case	category	fleet	catch.type	data.type	fit.type	nll.type
B0	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
B0	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
B0	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
B0	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
B0	surveys data	NMFS trawl s	index catch	biomass	BY_X_MATOI	lognormal
B0	surveys data	NMFS trawl s	index catch	biomass	BY_X_MATOI	lognormal
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
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B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial

B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
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B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
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B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
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B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
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B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
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B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
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B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal

B0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial

B0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial

B0	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

B0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

B0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

B0	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0	fisheries data	RKF	total catch	abundance	BY_X	none
B0	fisheries data	RKF	total catch	abundance	BY_X	none
B0	fisheries data	RKF	total catch	biomass	BY_X	norm2
B0	fisheries data	RKF	total catch	biomass	BY_X	norm2
B0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

B0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0	growth data			EBS		gamma
B0	growth data			EBS		gamma
B0	growth data			EBS		gamma
B0	growth data			EBS		gamma
B0	growth data			Kodiak		gamma
B0	growth data			Kodiak		gamma
B0	growth data			Kodiak		gamma
B0	growth data			Kodiak		gamma
B0	growth data			Kodiak		gamma
B0	growth data			Kodiak		gamma
B0	growth data			Kodiak		gamma
B0	growth data			Kodiak		gamma
B0	growth data			Kodiak		gamma
B0	growth data			Kodiak		gamma
B0	growth data			Kodiak		gamma
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B0	growth data			Kodiak		gamma
B0	growth data			Kodiak		gamma
B0	growth data			Kodiak		gamma
B0	growth data			Kodiak		gamma

B0	growth data			Kodiak	gamma
B0	growth data			Kodiak	gamma
B0	growth data			Kodiak	gamma
B0	growth data			Kodiak	gamma
B0	maturity data			MATURITY_OGIVES	binomial
B0	maturity data			MATURITY_OGIVES	binomial
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B0	maturity data			MATURITY_OGIVES	binomial
B0	maturity data			MATURITY_OGIVES	binomial
B0	maturity data			MATURITY_OGIVES	binomial
B0	maturity data			MATURITY_OGIVES	binomial
B0	maturity data			MATURITY_OGIVES	binomial
B0	maturity data			MATURITY_OGIVES	binomial
B0	maturity data			MATURITY_OGIVES	binomial
B0	maturity data			MATURITY_OGIVES	binomial
B0	maturity data			MATURITY_OGIVES	binomial
B0	maturity data			MATURITY_OGIVES	binomial
B0	maturity data			MATURITY_OGIVES	binomial
B0	maturity data			MATURITY_OGIVES	binomial
B0	maturity data			MATURITY_OGIVES	binomial
B0	maturity data			MATURITY_OGIVES	binomial
B0	maturity data			MATURITY_OGIVES	binomial
B0	maturity data			MATURITY_OGIVES	binomial
B0	maturity data			MATURITY_OGIVES	binomial
B0	effort data	SCF	fishery	1	lognormal
B0	effort data	SCF	fishery	1	lognormal
B0	effort data	SCF	fishery	1	lognormal
B0	effort data	SCF	fishery	1	lognormal
B0	effort data	SCF	fishery	2	lognormal
B0	effort data	SCF	fishery	2	lognormal
B0	effort data	SCF	fishery	2	lognormal
B0	effort data	SCF	fishery	2	lognormal
B0	effort data	RKF	fishery	3	lognormal
B0	effort data	RKF	fishery	3	lognormal
B0	effort data	RKF	fishery	3	lognormal
B0	effort data	RKF	fishery	3	lognormal
B0	effort data	RKF	fishery	4	lognormal
B0	effort data	RKF	fishery	4	lognormal
B0	effort data	RKF	fishery	4	lognormal
B0	effort data	RKF	fishery	4	lognormal

B0q	surveys data	NMFS trawl s index catch	abundance	BY_XM	lognormal
B0q	surveys data	NMFS trawl s index catch	abundance	BY_XM	lognormal
B0q	surveys data	NMFS trawl s index catch	abundance	BY_XM	lognormal
B0q	surveys data	NMFS trawl s index catch	abundance	BY_XM	lognormal
B0q	surveys data	NMFS trawl s index catch	biomass	BY_X_MATOI	lognormal
B0q	surveys data	NMFS trawl s index catch	biomass	BY_X_MATOI	lognormal
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0q	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0q	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0q	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0q	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0q	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0q	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0q	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0q	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0q	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0q	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0q	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0q	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0q	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0q	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0q	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0q	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0q	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0q	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0q	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0q	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0q	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0q	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0q	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal

B0q	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0q	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0q	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0q	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0q	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0q	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0q	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0q	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0q	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0q	fisheries data	TCF	retained catc	abundance	BY_X	none
B0q	fisheries data	TCF	retained catc	abundance	BY_X	none
B0q	fisheries data	TCF	retained catc	biomass	BY_X	norm2
B0q	fisheries data	TCF	retained catc	biomass	BY_X	norm2
B0q	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

B0q	fisheries data TCF	total catch	n.at.z	BY_X	multinomial

B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0q	fisheries data	GTF	total catch	abundance	BY_TOTAL	none
B0q	fisheries data	GTF	total catch	biomass	BY_TOTAL	norm2
B0q	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0q	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0q	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0q	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

B0q	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

B0q	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

B0q	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0q	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0q	fisheries data	RKF	total catch	abundance	BY_X	none
B0q	fisheries data	RKF	total catch	abundance	BY_X	none
B0q	fisheries data	RKF	total catch	biomass	BY_X	norm2
B0q	fisheries data	RKF	total catch	biomass	BY_X	norm2
B0q	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

B0q	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

B0q	growth data			Kodiak		gamma
B0q	growth data			Kodiak		gamma
B0q	growth data			Kodiak		gamma
B0q	maturity data			MATURITY_OGIVES		binomial
B0q	maturity data			MATURITY_OGIVES		binomial
B0q	maturity data			MATURITY_OGIVES		binomial
B0q	maturity data			MATURITY_OGIVES		binomial
B0q	maturity data			MATURITY_OGIVES		binomial
B0q	maturity data			MATURITY_OGIVES		binomial
B0q	maturity data			MATURITY_OGIVES		binomial
B0q	maturity data			MATURITY_OGIVES		binomial
B0q	maturity data			MATURITY_OGIVES		binomial
B0q	maturity data			MATURITY_OGIVES		binomial
B0q	maturity data			MATURITY_OGIVES		binomial
B0q	maturity data			MATURITY_OGIVES		binomial
B0q	maturity data			MATURITY_OGIVES		binomial
B0q	maturity data			MATURITY_OGIVES		binomial
B0q	maturity data			MATURITY_OGIVES		binomial
B0q	maturity data			MATURITY_OGIVES		binomial
B0q	maturity data			MATURITY_OGIVES		binomial
B0q	maturity data			MATURITY_OGIVES		binomial
B0q	maturity data			MATURITY_OGIVES		binomial
B0q	maturity data			MATURITY_OGIVES		binomial
B0q	effort data	SCF	fishery	1		lognormal
B0q	effort data	SCF	fishery	1		lognormal
B0q	effort data	SCF	fishery	1		lognormal
B0q	effort data	SCF	fishery	1		lognormal
B0q	effort data	SCF	fishery	2		lognormal
B0q	effort data	SCF	fishery	2		lognormal
B0q	effort data	SCF	fishery	2		lognormal
B0q	effort data	SCF	fishery	2		lognormal
B0q	effort data	RKF	fishery	3		lognormal
B0q	effort data	RKF	fishery	3		lognormal
B0q	effort data	RKF	fishery	3		lognormal
B0q	effort data	RKF	fishery	3		lognormal
B0q	effort data	RKF	fishery	4		lognormal
B0q	effort data	RKF	fishery	4		lognormal
B0q	effort data	RKF	fishery	4		lognormal
B0q	effort data	RKF	fishery	4		lognormal
B0-Fr	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal

B0-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XM	lognormal
B0-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XM	lognormal
B0-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XM	lognormal
B0-Fr	surveys data	NMFS trawl s index catch	biomass	BY_X_MATOI	lognormal
B0-Fr	surveys data	NMFS trawl s index catch	biomass	BY_X_MATOI	lognormal
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0-Fr	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0-Fr	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0-Fr	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0-Fr	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0-Fr	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0-Fr	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0-Fr	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal

B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0-Fr	fisheries data	TCF	retained catc	abundance	BY_X	none
B0-Fr	fisheries data	TCF	retained catc	abundance	BY_X	none
B0-Fr	fisheries data	TCF	retained catc	biomass	BY_X	norm2
B0-Fr	fisheries data	TCF	retained catc	biomass	BY_X	norm2
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	total catch	biomass	BY_X	norm2
B0-Fr	fisheries data	TCF	total catch	biomass	BY_X	norm2
B0-Fr	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial

B0-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial

B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	GTF	total catch	abundance	BY_TOTAL	none
B0-Fr	fisheries data	GTF	total catch	biomass	BY_TOTAL	norm2
B0-Fr	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0-Fr	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0-Fr	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0-Fr	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0-Fr	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

B0-Fr	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

B0-Fr	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

B0-Fr	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0-Fr	fisheries data	RKF	total catch	abundance	BY_X	none
B0-Fr	fisheries data	RKF	total catch	abundance	BY_X	none
B0-Fr	fisheries data	RKF	total catch	biomass	BY_X	norm2
B0-Fr	fisheries data	RKF	total catch	biomass	BY_X	norm2
B0-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

B0-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0-Fr	growth data			EBS		gamma
B0-Fr	growth data			EBS		gamma
B0-Fr	growth data			EBS		gamma
B0-Fr	growth data			EBS		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma

B0-Fr	growth data			Kodiak		gamma
B0-Fr	growth data			Kodiak		gamma
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	maturity data			MATURITY_OGIVES		binomial
B0-Fr	effort data	SCF	fishery	1		lognormal
B0-Fr	effort data	SCF	fishery	1		lognormal
B0-Fr	effort data	SCF	fishery	1		lognormal
B0-Fr	effort data	SCF	fishery	1		lognormal
B0-Fr	effort data	SCF	fishery	2		lognormal
B0-Fr	effort data	SCF	fishery	2		lognormal
B0-Fr	effort data	SCF	fishery	2		lognormal
B0-Fr	effort data	SCF	fishery	2		lognormal
B0-Fr	effort data	RKF	fishery	3		lognormal
B0-Fr	effort data	RKF	fishery	3		lognormal
B0-Fr	effort data	RKF	fishery	3		lognormal
B0-Fr	effort data	RKF	fishery	3		lognormal
B0-Fr	effort data	RKF	fishery	4		lognormal
B0-Fr	effort data	RKF	fishery	4		lognormal
B0-Fr	effort data	RKF	fishery	4		lognormal
B0-Fr	effort data	RKF	fishery	4		lognormal
B0-McI	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
B0-McI	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal

B0-McI	surveys data	NMFS trawl s index catch	abundance	BY_XM	lognormal
B0-McI	surveys data	NMFS trawl s index catch	abundance	BY_XM	lognormal
B0-McI	surveys data	NMFS trawl s index catch	biomass	BY_X_MATOI	lognormal
B0-McI	surveys data	NMFS trawl s index catch	biomass	BY_X_MATOI	lognormal
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0-McI	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0-McI	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0-McI	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0-McI	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0-McI	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0-McI	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0-McI	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0-McI	fisheries data	TCF	retained catc	abundance	BY_X	none
B0-McI	fisheries data	TCF	retained catc	abundance	BY_X	none
B0-McI	fisheries data	TCF	retained catc	biomass	BY_X	norm2
B0-McI	fisheries data	TCF	retained catc	biomass	BY_X	norm2
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	total catch	biomass	BY_X	norm2
B0-McI	fisheries data	TCF	total catch	biomass	BY_X	norm2
B0-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial

B0-McI	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data SCF	total catch	abundance	BY_X	none
B0-McI	fisheries data SCF	total catch	abundance	BY_X	none
B0-McI	fisheries data SCF	total catch	biomass	BY_X	norm2
B0-McI	fisheries data SCF	total catch	biomass	BY_X	norm2
B0-McI	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0-McI	fisheries data	GTF	total catch	abundance	BY_TOTAL	none
B0-McI	fisheries data	GTF	total catch	biomass	BY_TOTAL	norm2
B0-McI	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0-McI	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0-McI	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0-McI	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0-McI	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0-McI	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

B0-McI	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

B0-McI	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

B0-McI	fisheries data	RKF	total catch	abundance	BY_X	none
B0-McI	fisheries data	RKF	total catch	abundance	BY_X	none
B0-McI	fisheries data	RKF	total catch	biomass	BY_X	norm2
B0-McI	fisheries data	RKF	total catch	biomass	BY_X	norm2
B0-McI	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

B0-McI	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

B0-McI	growth data			Kodiak		gamma
B0-McI	maturity data			MATURITY_OGIVES		binomial
B0-McI	maturity data			MATURITY_OGIVES		binomial
B0-McI	maturity data			MATURITY_OGIVES		binomial
B0-McI	maturity data			MATURITY_OGIVES		binomial
B0-McI	maturity data			MATURITY_OGIVES		binomial
B0-McI	maturity data			MATURITY_OGIVES		binomial
B0-McI	maturity data			MATURITY_OGIVES		binomial
B0-McI	maturity data			MATURITY_OGIVES		binomial
B0-McI	maturity data			MATURITY_OGIVES		binomial
B0-McI	maturity data			MATURITY_OGIVES		binomial
B0-McI	maturity data			MATURITY_OGIVES		binomial
B0-McI	maturity data			MATURITY_OGIVES		binomial
B0-McI	maturity data			MATURITY_OGIVES		binomial
B0-McI	maturity data			MATURITY_OGIVES		binomial
B0-McI	maturity data			MATURITY_OGIVES		binomial
B0-McI	maturity data			MATURITY_OGIVES		binomial
B0-McI	maturity data			MATURITY_OGIVES		binomial
B0-McI	maturity data			MATURITY_OGIVES		binomial
B0-McI	maturity data			MATURITY_OGIVES		binomial
B0-McI	maturity data			MATURITY_OGIVES		binomial
B0-McI	effort data	SCF	fishery	1		lognormal
B0-McI	effort data	SCF	fishery	1		lognormal
B0-McI	effort data	SCF	fishery	1		lognormal
B0-McI	effort data	SCF	fishery	1		lognormal
B0-McI	effort data	SCF	fishery	2		lognormal
B0-McI	effort data	SCF	fishery	2		lognormal
B0-McI	effort data	SCF	fishery	2		lognormal
B0-McI	effort data	SCF	fishery	2		lognormal
B0-McI	effort data	RKF	fishery	3		lognormal
B0-McI	effort data	RKF	fishery	3		lognormal
B0-McI	effort data	RKF	fishery	3		lognormal
B0-McI	effort data	RKF	fishery	3		lognormal
B0-McI	effort data	RKF	fishery	4		lognormal
B0-McI	effort data	RKF	fishery	4		lognormal
B0-McI	effort data	RKF	fishery	4		lognormal
B0-McI	effort data	RKF	fishery	4		lognormal
B0a	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
B0a	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
B0a	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal

B0a	surveys data	NMFS trawl s index catch	abundance	BY_XM	lognormal
B0a	surveys data	NMFS trawl s index catch	biomass	BY_X_MATOI	lognormal
B0a	surveys data	NMFS trawl s index catch	biomass	BY_X_MATOI	lognormal
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0a	fisheries data	TCF	retained catc	abundance	BY_X	none
B0a	fisheries data	TCF	retained catc	abundance	BY_X	none
B0a	fisheries data	TCF	retained catc	biomass	BY_X	norm2
B0a	fisheries data	TCF	retained catc	biomass	BY_X	norm2
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	total catch	biomass	BY_X	norm2
B0a	fisheries data	TCF	total catch	biomass	BY_X	norm2
B0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial

B0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial

B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	GTF	total catch	abundance	BY_TOTAL	none
B0a	fisheries data	GTF	total catch	biomass	BY_TOTAL	norm2
B0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

B0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

B0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

B0a	fisheries data	RKF	total catch	abundance	BY_X	none
B0a	fisheries data	RKF	total catch	biomass	BY_X	norm2
B0a	fisheries data	RKF	total catch	biomass	BY_X	norm2
B0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

B0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0a	growth data			EBS		gamma
B0a	growth data			EBS		gamma
B0a	growth data			EBS		gamma
B0a	growth data			EBS		gamma
B0a	growth data			Kodiak		gamma
B0a	growth data			Kodiak		gamma
B0a	growth data			Kodiak

B0a	maturity data			MATURITY_OGIVES		binomial
B0a	maturity data			MATURITY_OGIVES		binomial
B0a	maturity data			MATURITY_OGIVES		binomial
B0a	maturity data			MATURITY_OGIVES		binomial
B0a	maturity data			MATURITY_OGIVES		binomial
B0a	maturity data			MATURITY_OGIVES		binomial
B0a	maturity data			MATURITY_OGIVES		binomial
B0a	maturity data			MATURITY_OGIVES		binomial
B0a	maturity data			MATURITY_OGIVES		binomial
B0a	maturity data			MATURITY_OGIVES		binomial
B0a	maturity data			MATURITY_OGIVES		binomial
B0a	maturity data			MATURITY_OGIVES		binomial
B0a	maturity data			MATURITY_OGIVES		binomial
B0a	maturity data			MATURITY_OGIVES		binomial
B0a	maturity data			MATURITY_OGIVES		binomial
B0a	maturity data			MATURITY_OGIVES		binomial
B0a	maturity data			MATURITY_OGIVES		binomial
B0a	maturity data			MATURITY_OGIVES		binomial
B0a	maturity data			MATURITY_OGIVES		binomial
B0a	maturity data			MATURITY_OGIVES		binomial
B0a	maturity data			MATURITY_OGIVES		binomial
B0a	effort data	SCF	fishery	1		lognormal
B0a	effort data	SCF	fishery	1		lognormal
B0a	effort data	SCF	fishery	1		lognormal
B0a	effort data	SCF	fishery	1		lognormal
B0a	effort data	SCF	fishery	2		lognormal
B0a	effort data	SCF	fishery	2		lognormal
B0a	effort data	SCF	fishery	2		lognormal
B0a	effort data	SCF	fishery	2		lognormal
B0a	effort data	RKF	fishery	3		lognormal
B0a	effort data	RKF	fishery	3		lognormal
B0a	effort data	RKF	fishery	3		lognormal
B0a	effort data	RKF	fishery	3		lognormal
B0a	effort data	RKF	fishery	4		lognormal
B0a	effort data	RKF	fishery	4		lognormal
B0a	effort data	RKF	fishery	4		lognormal
B0a	effort data	RKF	fishery	4		lognormal
B0b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
B0b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
B0b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
B0b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal

B0b	surveys data	NMFS trawl s index catch	biomass	BY_X_MATOI	lognormal
B0b	surveys data	NMFS trawl s index catch	biomass	BY_X_MATOI	lognormal
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0b	fisheries data	TCF	retained catc	abundance	BY_X	none
B0b	fisheries data	TCF	retained catc	abundance	BY_X	none
B0b	fisheries data	TCF	retained catc	biomass	BY_X	norm2
B0b	fisheries data	TCF	retained catc	biomass	BY_X	norm2
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	total catch	biomass	BY_X	norm2
B0b	fisheries data	TCF	total catch	biomass	BY_X	norm2
B0b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial

B0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial

B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	GTF	total catch	abundance	BY_TOTAL	none
B0b	fisheries data	GTF	total catch	biomass	BY_TOTAL	norm2
B0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

B0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

B0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

B0b	fisheries data	RKF	total catch	biomass	BY_X	norm2
B0b	fisheries data	RKF	total catch	biomass	BY_X	norm2
B0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

B0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0b	growth data			EBS		gamma
B0b	growth data			EBS		gamma
B0b	growth data			EBS		gamma
B0b	growth data			EBS		gamma
B0b	growth data			Kodiak		gamma
B0b	growth data			Kodiak		gamma
B0b	growth data			Kodiak

B0b	maturity data			MATURITY_OGIVES		binomial
B0b	maturity data			MATURITY_OGIVES		binomial
B0b	maturity data			MATURITY_OGIVES		binomial
B0b	maturity data			MATURITY_OGIVES		binomial
B0b	maturity data			MATURITY_OGIVES		binomial
B0b	maturity data			MATURITY_OGIVES		binomial
B0b	maturity data			MATURITY_OGIVES		binomial
B0b	maturity data			MATURITY_OGIVES		binomial
B0b	maturity data			MATURITY_OGIVES		binomial
B0b	maturity data			MATURITY_OGIVES		binomial
B0b	maturity data			MATURITY_OGIVES		binomial
B0b	maturity data			MATURITY_OGIVES		binomial
B0b	maturity data			MATURITY_OGIVES		binomial
B0b	maturity data			MATURITY_OGIVES		binomial
B0b	maturity data			MATURITY_OGIVES		binomial
B0b	maturity data			MATURITY_OGIVES		binomial
B0b	maturity data			MATURITY_OGIVES		binomial
B0b	maturity data			MATURITY_OGIVES		binomial
B0b	maturity data			MATURITY_OGIVES		binomial
B0b	effort data	SCF	fishery	1		lognormal
B0b	effort data	SCF	fishery	1		lognormal
B0b	effort data	SCF	fishery	1		lognormal
B0b	effort data	SCF	fishery	1		lognormal
B0b	effort data	SCF	fishery	2		lognormal
B0b	effort data	SCF	fishery	2		lognormal
B0b	effort data	SCF	fishery	2		lognormal
B0b	effort data	SCF	fishery	2		lognormal
B0b	effort data	RKF	fishery	3		lognormal
B0b	effort data	RKF	fishery	3		lognormal
B0b	effort data	RKF	fishery	3		lognormal
B0b	effort data	RKF	fishery	3		lognormal
B0b	effort data	RKF	fishery	4		lognormal
B0b	effort data	RKF	fishery	4		lognormal
B0b	effort data	RKF	fishery	4		lognormal
B0b	effort data	RKF	fishery	4		lognormal
B0c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
B0c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
B0c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
B0c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
B0c	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal

B0c	surveys data	NMFS trawl s index catch	biomass	BY_X_MATOI	lognormal
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B0c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B0c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B0c	fisheries data	TCF	retained catc	abundance	BY_X	none
B0c	fisheries data	TCF	retained catc	abundance	BY_X	none
B0c	fisheries data	TCF	retained catc	biomass	BY_X	norm2
B0c	fisheries data	TCF	retained catc	biomass	BY_X	norm2
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	total catch	biomass	BY_X	norm2
B0c	fisheries data	TCF	total catch	biomass	BY_X	norm2
B0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial

B0c	fisheries data TCF	total catch	n.at.z	BY_X	multinomial

B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data GTF	total catch	abundance	BY_TOTAL	none
B0c	fisheries data GTF	total catch	biomass	BY_TOTAL	norm2
B0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
B0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
B0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
B0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
B0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
B0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
B0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
B0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
B0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

B0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

B0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

B0c	fisheries data	RKF	total catch	biomass	BY_X	norm2
B0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

B0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B0c	growth data			EBS		gamma
B0c	growth data			EBS		gamma
B0c	growth data			EBS		gamma
B0c	growth data			EBS		gamma
B0c	growth data			Kodiak		gamma
B0c	growth data			Kodiak		gamma
B0c	growth data			Kodiak

B0c	maturity data			MATURITY_OGIVES		binomial
B0c	maturity data			MATURITY_OGIVES		binomial
B0c	maturity data			MATURITY_OGIVES		binomial
B0c	maturity data			MATURITY_OGIVES		binomial
B0c	maturity data			MATURITY_OGIVES		binomial
B0c	maturity data			MATURITY_OGIVES		binomial
B0c	maturity data			MATURITY_OGIVES		binomial
B0c	maturity data			MATURITY_OGIVES		binomial
B0c	maturity data			MATURITY_OGIVES		binomial
B0c	maturity data			MATURITY_OGIVES		binomial
B0c	maturity data			MATURITY_OGIVES		binomial
B0c	maturity data			MATURITY_OGIVES		binomial
B0c	maturity data			MATURITY_OGIVES		binomial
B0c	maturity data			MATURITY_OGIVES		binomial
B0c	maturity data			MATURITY_OGIVES		binomial
B0c	maturity data			MATURITY_OGIVES		binomial
B0c	maturity data			MATURITY_OGIVES		binomial
B0c	maturity data			MATURITY_OGIVES		binomial
B0c	maturity data			MATURITY_OGIVES		binomial
B0c	effort data	SCF	fishery	1		lognormal
B0c	effort data	SCF	fishery	1		lognormal
B0c	effort data	SCF	fishery	1		lognormal
B0c	effort data	SCF	fishery	1		lognormal
B0c	effort data	SCF	fishery	2		lognormal
B0c	effort data	SCF	fishery	2		lognormal
B0c	effort data	SCF	fishery	2		lognormal
B0c	effort data	SCF	fishery	2		lognormal
B0c	effort data	RKF	fishery	3		lognormal
B0c	effort data	RKF	fishery	3		lognormal
B0c	effort data	RKF	fishery	3		lognormal
B0c	effort data	RKF	fishery	3		lognormal
B0c	effort data	RKF	fishery	4		lognormal
B0c	effort data	RKF	fishery	4		lognormal
B0c	effort data	RKF	fishery	4		lognormal
B0c	effort data	RKF	fishery	4		lognormal
B1	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
B1	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
B1	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
B1	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
B1	surveys data	NMFS trawl s	index catch	biomass	BY_X_MATOI	lognormal
B1	surveys data	NMFS trawl s	index catch	biomass	BY_X_MATOI	lognormal

B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B1	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B1	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B1	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B1	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B1	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B1	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B1	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
B1	fisheries data	TCF	retained catc	abundance	BY_X	none
B1	fisheries data	TCF	retained catc	abundance	BY_X	none
B1	fisheries data	TCF	retained catc	biomass	BY_X	norm2
B1	fisheries data	TCF	retained catc	biomass	BY_X	norm2
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	total catch	biomass	BY_X	norm2
B1	fisheries data	TCF	total catch	biomass	BY_X	norm2
B1	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial

B1	fisheries data TCF	total catch	n.at.z	BY_X	multinomial

B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	GTF	total catch	abundance	BY_TOTAL	none
B1	fisheries data	GTF	total catch	biomass	BY_TOTAL	norm2
B1	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

B1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

B1	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

B1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

B1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B1	growth data			EBS		gamma
B1	growth data			EBS		gamma
B1	growth data			EBS		gamma
B1	growth data			EBS		gamma
B1	growth data			Kodiak		gamma
B1	growth data			Kodiak		gamma
B1	growth data			Kodiak

B1	maturity data			MATURITY_OGIVES		binomial
B1	maturity data			MATURITY_OGIVES		binomial
B1	maturity data			MATURITY_OGIVES		binomial
B1	maturity data			MATURITY_OGIVES		binomial
B1	maturity data			MATURITY_OGIVES		binomial
B1	maturity data			MATURITY_OGIVES		binomial
B1	maturity data			MATURITY_OGIVES		binomial
B1	maturity data			MATURITY_OGIVES		binomial
B1	maturity data			MATURITY_OGIVES		binomial
B1	maturity data			MATURITY_OGIVES		binomial
B1	maturity data			MATURITY_OGIVES		binomial
B1	maturity data			MATURITY_OGIVES		binomial
B1	maturity data			MATURITY_OGIVES		binomial
B1	maturity data			MATURITY_OGIVES		binomial
B1	maturity data			MATURITY_OGIVES		binomial
B1	maturity data			MATURITY_OGIVES		binomial
B1	maturity data			MATURITY_OGIVES		binomial
B1	effort data	SCF	fishery	1		lognormal
B1	effort data	SCF	fishery	1		lognormal
B1	effort data	SCF	fishery	1		lognormal
B1	effort data	SCF	fishery	1		lognormal
B1	effort data	SCF	fishery	2		lognormal
B1	effort data	SCF	fishery	2		lognormal
B1	effort data	SCF	fishery	2		lognormal
B1	effort data	SCF	fishery	2		lognormal
B1	effort data	RKF	fishery	3		lognormal
B1	effort data	RKF	fishery	3		lognormal
B1	effort data	RKF	fishery	3		lognormal
B1	effort data	RKF	fishery	3		lognormal
B1	effort data	RKF	fishery	4		lognormal
B1	effort data	RKF	fishery	4		lognormal
B1	effort data	RKF	fishery	4		lognormal
B1	effort data	RKF	fishery	4		lognormal
B1b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
B1b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
B1b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
B1b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
B1b	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
B1b	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
B1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B1b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B1b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B1b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B1b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B1b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B1b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B1b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B1b	fisheries data	TCF	retained catc	abundance	BY_X	none
B1b	fisheries data	TCF	retained catc	abundance	BY_X	none
B1b	fisheries data	TCF	retained catc	biomass	BY_X	norm2
B1b	fisheries data	TCF	retained catc	biomass	BY_X	norm2
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	total catch	biomass	BY_X	norm2
B1b	fisheries data	TCF	total catch	biomass	BY_X	norm2
B1b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial

B1b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial

B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	GTF	total catch	abundance	BY_TOTAL	none
B1b	fisheries data	GTF	total catch	biomass	BY_TOTAL	norm2
B1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

B1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

B1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

B1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

B1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B1b	growth data			EBS		gamma
B1b	growth data			EBS		gamma
B1b	growth data			EBS		gamma
B1b	growth data			EBS		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	growth data			Kodiak		gamma
B1b	maturity data			MATURITY_OGIVES		binomial
B1b	maturity data			MATURITY_OGIVES		binomial
B1b	maturity data			MATURITY_OGIVES		binomial
B1b	maturity data			MATURITY_OGIVES		binomial

B1b	maturity data			MATURITY_OGIVES		binomial
B1b	maturity data			MATURITY_OGIVES		binomial
B1b	maturity data			MATURITY_OGIVES		binomial
B1b	maturity data			MATURITY_OGIVES		binomial
B1b	maturity data			MATURITY_OGIVES		binomial
B1b	maturity data			MATURITY_OGIVES		binomial
B1b	maturity data			MATURITY_OGIVES		binomial
B1b	maturity data			MATURITY_OGIVES		binomial
B1b	maturity data			MATURITY_OGIVES		binomial
B1b	maturity data			MATURITY_OGIVES		binomial
B1b	maturity data			MATURITY_OGIVES		binomial
B1b	maturity data			MATURITY_OGIVES		binomial
B1b	maturity data			MATURITY_OGIVES		binomial
B1b	maturity data			MATURITY_OGIVES		binomial
B1b	maturity data			MATURITY_OGIVES		binomial
B1b	maturity data			MATURITY_OGIVES		binomial
B1b	effort data	SCF	fishery	1		lognormal
B1b	effort data	SCF	fishery	1		lognormal
B1b	effort data	SCF	fishery	1		lognormal
B1b	effort data	SCF	fishery	1		lognormal
B1b	effort data	SCF	fishery	2		lognormal
B1b	effort data	SCF	fishery	2		lognormal
B1b	effort data	SCF	fishery	2		lognormal
B1b	effort data	SCF	fishery	2		lognormal
B1b	effort data	RKF	fishery	3		lognormal
B1b	effort data	RKF	fishery	3		lognormal
B1b	effort data	RKF	fishery	3		lognormal
B1b	effort data	RKF	fishery	3		lognormal
B1b	effort data	RKF	fishery	4		lognormal
B1b	effort data	RKF	fishery	4		lognormal
B1b	effort data	RKF	fishery	4		lognormal
B1b	effort data	RKF	fishery	4		lognormal
B1c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
B1c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
B1c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
B1c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
B1c	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
B1c	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
B1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
B1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
B1c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B1c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B1c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B1c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
B1c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B1c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B1c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B1c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
B1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
B1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

B1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial

B1c	fisheries data	TCF	retained catc	abundance	BY_X	none
B1c	fisheries data	TCF	retained catc	biomass	BY_X	norm2
B1c	fisheries data	TCF	retained catc	biomass	BY_X	norm2
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	total catch	biomass	BY_X	norm2
B1c	fisheries data	TCF	total catch	biomass	BY_X	norm2
B1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial

B1c	fisheries data TCF	total catch	n.at.z	BY_X	multinomial

B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	GTF	total catch	abundance	BY_TOTAL	none
B1c	fisheries data	GTF	total catch	biomass	BY_TOTAL	norm2
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

B1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
B1c	fisheries data	RKF	total catch	abundance	BY_X	none
B1c	fisheries data	RKF	total catch	abundance	BY_X	none
B1c	fisheries data	RKF	total catch	biomass	BY_X	norm2
B1c	fisheries data	RKF	total catch	biomass	BY_X	norm2
B1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

B1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

B1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
B1c	growth data			EBS		gamma
B1c	growth data			EBS		gamma
B1c	growth data			EBS		gamma
B1c	growth data			EBS		gamma
B1c	growth data			Kodiak		gamma
B1c	growth data			Kodiak		gamma
B1c	growth data			Kodiak

B1c	maturity data			MATURITY_OGIVES		binomial
B1c	maturity data			MATURITY_OGIVES		binomial
B1c	maturity data			MATURITY_OGIVES		binomial
B1c	maturity data			MATURITY_OGIVES		binomial
B1c	maturity data			MATURITY_OGIVES		binomial
B1c	maturity data			MATURITY_OGIVES		binomial
B1c	maturity data			MATURITY_OGIVES		binomial
B1c	maturity data			MATURITY_OGIVES		binomial
B1c	maturity data			MATURITY_OGIVES		binomial
B1c	maturity data			MATURITY_OGIVES		binomial
B1c	maturity data			MATURITY_OGIVES		binomial
B1c	maturity data			MATURITY_OGIVES		binomial
B1c	maturity data			MATURITY_OGIVES		binomial
B1c	maturity data			MATURITY_OGIVES		binomial
B1c	maturity data			MATURITY_OGIVES		binomial
B1c	effort data	SCF	fishery	1		lognormal
B1c	effort data	SCF	fishery	1		lognormal
B1c	effort data	SCF	fishery	1		lognormal
B1c	effort data	SCF	fishery	1		lognormal
B1c	effort data	SCF	fishery	2		lognormal
B1c	effort data	SCF	fishery	2		lognormal
B1c	effort data	SCF	fishery	2		lognormal
B1c	effort data	SCF	fishery	2		lognormal
B1c	effort data	RKF	fishery	3		lognormal
B1c	effort data	RKF	fishery	3		lognormal
B1c	effort data	RKF	fishery	3		lognormal
B1c	effort data	RKF	fishery	3		lognormal
B1c	effort data	RKF	fishery	4		lognormal
B1c	effort data	RKF	fishery	4		lognormal
B1c	effort data	RKF	fishery	4		lognormal
B1c	effort data	RKF	fishery	4		lognormal
C0	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C0	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C0	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C0	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C0	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
C0	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
C0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
C0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial

C0	fisheries data	TCF	retained catc	biomass	BY_X	norm2
C0	fisheries data	TCF	retained catc	biomass	BY_X	norm2
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	total catch	biomass	BY_X	norm2
C0	fisheries data	TCF	total catch	biomass	BY_X	norm2
C0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial

C0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial

C0	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C0	fisheries data RKF	total catch	abundance	BY_X	none
C0	fisheries data RKF	total catch	abundance	BY_X	none
C0	fisheries data RKF	total catch	biomass	BY_X	norm2
C0	fisheries data RKF	total catch	biomass	BY_X	norm2
C0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial

C0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

C0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
C0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
C0	growth data		EBS		gamma
C0	growth data		EBS		gamma
C0	growth data		EBS		gamma
C0	growth data		EBS		gamma
C0	growth data		Kodiak		gamma
C0	growth data		Kodiak		gamma
C0	growth data		Kodiak

C0	maturity data			MATURITY_OGIVES		binomial
C0	maturity data			MATURITY_OGIVES		binomial
C0	maturity data			MATURITY_OGIVES		binomial
C0	maturity data			MATURITY_OGIVES		binomial
C0	maturity data			MATURITY_OGIVES		binomial
C0	maturity data			MATURITY_OGIVES		binomial
C0	maturity data			MATURITY_OGIVES		binomial
C0	maturity data			MATURITY_OGIVES		binomial
C0	maturity data			MATURITY_OGIVES		binomial
C0	maturity data			MATURITY_OGIVES		binomial
C0	maturity data			MATURITY_OGIVES		binomial
C0	maturity data			MATURITY_OGIVES		binomial
C0	maturity data			MATURITY_OGIVES		binomial
C0	maturity data			MATURITY_OGIVES		binomial
C0	effort data	SCF	fishery	1		lognormal
C0	effort data	SCF	fishery	1		lognormal
C0	effort data	SCF	fishery	1		lognormal
C0	effort data	SCF	fishery	1		lognormal
C0	effort data	SCF	fishery	2		lognormal
C0	effort data	SCF	fishery	2		lognormal
C0	effort data	SCF	fishery	2		lognormal
C0	effort data	SCF	fishery	2		lognormal
C0	effort data	RKF	fishery	3		lognormal
C0	effort data	RKF	fishery	3		lognormal
C0	effort data	RKF	fishery	3		lognormal
C0	effort data	RKF	fishery	3		lognormal
C0	effort data	RKF	fishery	4		lognormal
C0	effort data	RKF	fishery	4		lognormal
C0	effort data	RKF	fishery	4		lognormal
C0	effort data	RKF	fishery	4		lognormal
C0a	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
C0a	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
C0a	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
C0a	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
C0a	surveys data	NMFS trawl s	index catch	biomass	BY_X_MATOI	lognormal
C0a	surveys data	NMFS trawl s	index catch	biomass	BY_X_MATOI	lognormal
C0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
C0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
C0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
C0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial

C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
C0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial

C0a	fisheries data	TCF	retained catc	biomass	BY_X	norm2
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	total catch	biomass	BY_X	norm2
C0a	fisheries data	TCF	total catch	biomass	BY_X	norm2
C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial

C0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial

C0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0a	fisheries data	RKF	total catch	abundance	BY_X	none
C0a	fisheries data	RKF	total catch	abundance	BY_X	none
C0a	fisheries data	RKF	total catch	biomass	BY_X	norm2
C0a	fisheries data	RKF	total catch	biomass	BY_X	norm2
C0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
C0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

C0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

C0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
C0a	growth data			EBS		gamma
C0a	growth data			EBS		gamma
C0a	growth data			EBS		gamma
C0a	growth data			EBS		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
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C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	growth data			Kodiak		gamma
C0a	maturity data			MATURITY_OGIVES		binomial
C0a	maturity data			MATURITY_OGIVES		binomial
C0a	maturity data			MATURITY_OGIVES		binomial
C0a	maturity data			MATURITY_OGIVES		binomial
C0a	maturity data			MATURITY_OGIVES		binomial
C0a	maturity data			MATURITY_OGIVES		binomial
C0a	maturity data			MATURITY_OGIVES		binomial

C0a	maturity data			MATURITY_OGIVES		binomial
C0a	maturity data			MATURITY_OGIVES		binomial
C0a	maturity data			MATURITY_OGIVES		binomial
C0a	maturity data			MATURITY_OGIVES		binomial
C0a	maturity data			MATURITY_OGIVES		binomial
C0a	maturity data			MATURITY_OGIVES		binomial
C0a	maturity data			MATURITY_OGIVES		binomial
C0a	maturity data			MATURITY_OGIVES		binomial
C0a	maturity data			MATURITY_OGIVES		binomial
C0a	maturity data			MATURITY_OGIVES		binomial
C0a	maturity data			MATURITY_OGIVES		binomial
C0a	maturity data			MATURITY_OGIVES		binomial
C0a	maturity data			MATURITY_OGIVES		binomial
C0a	effort data	SCF	fishery	1		lognormal
C0a	effort data	SCF	fishery	1		lognormal
C0a	effort data	SCF	fishery	1		lognormal
C0a	effort data	SCF	fishery	1		lognormal
C0a	effort data	SCF	fishery	2		lognormal
C0a	effort data	SCF	fishery	2		lognormal
C0a	effort data	SCF	fishery	2		lognormal
C0a	effort data	SCF	fishery	2		lognormal
C0a	effort data	RKF	fishery	3		lognormal
C0a	effort data	RKF	fishery	3		lognormal
C0a	effort data	RKF	fishery	3		lognormal
C0a	effort data	RKF	fishery	3		lognormal
C0a	effort data	RKF	fishery	4		lognormal
C0a	effort data	RKF	fishery	4		lognormal
C0a	effort data	RKF	fishery	4		lognormal
C0a	effort data	RKF	fishery	4		lognormal
C0b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C0b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C0b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C0b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C0b	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
C0b	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
C0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
C0b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C0b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C0b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C0b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C0b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C0b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C0b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C0b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial

C0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

C0b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial

C0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0b	fisheries data	RKF	total catch	abundance	BY_X	none
C0b	fisheries data	RKF	total catch	abundance	BY_X	none
C0b	fisheries data	RKF	total catch	biomass	BY_X	norm2
C0b	fisheries data	RKF	total catch	biomass	BY_X	norm2
C0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
C0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
C0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
C0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
C0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

C0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

C0b	growth data	EBS	gamma
C0b	growth data	EBS	gamma
C0b	growth data	EBS	gamma
C0b	growth data	EBS	gamma
C0b	growth data	Kodiak	gamma
C0b	growth data	Kodiak	gamma
C0b	growth data	Kodiak

C0b	maturity data			MATURITY_OGIVES		binomial
C0b	maturity data			MATURITY_OGIVES		binomial
C0b	maturity data			MATURITY_OGIVES		binomial
C0b	maturity data			MATURITY_OGIVES		binomial
C0b	maturity data			MATURITY_OGIVES		binomial
C0b	maturity data			MATURITY_OGIVES		binomial
C0b	maturity data			MATURITY_OGIVES		binomial
C0b	maturity data			MATURITY_OGIVES		binomial
C0b	maturity data			MATURITY_OGIVES		binomial
C0b	maturity data			MATURITY_OGIVES		binomial
C0b	maturity data			MATURITY_OGIVES		binomial
C0b	maturity data			MATURITY_OGIVES		binomial
C0b	maturity data			MATURITY_OGIVES		binomial
C0b	effort data	SCF	fishery	1		lognormal
C0b	effort data	SCF	fishery	1		lognormal
C0b	effort data	SCF	fishery	1		lognormal
C0b	effort data	SCF	fishery	1		lognormal
C0b	effort data	SCF	fishery	2		lognormal
C0b	effort data	SCF	fishery	2		lognormal
C0b	effort data	SCF	fishery	2		lognormal
C0b	effort data	SCF	fishery	2		lognormal
C0b	effort data	RKF	fishery	3		lognormal
C0b	effort data	RKF	fishery	3		lognormal
C0b	effort data	RKF	fishery	3		lognormal
C0b	effort data	RKF	fishery	3		lognormal
C0b	effort data	RKF	fishery	4		lognormal
C0b	effort data	RKF	fishery	4		lognormal
C0b	effort data	RKF	fishery	4		lognormal
C0b	effort data	RKF	fishery	4		lognormal
C0c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C0c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C0c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C0c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C0c	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
C0c	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
C0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
C0c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C0c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C0c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C0c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C0c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C0c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C0c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C0c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial

C0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

C0c	fisheries data TCF	total catch	n.at.z	BY_X	multinomial

C0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

C0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C0c	fisheries data	RKF	total catch	abundance	BY_X	none
C0c	fisheries data	RKF	total catch	abundance	BY_X	none
C0c	fisheries data	RKF	total catch	biomass	BY_X	norm2
C0c	fisheries data	RKF	total catch	biomass	BY_X	norm2
C0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
C0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
C0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
C0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
C0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
C0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

C0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

C0c	growth data	EBS	gamma
C0c	growth data	EBS	gamma
C0c	growth data	EBS	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
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C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	growth data	Kodiak	gamma
C0c	maturity data	MATURITY_OGIVES	binomial
C0c	maturity data	MATURITY_OGIVES	binomial
C0c	maturity data	MATURITY_OGIVES	binomial
C0c	maturity data	MATURITY_OGIVES	binomial
C0c	maturity data	MATURITY_OGIVES	binomial
C0c	maturity data	MATURITY_OGIVES	binomial
C0c	maturity data	MATURITY_OGIVES	binomial
C0c	maturity data	MATURITY_OGIVES	binomial
C0c	maturity data	MATURITY_OGIVES	binomial

C0c	maturity data			MATURITY_OGIVES		binomial
C0c	maturity data			MATURITY_OGIVES		binomial
C0c	maturity data			MATURITY_OGIVES		binomial
C0c	maturity data			MATURITY_OGIVES		binomial
C0c	maturity data			MATURITY_OGIVES		binomial
C0c	maturity data			MATURITY_OGIVES		binomial
C0c	maturity data			MATURITY_OGIVES		binomial
C0c	maturity data			MATURITY_OGIVES		binomial
C0c	maturity data			MATURITY_OGIVES		binomial
C0c	maturity data			MATURITY_OGIVES		binomial
C0c	maturity data			MATURITY_OGIVES		binomial
C0c	maturity data			MATURITY_OGIVES		binomial
C0c	effort data	SCF	fishery	1		lognormal
C0c	effort data	SCF	fishery	1		lognormal
C0c	effort data	SCF	fishery	1		lognormal
C0c	effort data	SCF	fishery	1		lognormal
C0c	effort data	SCF	fishery	2		lognormal
C0c	effort data	SCF	fishery	2		lognormal
C0c	effort data	SCF	fishery	2		lognormal
C0c	effort data	SCF	fishery	2		lognormal
C0c	effort data	RKF	fishery	3		lognormal
C0c	effort data	RKF	fishery	3		lognormal
C0c	effort data	RKF	fishery	3		lognormal
C0c	effort data	RKF	fishery	3		lognormal
C0c	effort data	RKF	fishery	4		lognormal
C0c	effort data	RKF	fishery	4		lognormal
C0c	effort data	RKF	fishery	4		lognormal
C0c	effort data	RKF	fishery	4		lognormal
C1	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C1	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C1	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C1	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C1	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
C1	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
C1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
C1	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C1	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C1	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C1	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C1	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C1	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C1	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C1	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial

C1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

C1	fisheries data TCF	total catch	n.at.z	BY_X	multinomial

C1	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1	fisheries data RKF	total catch	abundance	BY_X	none
C1	fisheries data RKF	total catch	abundance	BY_X	none
C1	fisheries data RKF	total catch	biomass	BY_X	norm2
C1	fisheries data RKF	total catch	biomass	BY_X	norm2
C1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
C1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
C1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
C1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
C1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
C1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
C1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial

C1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

C1	growth data	EBS	gamma
C1	growth data	EBS	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	growth data	Kodiak	gamma
C1	maturity data	MATURITY_OGIVES	binomial
C1	maturity data	MATURITY_OGIVES	binomial
C1	maturity data	MATURITY_OGIVES	binomial
C1	maturity data	MATURITY_OGIVES	binomial
C1	maturity data	MATURITY_OGIVES	binomial
C1	maturity data	MATURITY_OGIVES	binomial
C1	maturity data	MATURITY_OGIVES	binomial
C1	maturity data	MATURITY_OGIVES	binomial
C1	maturity data	MATURITY_OGIVES	binomial

C1	maturity data			MATURITY_OGIVES		binomial
C1	maturity data			MATURITY_OGIVES		binomial
C1	maturity data			MATURITY_OGIVES		binomial
C1	maturity data			MATURITY_OGIVES		binomial
C1	maturity data			MATURITY_OGIVES		binomial
C1	maturity data			MATURITY_OGIVES		binomial
C1	maturity data			MATURITY_OGIVES		binomial
C1	maturity data			MATURITY_OGIVES		binomial
C1	maturity data			MATURITY_OGIVES		binomial
C1	maturity data			MATURITY_OGIVES		binomial
C1	maturity data			MATURITY_OGIVES		binomial
C1	effort data	SCF	fishery	1		lognormal
C1	effort data	SCF	fishery	1		lognormal
C1	effort data	SCF	fishery	1		lognormal
C1	effort data	SCF	fishery	1		lognormal
C1	effort data	SCF	fishery	2		lognormal
C1	effort data	SCF	fishery	2		lognormal
C1	effort data	SCF	fishery	2		lognormal
C1	effort data	SCF	fishery	2		lognormal
C1	effort data	RKF	fishery	3		lognormal
C1	effort data	RKF	fishery	3		lognormal
C1	effort data	RKF	fishery	3		lognormal
C1	effort data	RKF	fishery	3		lognormal
C1	effort data	RKF	fishery	4		lognormal
C1	effort data	RKF	fishery	4		lognormal
C1	effort data	RKF	fishery	4		lognormal
C1	effort data	RKF	fishery	4		lognormal
C1b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C1b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C1b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C1b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C1b	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
C1b	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
C1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C1b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C1b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C1b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C1b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C1b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C1b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C1b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C1b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial

C1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

C1b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	abundance	BY_X	none
C1b	fisheries data SCF	total catch	abundance	BY_X	none
C1b	fisheries data SCF	total catch	biomass	BY_X	norm2
C1b	fisheries data SCF	total catch	biomass	BY_X	norm2
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data GTF	total catch	abundance	BY_TOTAL	none
C1b	fisheries data GTF	total catch	biomass	BY_TOTAL	norm2
C1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
C1b	fisheries data	RKF	total catch	abundance	BY_X	none
C1b	fisheries data	RKF	total catch	abundance	BY_X	none
C1b	fisheries data	RKF	total catch	biomass	BY_X	norm2
C1b	fisheries data	RKF	total catch	biomass	BY_X	norm2
C1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
C1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

C1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

C1b	growth data	EBS	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	growth data	Kodiak	gamma
C1b	maturity data	MATURITY_OGIVES	binomial
C1b	maturity data	MATURITY_OGIVES	binomial
C1b	maturity data	MATURITY_OGIVES	binomial
C1b	maturity data	MATURITY_OGIVES	binomial
C1b	maturity data	MATURITY_OGIVES	binomial
C1b	maturity data	MATURITY_OGIVES	binomial
C1b	maturity data	MATURITY_OGIVES	binomial
C1b	maturity data	MATURITY_OGIVES	binomial
C1b	maturity data	MATURITY_OGIVES	binomial
C1b	maturity data	MATURITY_OGIVES	binomial
C1b	maturity data	MATURITY_OGIVES	binomial

C1b	maturity data			MATURITY_OGIVES		binomial
C1b	maturity data			MATURITY_OGIVES		binomial
C1b	maturity data			MATURITY_OGIVES		binomial
C1b	maturity data			MATURITY_OGIVES		binomial
C1b	maturity data			MATURITY_OGIVES		binomial
C1b	maturity data			MATURITY_OGIVES		binomial
C1b	maturity data			MATURITY_OGIVES		binomial
C1b	maturity data			MATURITY_OGIVES		binomial
C1b	maturity data			MATURITY_OGIVES		binomial
C1b	maturity data			MATURITY_OGIVES		binomial
C1b	effort data	SCF	fishery	1		lognormal
C1b	effort data	SCF	fishery	1		lognormal
C1b	effort data	SCF	fishery	1		lognormal
C1b	effort data	SCF	fishery	1		lognormal
C1b	effort data	SCF	fishery	2		lognormal
C1b	effort data	SCF	fishery	2		lognormal
C1b	effort data	SCF	fishery	2		lognormal
C1b	effort data	SCF	fishery	2		lognormal
C1b	effort data	RKF	fishery	3		lognormal
C1b	effort data	RKF	fishery	3		lognormal
C1b	effort data	RKF	fishery	3		lognormal
C1b	effort data	RKF	fishery	3		lognormal
C1b	effort data	RKF	fishery	4		lognormal
C1b	effort data	RKF	fishery	4		lognormal
C1b	effort data	RKF	fishery	4		lognormal
C1b	effort data	RKF	fishery	4		lognormal
C1c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C1c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C1c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C1c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
C1c	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
C1c	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
C1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
C1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

C1c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C1c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C1c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
C1c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C1c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C1c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C1c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
C1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
C1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

C1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial

C1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

C1c	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
C1c	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
C1c	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
C1c	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
C1c	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
C1c	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
C1c	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
C1c	fisheries data SCF	total catch	abundance	BY_X	none
C1c	fisheries data SCF	total catch	abundance	BY_X	none
C1c	fisheries data SCF	total catch	biomass	BY_X	norm2
C1c	fisheries data SCF	total catch	biomass	BY_X	norm2
C1c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

C1c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
C1c	fisheries data RKF	total catch	abundance	BY_X	none
C1c	fisheries data RKF	total catch	abundance	BY_X	none
C1c	fisheries data RKF	total catch	biomass	BY_X	norm2
C1c	fisheries data RKF	total catch	biomass	BY_X	norm2
C1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
C1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
C1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
C1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
C1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
C1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
C1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
C1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
C1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial

C1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	growth data	Kodiak	gamma
C1c	maturity data	MATURITY_OGIVES	binomial
C1c	maturity data	MATURITY_OGIVES	binomial
C1c	maturity data	MATURITY_OGIVES	binomial
C1c	maturity data	MATURITY_OGIVES	binomial
C1c	maturity data	MATURITY_OGIVES	binomial
C1c	maturity data	MATURITY_OGIVES	binomial
C1c	maturity data	MATURITY_OGIVES	binomial
C1c	maturity data	MATURITY_OGIVES	binomial
C1c	maturity data	MATURITY_OGIVES	binomial
C1c	maturity data	MATURITY_OGIVES	binomial
C1c	maturity data	MATURITY_OGIVES	binomial
C1c	maturity data	MATURITY_OGIVES	binomial

C1c	maturity data			MATURITY_OGIVES		binomial
C1c	maturity data			MATURITY_OGIVES		binomial
C1c	maturity data			MATURITY_OGIVES		binomial
C1c	maturity data			MATURITY_OGIVES		binomial
C1c	maturity data			MATURITY_OGIVES		binomial
C1c	maturity data			MATURITY_OGIVES		binomial
C1c	maturity data			MATURITY_OGIVES		binomial
C1c	maturity data			MATURITY_OGIVES		binomial
C1c	maturity data			MATURITY_OGIVES		binomial
C1c	effort data	SCF	fishery	1		lognormal
C1c	effort data	SCF	fishery	1		lognormal
C1c	effort data	SCF	fishery	1		lognormal
C1c	effort data	SCF	fishery	1		lognormal
C1c	effort data	SCF	fishery	2		lognormal
C1c	effort data	SCF	fishery	2		lognormal
C1c	effort data	SCF	fishery	2		lognormal
C1c	effort data	SCF	fishery	2		lognormal
C1c	effort data	RKF	fishery	3		lognormal
C1c	effort data	RKF	fishery	3		lognormal
C1c	effort data	RKF	fishery	3		lognormal
C1c	effort data	RKF	fishery	3		lognormal
C1c	effort data	RKF	fishery	4		lognormal
C1c	effort data	RKF	fishery	4		lognormal
C1c	effort data	RKF	fishery	4		lognormal
C1c	effort data	RKF	fishery	4		lognormal
D0	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D0	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D0	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D0	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D0	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
D0	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
D0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
D0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0	fisheries data	TCF	retained catc		abundance	BY_X	none
D0	fisheries data	TCF	retained catc		abundance	BY_X	none
D0	fisheries data	TCF	retained catc		biomass	BY_X	norm2
D0	fisheries data	TCF	retained catc		biomass	BY_X	norm2
D0	fisheries data	TCF	retained catc		n.at.z	BY_X	multinomial
D0	fisheries data	TCF	retained catc		n.at.z	BY_X	multinomial
D0	fisheries data	TCF	retained catc		n.at.z	BY_X	multinomial
D0	fisheries data	TCF	retained catc		n.at.z	BY_X	multinomial
D0	fisheries data	TCF	retained catc		n.at.z	BY_X	multinomial

D0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	biomass	BY_X	norm2
D0	fisheries data	TCF	total catch	biomass	BY_X	norm2
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial

D0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data SCF	total catch	abundance	BY_X	none
D0	fisheries data SCF	total catch	abundance	BY_X	none
D0	fisheries data SCF	total catch	biomass	BY_X	norm2
D0	fisheries data SCF	total catch	biomass	BY_X	norm2
D0	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

D0	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0	fisheries data RKF	total catch	abundance	BY_X	none
D0	fisheries data RKF	total catch	abundance	BY_X	none
D0	fisheries data RKF	total catch	biomass	BY_X	norm2
D0	fisheries data RKF	total catch	biomass	BY_X	norm2
D0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial

D0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

D0	growth data	Kodiak	gamma
D0	growth data	Kodiak	gamma
D0	growth data	Kodiak	gamma
D0	growth data	Kodiak	gamma
D0	growth data	Kodiak	gamma
D0	growth data	Kodiak	gamma
D0	growth data	Kodiak	gamma
D0	growth data	Kodiak	gamma
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D0	growth data	Kodiak	gamma
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D0	growth data	Kodiak	gamma
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D0	growth data	Kodiak	gamma
D0	growth data	Kodiak	gamma
D0	growth data	Kodiak	gamma
D0	growth data	Kodiak	gamma
D0	maturity data	MATURITY_OGIVES	binomial
D0	maturity data	MATURITY_OGIVES	binomial
D0	maturity data	MATURITY_OGIVES	binomial
D0	maturity data	MATURITY_OGIVES	binomial
D0	maturity data	MATURITY_OGIVES	binomial
D0	maturity data	MATURITY_OGIVES	binomial
D0	maturity data	MATURITY_OGIVES	binomial
D0	maturity data	MATURITY_OGIVES	binomial
D0	maturity data	MATURITY_OGIVES	binomial
D0	maturity data	MATURITY_OGIVES	binomial
D0	maturity data	MATURITY_OGIVES	binomial
D0	maturity data	MATURITY_OGIVES	binomial
D0	maturity data	MATURITY_OGIVES	binomial

D0	maturity data			MATURITY_OGIVES		binomial
D0	maturity data			MATURITY_OGIVES		binomial
D0	maturity data			MATURITY_OGIVES		binomial
D0	maturity data			MATURITY_OGIVES		binomial
D0	maturity data			MATURITY_OGIVES		binomial
D0	maturity data			MATURITY_OGIVES		binomial
D0	maturity data			MATURITY_OGIVES		binomial
D0	maturity data			MATURITY_OGIVES		binomial
D0	effort data	SCF	fishery	1		lognormal
D0	effort data	SCF	fishery	1		lognormal
D0	effort data	SCF	fishery	1		lognormal
D0	effort data	SCF	fishery	1		lognormal
D0	effort data	SCF	fishery	2		lognormal
D0	effort data	SCF	fishery	2		lognormal
D0	effort data	SCF	fishery	2		lognormal
D0	effort data	SCF	fishery	2		lognormal
D0	effort data	RKF	fishery	3		lognormal
D0	effort data	RKF	fishery	3		lognormal
D0	effort data	RKF	fishery	3		lognormal
D0	effort data	RKF	fishery	3		lognormal
D0	effort data	RKF	fishery	4		lognormal
D0	effort data	RKF	fishery	4		lognormal
D0	effort data	RKF	fishery	4		lognormal
D0	effort data	RKF	fishery	4		lognormal
D0a	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D0a	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D0a	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D0a	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D0a	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
D0a	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
D0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
D0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
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D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
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D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0a	fisheries data	TCF	retained catc	abundance	BY_X	none
D0a	fisheries data	TCF	retained catc	abundance	BY_X	none
D0a	fisheries data	TCF	retained catc	biomass	BY_X	norm2
D0a	fisheries data	TCF	retained catc	biomass	BY_X	norm2
D0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

D0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

D0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
D0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
D0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
D0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
D0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
D0a	fisheries data SCF	total catch	abundance	BY_X	none
D0a	fisheries data SCF	total catch	abundance	BY_X	none
D0a	fisheries data SCF	total catch	biomass	BY_X	norm2
D0a	fisheries data SCF	total catch	biomass	BY_X	norm2
D0a	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

D0a	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
D0a	fisheries data	RKF	total catch	abundance	BY_X	none
D0a	fisheries data	RKF	total catch	abundance	BY_X	none
D0a	fisheries data	RKF	total catch	biomass	BY_X	norm2
D0a	fisheries data	RKF	total catch	biomass	BY_X	norm2
D0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

D0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	growth data	Kodiak	gamma
D0a	maturity data	MATURITY_OGIVES	binomial
D0a	maturity data	MATURITY_OGIVES	binomial
D0a	maturity data	MATURITY_OGIVES	binomial
D0a	maturity data	MATURITY_OGIVES	binomial
D0a	maturity data	MATURITY_OGIVES	binomial
D0a	maturity data	MATURITY_OGIVES	binomial
D0a	maturity data	MATURITY_OGIVES	binomial
D0a	maturity data	MATURITY_OGIVES	binomial
D0a	maturity data	MATURITY_OGIVES	binomial
D0a	maturity data	MATURITY_OGIVES	binomial
D0a	maturity data	MATURITY_OGIVES	binomial
D0a	maturity data	MATURITY_OGIVES	binomial
D0a	maturity data	MATURITY_OGIVES	binomial

D0a	maturity data			MATURITY_OGIVES		binomial
D0a	maturity data			MATURITY_OGIVES		binomial
D0a	maturity data			MATURITY_OGIVES		binomial
D0a	maturity data			MATURITY_OGIVES		binomial
D0a	maturity data			MATURITY_OGIVES		binomial
D0a	maturity data			MATURITY_OGIVES		binomial
D0a	maturity data			MATURITY_OGIVES		binomial
D0a	effort data	SCF	fishery	1		lognormal
D0a	effort data	SCF	fishery	1		lognormal
D0a	effort data	SCF	fishery	1		lognormal
D0a	effort data	SCF	fishery	1		lognormal
D0a	effort data	SCF	fishery	2		lognormal
D0a	effort data	SCF	fishery	2		lognormal
D0a	effort data	SCF	fishery	2		lognormal
D0a	effort data	SCF	fishery	2		lognormal
D0a	effort data	RKF	fishery	3		lognormal
D0a	effort data	RKF	fishery	3		lognormal
D0a	effort data	RKF	fishery	3		lognormal
D0a	effort data	RKF	fishery	3		lognormal
D0a	effort data	RKF	fishery	4		lognormal
D0a	effort data	RKF	fishery	4		lognormal
D0a	effort data	RKF	fishery	4		lognormal
D0a	effort data	RKF	fishery	4		lognormal
D0b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D0b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D0b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D0b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D0b	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
D0b	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
D0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D0b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D0b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D0b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D0b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
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D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
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D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
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D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D0b	fisheries data	TCF	retained catc	abundance	BY_X	none
D0b	fisheries data	TCF	retained catc	abundance	BY_X	none
D0b	fisheries data	TCF	retained catc	biomass	BY_X	norm2
D0b	fisheries data	TCF	retained catc	biomass	BY_X	norm2
D0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

D0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

D0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
D0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
D0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
D0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
D0b	fisheries data SCF	total catch	abundance	BY_X	none
D0b	fisheries data SCF	total catch	abundance	BY_X	none
D0b	fisheries data SCF	total catch	biomass	BY_X	norm2
D0b	fisheries data SCF	total catch	biomass	BY_X	norm2
D0b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

D0b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0b	fisheries data RKF	total catch	abundance	BY_X	none
D0b	fisheries data RKF	total catch	abundance	BY_X	none
D0b	fisheries data RKF	total catch	biomass	BY_X	norm2
D0b	fisheries data RKF	total catch	biomass	BY_X	norm2
D0b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial

D0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	growth data	Kodiak	gamma
D0b	maturity data	MATURITY_OGIVES	binomial
D0b	maturity data	MATURITY_OGIVES	binomial
D0b	maturity data	MATURITY_OGIVES	binomial
D0b	maturity data	MATURITY_OGIVES	binomial
D0b	maturity data	MATURITY_OGIVES	binomial
D0b	maturity data	MATURITY_OGIVES	binomial
D0b	maturity data	MATURITY_OGIVES	binomial
D0b	maturity data	MATURITY_OGIVES	binomial
D0b	maturity data	MATURITY_OGIVES	binomial
D0b	maturity data	MATURITY_OGIVES	binomial
D0b	maturity data	MATURITY_OGIVES	binomial
D0b	maturity data	MATURITY_OGIVES	binomial
D0b	maturity data	MATURITY_OGIVES	binomial
D0b	maturity data	MATURITY_OGIVES	binomial
D0b	maturity data	MATURITY_OGIVES	binomial

D0b	maturity data			MATURITY_OGIVES		binomial
D0b	maturity data			MATURITY_OGIVES		binomial
D0b	maturity data			MATURITY_OGIVES		binomial
D0b	maturity data			MATURITY_OGIVES		binomial
D0b	maturity data			MATURITY_OGIVES		binomial
D0b	maturity data			MATURITY_OGIVES		binomial
D0b	effort data	SCF	fishery	1		lognormal
D0b	effort data	SCF	fishery	1		lognormal
D0b	effort data	SCF	fishery	1		lognormal
D0b	effort data	SCF	fishery	1		lognormal
D0b	effort data	SCF	fishery	2		lognormal
D0b	effort data	SCF	fishery	2		lognormal
D0b	effort data	SCF	fishery	2		lognormal
D0b	effort data	SCF	fishery	2		lognormal
D0b	effort data	RKF	fishery	3		lognormal
D0b	effort data	RKF	fishery	3		lognormal
D0b	effort data	RKF	fishery	3		lognormal
D0b	effort data	RKF	fishery	3		lognormal
D0b	effort data	RKF	fishery	4		lognormal
D0b	effort data	RKF	fishery	4		lognormal
D0b	effort data	RKF	fishery	4		lognormal
D0b	effort data	RKF	fishery	4		lognormal
D0c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D0c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D0c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D0c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D0c	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
D0c	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D0c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
D0c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
D0c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
D0c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
D0c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal

D0c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D0c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D0c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XMS	multinomial
D0c	fisheries data	TCF	retained	catc	abundance	BY_X	none
D0c	fisheries data	TCF	retained	catc	abundance	BY_X	none
D0c	fisheries data	TCF	retained	catc	biomass	BY_X	norm2
D0c	fisheries data	TCF	retained	catc	biomass	BY_X	norm2
D0c	fisheries data	TCF	retained	catc	n.at.z	BY_X	multinomial
D0c	fisheries data	TCF	retained	catc	n.at.z	BY_X	multinomial
D0c	fisheries data	TCF	retained	catc	n.at.z	BY_X	multinomial
D0c	fisheries data	TCF	retained	catc	n.at.z	BY_X	multinomial
D0c	fisheries data	TCF	retained	catc	n.at.z	BY_X	multinomial
D0c	fisheries data	TCF	retained	catc	n.at.z	BY_X	multinomial
D0c	fisheries data	TCF	retained	catc	n.at.z	BY_X	multinomial
D0c	fisheries data	TCF	retained	catc	n.at.z	BY_X	multinomial

D0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

D0c	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
D0c	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
D0c	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
D0c	fisheries data SCF	total catch	abundance	BY_X	none
D0c	fisheries data SCF	total catch	abundance	BY_X	none
D0c	fisheries data SCF	total catch	biomass	BY_X	norm2
D0c	fisheries data SCF	total catch	biomass	BY_X	norm2
D0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

D0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D0c	fisheries data RKF	total catch	abundance	BY_X	none
D0c	fisheries data RKF	total catch	abundance	BY_X	none
D0c	fisheries data RKF	total catch	biomass	BY_X	norm2
D0c	fisheries data RKF	total catch	biomass	BY_X	norm2
D0c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D0c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial

D0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	growth data	Kodiak	gamma
D0c	maturity data	MATURITY_OGIVES	binomial
D0c	maturity data	MATURITY_OGIVES	binomial
D0c	maturity data	MATURITY_OGIVES	binomial
D0c	maturity data	MATURITY_OGIVES	binomial
D0c	maturity data	MATURITY_OGIVES	binomial
D0c	maturity data	MATURITY_OGIVES	binomial
D0c	maturity data	MATURITY_OGIVES	binomial
D0c	maturity data	MATURITY_OGIVES	binomial
D0c	maturity data	MATURITY_OGIVES	binomial
D0c	maturity data	MATURITY_OGIVES	binomial
D0c	maturity data	MATURITY_OGIVES	binomial
D0c	maturity data	MATURITY_OGIVES	binomial
D0c	maturity data	MATURITY_OGIVES	binomial
D0c	maturity data	MATURITY_OGIVES	binomial
D0c	maturity data	MATURITY_OGIVES	binomial
D0c	maturity data	MATURITY_OGIVES	binomial

D0c	maturity data			MATURITY_OGIVES		binomial
D0c	maturity data			MATURITY_OGIVES		binomial
D0c	maturity data			MATURITY_OGIVES		binomial
D0c	maturity data			MATURITY_OGIVES		binomial
D0c	maturity data			MATURITY_OGIVES		binomial
D0c	effort data	SCF	fishery	1		lognormal
D0c	effort data	SCF	fishery	1		lognormal
D0c	effort data	SCF	fishery	1		lognormal
D0c	effort data	SCF	fishery	1		lognormal
D0c	effort data	SCF	fishery	2		lognormal
D0c	effort data	SCF	fishery	2		lognormal
D0c	effort data	SCF	fishery	2		lognormal
D0c	effort data	SCF	fishery	2		lognormal
D0c	effort data	RKF	fishery	3		lognormal
D0c	effort data	RKF	fishery	3		lognormal
D0c	effort data	RKF	fishery	3		lognormal
D0c	effort data	RKF	fishery	3		lognormal
D0c	effort data	RKF	fishery	4		lognormal
D0c	effort data	RKF	fishery	4		lognormal
D0c	effort data	RKF	fishery	4		lognormal
D0c	effort data	RKF	fishery	4		lognormal
D1	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D1	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D1	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D1	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D1	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
D1	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
D1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D1	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D1	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1	fisheries data	TCF	retained catc	abundance	BY_X	none
D1	fisheries data	TCF	retained catc	abundance	BY_X	none
D1	fisheries data	TCF	retained catc	biomass	BY_X	norm2
D1	fisheries data	TCF	retained catc	biomass	BY_X	norm2
D1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

D1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

D1	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data SCF	total catch	abundance	BY_X	none
D1	fisheries data SCF	total catch	abundance	BY_X	none
D1	fisheries data SCF	total catch	biomass	BY_X	norm2
D1	fisheries data SCF	total catch	biomass	BY_X	norm2
D1	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

D1	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1	fisheries data RKF	total catch	abundance	BY_X	none
D1	fisheries data RKF	total catch	abundance	BY_X	none
D1	fisheries data RKF	total catch	biomass	BY_X	norm2
D1	fisheries data RKF	total catch	biomass	BY_X	norm2
D1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial

D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1	growth data			EBS		gamma
D1	growth data			EBS		gamma
D1	growth data			EBS		gamma
D1	growth data			EBS		gamma
D1	growth data			Kodiak		gamma
D1	growth data			Kodiak		gamma
D1	growth data			Kodiak		gamma
D1	growth data			Kodiak		gamma
D1	growth data			Kodiak		gamma

D1	growth data	Kodiak	gamma
D1	growth data	Kodiak	gamma
D1	growth data	Kodiak	gamma
D1	growth data	Kodiak	gamma
D1	growth data	Kodiak	gamma
D1	growth data	Kodiak	gamma
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D1	growth data	Kodiak	gamma
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D1	growth data	Kodiak	gamma
D1	growth data	Kodiak	gamma
D1	growth data	Kodiak	gamma
D1	growth data	Kodiak	gamma
D1	maturity data	MATURITY_OGIVES	binomial
D1	maturity data	MATURITY_OGIVES	binomial
D1	maturity data	MATURITY_OGIVES	binomial
D1	maturity data	MATURITY_OGIVES	binomial
D1	maturity data	MATURITY_OGIVES	binomial
D1	maturity data	MATURITY_OGIVES	binomial
D1	maturity data	MATURITY_OGIVES	binomial
D1	maturity data	MATURITY_OGIVES	binomial
D1	maturity data	MATURITY_OGIVES	binomial
D1	maturity data	MATURITY_OGIVES	binomial
D1	maturity data	MATURITY_OGIVES	binomial
D1	maturity data	MATURITY_OGIVES	binomial
D1	maturity data	MATURITY_OGIVES	binomial
D1	maturity data	MATURITY_OGIVES	binomial
D1	maturity data	MATURITY_OGIVES	binomial
D1	maturity data	MATURITY_OGIVES	binomial

D1	maturity data			MATURITY_OGIVES		binomial
D1	maturity data			MATURITY_OGIVES		binomial
D1	maturity data			MATURITY_OGIVES		binomial
D1	maturity data			MATURITY_OGIVES		binomial
D1	effort data	SCF	fishery	1		lognormal
D1	effort data	SCF	fishery	1		lognormal
D1	effort data	SCF	fishery	1		lognormal
D1	effort data	SCF	fishery	1		lognormal
D1	effort data	SCF	fishery	2		lognormal
D1	effort data	SCF	fishery	2		lognormal
D1	effort data	SCF	fishery	2		lognormal
D1	effort data	SCF	fishery	2		lognormal
D1	effort data	RKF	fishery	3		lognormal
D1	effort data	RKF	fishery	3		lognormal
D1	effort data	RKF	fishery	3		lognormal
D1	effort data	RKF	fishery	3		lognormal
D1	effort data	RKF	fishery	4		lognormal
D1	effort data	RKF	fishery	4		lognormal
D1	effort data	RKF	fishery	4		lognormal
D1	effort data	RKF	fishery	4		lognormal
D1b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D1b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D1b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D1b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D1b	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOM lognormal
D1b	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOM lognormal
D1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
D1b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
D1b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
D1b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
D1b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D1b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D1b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal

D1b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1b	fisheries data	TCF	retained catc	abundance	BY_X	none
D1b	fisheries data	TCF	retained catc	abundance	BY_X	none
D1b	fisheries data	TCF	retained catc	biomass	BY_X	norm2
D1b	fisheries data	TCF	retained catc	biomass	BY_X	norm2
D1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

D1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

D1b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	SCF	total catch	abundance	BY_X	none
D1b	fisheries data	SCF	total catch	abundance	BY_X	none
D1b	fisheries data	SCF	total catch	biomass	BY_X	norm2
D1b	fisheries data	SCF	total catch	biomass	BY_X	norm2
D1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

D1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

D1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
D1b	fisheries data RKF	total catch	abundance	BY_X	none
D1b	fisheries data RKF	total catch	abundance	BY_X	none
D1b	fisheries data RKF	total catch	biomass	BY_X	norm2
D1b	fisheries data RKF	total catch	biomass	BY_X	norm2
D1b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data RKF	total catch	n.at.z	BY_X	multinomial

D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1b	growth data			EBS		gamma
D1b	growth data			EBS		gamma
D1b	growth data			EBS		gamma
D1b	growth data			EBS		gamma
D1b	growth data			Kodiak		gamma
D1b	growth data			Kodiak		gamma
D1b	growth data			Kodiak		gamma
D1b	growth data			Kodiak		gamma
D1b	growth data			Kodiak		gamma
D1b	growth data			Kodiak		gamma

D1b	growth data	Kodiak	gamma
D1b	growth data	Kodiak	gamma
D1b	growth data	Kodiak	gamma
D1b	growth data	Kodiak	gamma
D1b	growth data	Kodiak	gamma
D1b	growth data	Kodiak	gamma
D1b	growth data	Kodiak	gamma
D1b	growth data	Kodiak	gamma
D1b	growth data	Kodiak	gamma
D1b	growth data	Kodiak	gamma
D1b	growth data	Kodiak	gamma
D1b	growth data	Kodiak	gamma
D1b	growth data	Kodiak	gamma
D1b	growth data	Kodiak	gamma
D1b	growth data	Kodiak	gamma
D1b	growth data	Kodiak	gamma
D1b	growth data	Kodiak	gamma
D1b	growth data	Kodiak	gamma
D1b	growth data	Kodiak	gamma
D1b	growth data	Kodiak	gamma
D1b	growth data	Kodiak	gamma
D1b	maturity data	MATURITY_OGIVES	binomial
D1b	maturity data	MATURITY_OGIVES	binomial
D1b	maturity data	MATURITY_OGIVES	binomial
D1b	maturity data	MATURITY_OGIVES	binomial
D1b	maturity data	MATURITY_OGIVES	binomial
D1b	maturity data	MATURITY_OGIVES	binomial
D1b	maturity data	MATURITY_OGIVES	binomial
D1b	maturity data	MATURITY_OGIVES	binomial
D1b	maturity data	MATURITY_OGIVES	binomial
D1b	maturity data	MATURITY_OGIVES	binomial
D1b	maturity data	MATURITY_OGIVES	binomial
D1b	maturity data	MATURITY_OGIVES	binomial
D1b	maturity data	MATURITY_OGIVES	binomial
D1b	maturity data	MATURITY_OGIVES	binomial
D1b	maturity data	MATURITY_OGIVES	binomial
D1b	maturity data	MATURITY_OGIVES	binomial
D1b	maturity data	MATURITY_OGIVES	binomial
D1b	maturity data	MATURITY_OGIVES	binomial

D1b	maturity data			MATURITY_OGIVES		binomial
D1b	maturity data			MATURITY_OGIVES		binomial
D1b	maturity data			MATURITY_OGIVES		binomial
D1b	effort data	SCF	fishery	1		lognormal
D1b	effort data	SCF	fishery	1		lognormal
D1b	effort data	SCF	fishery	1		lognormal
D1b	effort data	SCF	fishery	1		lognormal
D1b	effort data	SCF	fishery	2		lognormal
D1b	effort data	SCF	fishery	2		lognormal
D1b	effort data	SCF	fishery	2		lognormal
D1b	effort data	SCF	fishery	2		lognormal
D1b	effort data	RKF	fishery	3		lognormal
D1b	effort data	RKF	fishery	3		lognormal
D1b	effort data	RKF	fishery	3		lognormal
D1b	effort data	RKF	fishery	3		lognormal
D1b	effort data	RKF	fishery	4		lognormal
D1b	effort data	RKF	fishery	4		lognormal
D1b	effort data	RKF	fishery	4		lognormal
D1b	effort data	RKF	fishery	4		lognormal
D1c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D1c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D1c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D1c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
D1c	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
D1c	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
D1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
D1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
D1c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
D1c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
D1c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
D1c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
D1c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D1c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D1c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
D1c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal

D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
D1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
D1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
D1c	fisheries data	TCF	retained catc	abundance	BY_X	none
D1c	fisheries data	TCF	retained catc	abundance	BY_X	none
D1c	fisheries data	TCF	retained catc	biomass	BY_X	norm2
D1c	fisheries data	TCF	retained catc	biomass	BY_X	norm2
D1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
D1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

D1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

D1c	fisheries data	SCF	total catch	abundance	BY_X	none
D1c	fisheries data	SCF	total catch	abundance	BY_X	none
D1c	fisheries data	SCF	total catch	biomass	BY_X	norm2
D1c	fisheries data	SCF	total catch	biomass	BY_X	norm2
D1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

D1c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

D1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

D1c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
D1c	growth data			EBS		gamma
D1c	growth data			EBS		gamma
D1c	growth data			EBS		gamma
D1c	growth data			EBS		gamma
D1c	growth data			Kodiak		gamma
D1c	growth data			Kodiak		gamma
D1c	growth data			Kodiak		gamma
D1c	growth data			Kodiak		gamma
D1c	growth data			Kodiak		gamma
D1c	growth data			Kodiak		gamma
D1c	growth data			Kodiak		gamma

D1c	growth data	Kodiak	gamma
D1c	growth data	Kodiak	gamma
D1c	growth data	Kodiak	gamma
D1c	growth data	Kodiak	gamma
D1c	growth data	Kodiak	gamma
D1c	growth data	Kodiak	gamma
D1c	growth data	Kodiak	gamma
D1c	growth data	Kodiak	gamma
D1c	growth data	Kodiak	gamma
D1c	growth data	Kodiak	gamma
D1c	growth data	Kodiak	gamma
D1c	growth data	Kodiak	gamma
D1c	growth data	Kodiak	gamma
D1c	growth data	Kodiak	gamma
D1c	growth data	Kodiak	gamma
D1c	growth data	Kodiak	gamma
D1c	growth data	Kodiak	gamma
D1c	growth data	Kodiak	gamma
D1c	growth data	Kodiak	gamma
D1c	growth data	Kodiak	gamma
D1c	maturity data	MATURITY_OGIVES	binomial
D1c	maturity data	MATURITY_OGIVES	binomial
D1c	maturity data	MATURITY_OGIVES	binomial
D1c	maturity data	MATURITY_OGIVES	binomial
D1c	maturity data	MATURITY_OGIVES	binomial
D1c	maturity data	MATURITY_OGIVES	binomial
D1c	maturity data	MATURITY_OGIVES	binomial
D1c	maturity data	MATURITY_OGIVES	binomial
D1c	maturity data	MATURITY_OGIVES	binomial
D1c	maturity data	MATURITY_OGIVES	binomial
D1c	maturity data	MATURITY_OGIVES	binomial
D1c	maturity data	MATURITY_OGIVES	binomial
D1c	maturity data	MATURITY_OGIVES	binomial
D1c	maturity data	MATURITY_OGIVES	binomial
D1c	maturity data	MATURITY_OGIVES	binomial
D1c	maturity data	MATURITY_OGIVES	binomial
D1c	maturity data	MATURITY_OGIVES	binomial
D1c	maturity data	MATURITY_OGIVES	binomial

D1c	maturity data			MATURITY_OGIVES		binomial
D1c	maturity data			MATURITY_OGIVES		binomial
D1c	effort data	SCF	fishery	1		lognormal
D1c	effort data	SCF	fishery	1		lognormal
D1c	effort data	SCF	fishery	1		lognormal
D1c	effort data	SCF	fishery	1		lognormal
D1c	effort data	SCF	fishery	2		lognormal
D1c	effort data	SCF	fishery	2		lognormal
D1c	effort data	SCF	fishery	2		lognormal
D1c	effort data	SCF	fishery	2		lognormal
D1c	effort data	RKF	fishery	3		lognormal
D1c	effort data	RKF	fishery	3		lognormal
D1c	effort data	RKF	fishery	3		lognormal
D1c	effort data	RKF	fishery	3		lognormal
D1c	effort data	RKF	fishery	4		lognormal
D1c	effort data	RKF	fishery	4		lognormal
D1c	effort data	RKF	fishery	4		lognormal
D1c	effort data	RKF	fishery	4		lognormal
E0	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E0	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E0	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E0	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E0	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
E0	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
E0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
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E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal

E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

E0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0	fisheries data	TCF	retained catc	abundance	BY_X	none
E0	fisheries data	TCF	retained catc	abundance	BY_X	none
E0	fisheries data	TCF	retained catc	biomass	BY_X	norm2
E0	fisheries data	TCF	retained catc	biomass	BY_X	norm2
E0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
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E0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

E0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

E0	fisheries data	SCF	total catch	abundance	BY_X	none
E0	fisheries data	SCF	total catch	biomass	BY_X	norm2
E0	fisheries data	SCF	total catch	biomass	BY_X	norm2
E0	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

E0	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

E0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

E0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E0	fisheries data RKF	total catch	abundance	BY_X	none
E0	fisheries data RKF	total catch	abundance	BY_X	none
E0	fisheries data RKF	total catch	biomass	BY_X	norm2
E0	fisheries data RKF	total catch	biomass	BY_X	norm2
E0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E0	fisheries data RKF	total catch	n.at.z	BY_X	multinomial

E0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

E0	growth data	Kodiak	gamma
E0	growth data	Kodiak	gamma
E0	growth data	Kodiak	gamma
E0	growth data	Kodiak	gamma
E0	growth data	Kodiak	gamma
E0	growth data	Kodiak	gamma
E0	growth data	Kodiak	gamma
E0	growth data	Kodiak	gamma
E0	growth data	Kodiak	gamma
E0	growth data	Kodiak	gamma
E0	growth data	Kodiak	gamma
E0	growth data	Kodiak	gamma
E0	growth data	Kodiak	gamma
E0	growth data	Kodiak	gamma
E0	growth data	Kodiak	gamma
E0	growth data	Kodiak	gamma
E0	growth data	Kodiak	gamma
E0	growth data	Kodiak	gamma
E0	growth data	Kodiak	gamma
E0	growth data	Kodiak	gamma
E0	maturity data	MATURITY_OGIVES	binomial
E0	maturity data	MATURITY_OGIVES	binomial
E0	maturity data	MATURITY_OGIVES	binomial
E0	maturity data	MATURITY_OGIVES	binomial
E0	maturity data	MATURITY_OGIVES	binomial
E0	maturity data	MATURITY_OGIVES	binomial
E0	maturity data	MATURITY_OGIVES	binomial
E0	maturity data	MATURITY_OGIVES	binomial
E0	maturity data	MATURITY_OGIVES	binomial
E0	maturity data	MATURITY_OGIVES	binomial
E0	maturity data	MATURITY_OGIVES	binomial
E0	maturity data	MATURITY_OGIVES	binomial
E0	maturity data	MATURITY_OGIVES	binomial
E0	maturity data	MATURITY_OGIVES	binomial
E0	maturity data	MATURITY_OGIVES	binomial
E0	maturity data	MATURITY_OGIVES	binomial
E0	maturity data	MATURITY_OGIVES	binomial
E0	maturity data	MATURITY_OGIVES	binomial
E0	maturity data	MATURITY_OGIVES	binomial
E0	maturity data	MATURITY_OGIVES	binomial

E0	maturity data			MATURITY_OGIVES		binomial
E0	effort data	SCF	fishery	1		lognormal
E0	effort data	SCF	fishery	1		lognormal
E0	effort data	SCF	fishery	1		lognormal
E0	effort data	SCF	fishery	1		lognormal
E0	effort data	SCF	fishery	2		lognormal
E0	effort data	SCF	fishery	2		lognormal
E0	effort data	SCF	fishery	2		lognormal
E0	effort data	SCF	fishery	2		lognormal
E0	effort data	RKF	fishery	3		lognormal
E0	effort data	RKF	fishery	3		lognormal
E0	effort data	RKF	fishery	3		lognormal
E0	effort data	RKF	fishery	3		lognormal
E0	effort data	RKF	fishery	4		lognormal
E0	effort data	RKF	fishery	4		lognormal
E0	effort data	RKF	fishery	4		lognormal
E0	effort data	RKF	fishery	4		lognormal
E0a	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E0a	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E0a	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E0a	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E0a	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
E0a	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
E0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

E0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0a	fisheries data	TCF	retained catc	abundance	BY_X	none
E0a	fisheries data	TCF	retained catc	abundance	BY_X	none
E0a	fisheries data	TCF	retained catc	biomass	BY_X	norm2
E0a	fisheries data	TCF	retained catc	biomass	BY_X	norm2
E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	biomass	BY_X	norm2
E0a	fisheries data	TCF	total catch	biomass	BY_X	norm2
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
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E0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	SCF	total catch	abundance	BY_X	none
E0a	fisheries data	SCF	total catch	abundance	BY_X	none

E0a	fisheries data	SCF	total catch	biomass	BY_X	norm2
E0a	fisheries data	SCF	total catch	biomass	BY_X	norm2
E0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

E0a	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

E0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

E0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0a	growth data			EBS		gamma
E0a	growth data			EBS		gamma
E0a	growth data			EBS		gamma
E0a	growth data			EBS		gamma
E0a	growth data			Kodiak		gamma
E0a	growth data			Kodiak		gamma
E0a	growth data			Kodiak		gamma
E0a	growth data			Kodiak		gamma
E0a	growth data			Kodiak		gamma
E0a	growth data			Kodiak		gamma
E0a	growth data			Kodiak		gamma
E0a	growth data			Kodiak		gamma

E0a	growth data	Kodiak	gamma
E0a	growth data	Kodiak	gamma
E0a	growth data	Kodiak	gamma
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E0a	growth data	Kodiak	gamma
E0a	growth data	Kodiak	gamma
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E0a	growth data	Kodiak	gamma
E0a	growth data	Kodiak	gamma
E0a	growth data	Kodiak	gamma
E0a	growth data	Kodiak	gamma
E0a	maturity data	MATURITY_OGIVES	binomial
E0a	maturity data	MATURITY_OGIVES	binomial
E0a	maturity data	MATURITY_OGIVES	binomial
E0a	maturity data	MATURITY_OGIVES	binomial
E0a	maturity data	MATURITY_OGIVES	binomial
E0a	maturity data	MATURITY_OGIVES	binomial
E0a	maturity data	MATURITY_OGIVES	binomial
E0a	maturity data	MATURITY_OGIVES	binomial
E0a	maturity data	MATURITY_OGIVES	binomial
E0a	maturity data	MATURITY_OGIVES	binomial
E0a	maturity data	MATURITY_OGIVES	binomial
E0a	maturity data	MATURITY_OGIVES	binomial
E0a	maturity data	MATURITY_OGIVES	binomial
E0a	maturity data	MATURITY_OGIVES	binomial
E0a	maturity data	MATURITY_OGIVES	binomial
E0a	maturity data	MATURITY_OGIVES	binomial
E0a	maturity data	MATURITY_OGIVES	binomial
E0a	maturity data	MATURITY_OGIVES	binomial
E0a	maturity data	MATURITY_OGIVES	binomial
E0a	maturity data	MATURITY_OGIVES	binomial

E0a	effort data	SCF	fishery		1	lognormal
E0a	effort data	SCF	fishery		1	lognormal
E0a	effort data	SCF	fishery		1	lognormal
E0a	effort data	SCF	fishery		1	lognormal
E0a	effort data	SCF	fishery		2	lognormal
E0a	effort data	SCF	fishery		2	lognormal
E0a	effort data	SCF	fishery		2	lognormal
E0a	effort data	SCF	fishery		2	lognormal
E0a	effort data	RKF	fishery		3	lognormal
E0a	effort data	RKF	fishery		3	lognormal
E0a	effort data	RKF	fishery		3	lognormal
E0a	effort data	RKF	fishery		3	lognormal
E0a	effort data	RKF	fishery		4	lognormal
E0a	effort data	RKF	fishery		4	lognormal
E0a	effort data	RKF	fishery		4	lognormal
E0a	effort data	RKF	fishery		4	lognormal
E0b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E0b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E0b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E0b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E0b	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
E0b	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
E0b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E0b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E0b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E0b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E0b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E0b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E0b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E0b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

E0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0b	fisheries data	TCF	retained catc	abundance	BY_X	none
E0b	fisheries data	TCF	retained catc	abundance	BY_X	none
E0b	fisheries data	TCF	retained catc	biomass	BY_X	norm2
E0b	fisheries data	TCF	retained catc	biomass	BY_X	norm2
E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0b	fisheries data	TCF	total catch	biomass	BY_X	norm2
E0b	fisheries data	TCF	total catch	biomass	BY_X	norm2
E0b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial

E0b	fisheries data	SCF	total catch	biomass	BY_X	norm2
E0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

E0b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

E0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

E0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0b	growth data			EBS		gamma
E0b	growth data			EBS		gamma
E0b	growth data			EBS		gamma
E0b	growth data			EBS		gamma
E0b	growth data			Kodiak		gamma
E0b	growth data			Kodiak		gamma
E0b	growth data			Kodiak		gamma
E0b	growth data			Kodiak		gamma
E0b	growth data			Kodiak		gamma
E0b	growth data			Kodiak		gamma
E0b	growth data			Kodiak		gamma
E0b	growth data			Kodiak		gamma
E0b	growth data			Kodiak		gamma
E0b	growth data			Kodiak		gamma

E0b	growth data			Kodiak	gamma
E0b	growth data			Kodiak	gamma
E0b	growth data			Kodiak	gamma
E0b	growth data			Kodiak	gamma
E0b	growth data			Kodiak	gamma
E0b	growth data			Kodiak	gamma
E0b	growth data			Kodiak	gamma
E0b	growth data			Kodiak	gamma
E0b	growth data			Kodiak	gamma
E0b	growth data			Kodiak	gamma
E0b	growth data			Kodiak	gamma
E0b	growth data			Kodiak	gamma
E0b	growth data			Kodiak	gamma
E0b	growth data			Kodiak	gamma
E0b	growth data			Kodiak	gamma
E0b	growth data			Kodiak	gamma
E0b	growth data			Kodiak	gamma
E0b	growth data			Kodiak	gamma
E0b	maturity data			MATURITY_OGIVES	binomial
E0b	maturity data			MATURITY_OGIVES	binomial
E0b	maturity data			MATURITY_OGIVES	binomial
E0b	maturity data			MATURITY_OGIVES	binomial
E0b	maturity data			MATURITY_OGIVES	binomial
E0b	maturity data			MATURITY_OGIVES	binomial
E0b	maturity data			MATURITY_OGIVES	binomial
E0b	maturity data			MATURITY_OGIVES	binomial
E0b	maturity data			MATURITY_OGIVES	binomial
E0b	maturity data			MATURITY_OGIVES	binomial
E0b	maturity data			MATURITY_OGIVES	binomial
E0b	maturity data			MATURITY_OGIVES	binomial
E0b	maturity data			MATURITY_OGIVES	binomial
E0b	maturity data			MATURITY_OGIVES	binomial
E0b	maturity data			MATURITY_OGIVES	binomial
E0b	maturity data			MATURITY_OGIVES	binomial
E0b	maturity data			MATURITY_OGIVES	binomial
E0b	maturity data			MATURITY_OGIVES	binomial
E0b	maturity data			MATURITY_OGIVES	binomial
E0b	maturity data			MATURITY_OGIVES	binomial
E0b	effort data	SCF	fishery	1	lognormal

E0b	effort data	SCF	fishery		1	lognormal
E0b	effort data	SCF	fishery		1	lognormal
E0b	effort data	SCF	fishery		1	lognormal
E0b	effort data	SCF	fishery		2	lognormal
E0b	effort data	SCF	fishery		2	lognormal
E0b	effort data	SCF	fishery		2	lognormal
E0b	effort data	SCF	fishery		2	lognormal
E0b	effort data	RKF	fishery		3	lognormal
E0b	effort data	RKF	fishery		3	lognormal
E0b	effort data	RKF	fishery		3	lognormal
E0b	effort data	RKF	fishery		3	lognormal
E0b	effort data	RKF	fishery		4	lognormal
E0b	effort data	RKF	fishery		4	lognormal
E0b	effort data	RKF	fishery		4	lognormal
E0b	effort data	RKF	fishery		4	lognormal
E0c	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
E0c	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
E0c	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
E0c	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
E0c	surveys data	NMFS trawl s	index catch	biomass	BY_X_MATOI	lognormal
E0c	surveys data	NMFS trawl s	index catch	biomass	BY_X_MATOI	lognormal
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial

E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E0c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E0c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E0c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E0c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E0c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E0c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E0c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E0c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal

E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

E0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E0c	fisheries data	TCF	retained catc	abundance	BY_X	none
E0c	fisheries data	TCF	retained catc	abundance	BY_X	none
E0c	fisheries data	TCF	retained catc	biomass	BY_X	norm2
E0c	fisheries data	TCF	retained catc	biomass	BY_X	norm2
E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E0c	fisheries data	TCF	total catch	biomass	BY_X	norm2
E0c	fisheries data	TCF	total catch	biomass	BY_X	norm2
E0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial

E0c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

E0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

E0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

E0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E0c	growth data			EBS		gamma
E0c	growth data			EBS		gamma
E0c	growth data			EBS		gamma
E0c	growth data			EBS		gamma
E0c	growth data			Kodiak		gamma
E0c	growth data			Kodiak		gamma
E0c	growth data			Kodiak		gamma
E0c	growth data			Kodiak		gamma
E0c	growth data			Kodiak		gamma
E0c	growth data			Kodiak		gamma
E0c	growth data			Kodiak		gamma
E0c	growth data			Kodiak		gamma
E0c	growth data			Kodiak		gamma
E0c	growth data			Kodiak		gamma
E0c	growth data			Kodiak		gamma

E0c	growth data			Kodiak	gamma
E0c	growth data			Kodiak	gamma
E0c	growth data			Kodiak	gamma
E0c	growth data			Kodiak	gamma
E0c	growth data			Kodiak	gamma
E0c	growth data			Kodiak	gamma
E0c	growth data			Kodiak	gamma
E0c	growth data			Kodiak	gamma
E0c	growth data			Kodiak	gamma
E0c	growth data			Kodiak	gamma
E0c	growth data			Kodiak	gamma
E0c	growth data			Kodiak	gamma
E0c	growth data			Kodiak	gamma
E0c	growth data			Kodiak	gamma
E0c	growth data			Kodiak	gamma
E0c	growth data			Kodiak	gamma
E0c	growth data			Kodiak	gamma
E0c	maturity data			MATURITY_OGIVES	binomial
E0c	maturity data			MATURITY_OGIVES	binomial
E0c	maturity data			MATURITY_OGIVES	binomial
E0c	maturity data			MATURITY_OGIVES	binomial
E0c	maturity data			MATURITY_OGIVES	binomial
E0c	maturity data			MATURITY_OGIVES	binomial
E0c	maturity data			MATURITY_OGIVES	binomial
E0c	maturity data			MATURITY_OGIVES	binomial
E0c	maturity data			MATURITY_OGIVES	binomial
E0c	maturity data			MATURITY_OGIVES	binomial
E0c	maturity data			MATURITY_OGIVES	binomial
E0c	maturity data			MATURITY_OGIVES	binomial
E0c	maturity data			MATURITY_OGIVES	binomial
E0c	maturity data			MATURITY_OGIVES	binomial
E0c	maturity data			MATURITY_OGIVES	binomial
E0c	maturity data			MATURITY_OGIVES	binomial
E0c	maturity data			MATURITY_OGIVES	binomial
E0c	maturity data			MATURITY_OGIVES	binomial
E0c	maturity data			MATURITY_OGIVES	binomial
E0c	effort data	SCF	fishery	1	lognormal
E0c	effort data	SCF	fishery	1	lognormal

E0c	effort data	SCF	fishery		1	lognormal
E0c	effort data	SCF	fishery		1	lognormal
E0c	effort data	SCF	fishery		2	lognormal
E0c	effort data	SCF	fishery		2	lognormal
E0c	effort data	SCF	fishery		2	lognormal
E0c	effort data	SCF	fishery		2	lognormal
E0c	effort data	RKF	fishery		3	lognormal
E0c	effort data	RKF	fishery		3	lognormal
E0c	effort data	RKF	fishery		3	lognormal
E0c	effort data	RKF	fishery		3	lognormal
E0c	effort data	RKF	fishery		4	lognormal
E0c	effort data	RKF	fishery		4	lognormal
E0c	effort data	RKF	fishery		4	lognormal
E0c	effort data	RKF	fishery		4	lognormal
E1	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E1	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E1	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E1	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E1	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
E1	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
E1	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E1	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E1	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E1	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E1	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E1	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E1	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E1	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E1	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

E1	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

E1	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial

E1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1	fisheries data	TCF	total catch	biomass	BY_X	norm2
E1	fisheries data	TCF	total catch	biomass	BY_X	norm2
E1	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial

E1	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

E1	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data GTF	total catch	abundance	BY_TOTAL	none
E1	fisheries data GTF	total catch	biomass	BY_TOTAL	norm2
E1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

E1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

E1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1	fisheries data RKF	total catch	abundance	BY_X	none
E1	fisheries data RKF	total catch	abundance	BY_X	none
E1	fisheries data RKF	total catch	biomass	BY_X	norm2
E1	fisheries data RKF	total catch	biomass	BY_X	norm2
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data RKF	total catch	n.at.z	BY_X	multinomial

E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1	growth data			EBS		gamma
E1	growth data			EBS		gamma
E1	growth data			EBS		gamma
E1	growth data			EBS		gamma
E1	growth data			Kodiak		gamma
E1	growth data			Kodiak		gamma
E1	growth data			Kodiak		gamma
E1	growth data			Kodiak		gamma
E1	growth data			Kodiak		gamma
E1	growth data			Kodiak		gamma
E1	growth data			Kodiak		gamma
E1	growth data			Kodiak		gamma
E1	growth data			Kodiak		gamma
E1	growth data			Kodiak		gamma
E1	growth data			Kodiak		gamma
E1	growth data			Kodiak		gamma

E1	growth data			Kodiak	gamma
E1	growth data			Kodiak	gamma
E1	growth data			Kodiak	gamma
E1	growth data			Kodiak	gamma
E1	growth data			Kodiak	gamma
E1	growth data			Kodiak	gamma
E1	growth data			Kodiak	gamma
E1	growth data			Kodiak	gamma
E1	growth data			Kodiak	gamma
E1	growth data			Kodiak	gamma
E1	growth data			Kodiak	gamma
E1	growth data			Kodiak	gamma
E1	growth data			Kodiak	gamma
E1	growth data			Kodiak	gamma
E1	growth data			Kodiak	gamma
E1	growth data			Kodiak	gamma
E1	maturity data			MATURITY_OGIVES	binomial
E1	maturity data			MATURITY_OGIVES	binomial
E1	maturity data			MATURITY_OGIVES	binomial
E1	maturity data			MATURITY_OGIVES	binomial
E1	maturity data			MATURITY_OGIVES	binomial
E1	maturity data			MATURITY_OGIVES	binomial
E1	maturity data			MATURITY_OGIVES	binomial
E1	maturity data			MATURITY_OGIVES	binomial
E1	maturity data			MATURITY_OGIVES	binomial
E1	maturity data			MATURITY_OGIVES	binomial
E1	maturity data			MATURITY_OGIVES	binomial
E1	maturity data			MATURITY_OGIVES	binomial
E1	maturity data			MATURITY_OGIVES	binomial
E1	maturity data			MATURITY_OGIVES	binomial
E1	maturity data			MATURITY_OGIVES	binomial
E1	maturity data			MATURITY_OGIVES	binomial
E1	maturity data			MATURITY_OGIVES	binomial
E1	maturity data			MATURITY_OGIVES	binomial
E1	maturity data			MATURITY_OGIVES	binomial
E1	maturity data			MATURITY_OGIVES	binomial
E1	effort data	SCF	fishery	1	lognormal
E1	effort data	SCF	fishery	1	lognormal
E1	effort data	SCF	fishery	1	lognormal

E1	effort data	SCF	fishery		1	lognormal
E1	effort data	SCF	fishery		2	lognormal
E1	effort data	SCF	fishery		2	lognormal
E1	effort data	SCF	fishery		2	lognormal
E1	effort data	SCF	fishery		2	lognormal
E1	effort data	RKF	fishery		3	lognormal
E1	effort data	RKF	fishery		3	lognormal
E1	effort data	RKF	fishery		3	lognormal
E1	effort data	RKF	fishery		3	lognormal
E1	effort data	RKF	fishery		4	lognormal
E1	effort data	RKF	fishery		4	lognormal
E1	effort data	RKF	fishery		4	lognormal
E1	effort data	RKF	fishery		4	lognormal
E1b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E1b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E1b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E1b	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E1b	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
E1b	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
E1b	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E1b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E1b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E1b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E1b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E1b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E1b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E1b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E1b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

E1b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1b	fisheries data	TCF	retained catc	abundance	BY_X	none
E1b	fisheries data	TCF	retained catc	abundance	BY_X	none
E1b	fisheries data	TCF	retained catc	biomass	BY_X	norm2
E1b	fisheries data	TCF	retained catc	biomass	BY_X	norm2
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1b	fisheries data	TCF	total catch	biomass	BY_X	norm2
E1b	fisheries data	TCF	total catch	biomass	BY_X	norm2
E1b	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial

E1b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

E1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data GTF	total catch	abundance	BY_TOTAL	none
E1b	fisheries data GTF	total catch	biomass	BY_TOTAL	norm2
E1b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

E1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

E1b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1b	growth data			EBS		gamma
E1b	growth data			EBS		gamma
E1b	growth data			EBS		gamma
E1b	growth data			EBS		gamma
E1b	growth data			Kodiak		gamma
E1b	growth data			Kodiak		gamma
E1b	growth data			Kodiak		gamma
E1b	growth data			Kodiak		gamma
E1b	growth data			Kodiak		gamma
E1b	growth data			Kodiak		gamma
E1b	growth data			Kodiak		gamma
E1b	growth data			Kodiak		gamma
E1b	growth data			Kodiak		gamma
E1b	growth data			Kodiak		gamma
E1b	growth data			Kodiak		gamma
E1b	growth data			Kodiak		gamma
E1b	growth data			Kodiak		gamma

E1b	growth data			Kodiak	gamma
E1b	growth data			Kodiak	gamma
E1b	growth data			Kodiak	gamma
E1b	growth data			Kodiak	gamma
E1b	growth data			Kodiak	gamma
E1b	growth data			Kodiak	gamma
E1b	growth data			Kodiak	gamma
E1b	growth data			Kodiak	gamma
E1b	growth data			Kodiak	gamma
E1b	growth data			Kodiak	gamma
E1b	growth data			Kodiak	gamma
E1b	growth data			Kodiak	gamma
E1b	growth data			Kodiak	gamma
E1b	growth data			Kodiak	gamma
E1b	growth data			Kodiak	gamma
E1b	maturity data			MATURITY_OGIVES	binomial
E1b	maturity data			MATURITY_OGIVES	binomial
E1b	maturity data			MATURITY_OGIVES	binomial
E1b	maturity data			MATURITY_OGIVES	binomial
E1b	maturity data			MATURITY_OGIVES	binomial
E1b	maturity data			MATURITY_OGIVES	binomial
E1b	maturity data			MATURITY_OGIVES	binomial
E1b	maturity data			MATURITY_OGIVES	binomial
E1b	maturity data			MATURITY_OGIVES	binomial
E1b	maturity data			MATURITY_OGIVES	binomial
E1b	maturity data			MATURITY_OGIVES	binomial
E1b	maturity data			MATURITY_OGIVES	binomial
E1b	maturity data			MATURITY_OGIVES	binomial
E1b	maturity data			MATURITY_OGIVES	binomial
E1b	maturity data			MATURITY_OGIVES	binomial
E1b	maturity data			MATURITY_OGIVES	binomial
E1b	maturity data			MATURITY_OGIVES	binomial
E1b	maturity data			MATURITY_OGIVES	binomial
E1b	maturity data			MATURITY_OGIVES	binomial
E1b	maturity data			MATURITY_OGIVES	binomial
E1b	effort data	SCF	fishery	1	lognormal
E1b	effort data	SCF	fishery	1	lognormal
E1b	effort data	SCF	fishery	1	lognormal
E1b	effort data	SCF	fishery	1	lognormal

E1b	effort data	SCF	fishery		2	lognormal
E1b	effort data	SCF	fishery		2	lognormal
E1b	effort data	SCF	fishery		2	lognormal
E1b	effort data	SCF	fishery		2	lognormal
E1b	effort data	RKF	fishery		3	lognormal
E1b	effort data	RKF	fishery		3	lognormal
E1b	effort data	RKF	fishery		3	lognormal
E1b	effort data	RKF	fishery		3	lognormal
E1b	effort data	RKF	fishery		4	lognormal
E1b	effort data	RKF	fishery		4	lognormal
E1b	effort data	RKF	fishery		4	lognormal
E1b	effort data	RKF	fishery		4	lognormal
E1c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E1c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E1c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E1c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
E1c	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
E1c	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
E1c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
E1c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E1c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E1c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E1c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
E1c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E1c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E1c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E1c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

E1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E1c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
E1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

E1c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

E1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
E1c	fisheries data	TCF	retained catc	abundance	BY_X	none
E1c	fisheries data	TCF	retained catc	abundance	BY_X	none
E1c	fisheries data	TCF	retained catc	biomass	BY_X	norm2
E1c	fisheries data	TCF	retained catc	biomass	BY_X	norm2
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	biomass	BY_X	norm2
E1c	fisheries data	TCF	total catch	biomass	BY_X	norm2
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	SCF	total catch	abundance	BY_X	none
E1c	fisheries data	SCF	total catch	abundance	BY_X	none
E1c	fisheries data	SCF	total catch	biomass	BY_X	norm2
E1c	fisheries data	SCF	total catch	biomass	BY_X	norm2
E1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

E1c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

E1c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data GTF	total catch	abundance	BY_TOTAL	none
E1c	fisheries data GTF	total catch	biomass	BY_TOTAL	norm2
E1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

E1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

E1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial
E1c	fisheries data RKF	total catch	abundance	BY_X	none
E1c	fisheries data RKF	total catch	abundance	BY_X	none
E1c	fisheries data RKF	total catch	biomass	BY_X	norm2
E1c	fisheries data RKF	total catch	biomass	BY_X	norm2
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data RKF	total catch	n.at.z	BY_X	multinomial

E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
E1c	growth data			EBS		gamma
E1c	growth data			EBS		gamma
E1c	growth data			EBS		gamma
E1c	growth data			EBS		gamma
E1c	growth data			Kodiak		gamma
E1c	growth data			Kodiak		gamma
E1c	growth data			Kodiak		gamma
E1c	growth data			Kodiak		gamma
E1c	growth data			Kodiak		gamma
E1c	growth data			Kodiak		gamma
E1c	growth data			Kodiak		gamma
E1c	growth data			Kodiak		gamma
E1c	growth data			Kodiak		gamma
E1c	growth data			Kodiak		gamma
E1c	growth data			Kodiak		gamma
E1c	growth data			Kodiak		gamma
E1c	growth data			Kodiak		gamma
E1c	growth data			Kodiak		gamma

E1c	growth data			Kodiak	gamma
E1c	growth data			Kodiak	gamma
E1c	growth data			Kodiak	gamma
E1c	growth data			Kodiak	gamma
E1c	growth data			Kodiak	gamma
E1c	growth data			Kodiak	gamma
E1c	growth data			Kodiak	gamma
E1c	growth data			Kodiak	gamma
E1c	growth data			Kodiak	gamma
E1c	growth data			Kodiak	gamma
E1c	growth data			Kodiak	gamma
E1c	growth data			Kodiak	gamma
E1c	growth data			Kodiak	gamma
E1c	growth data			Kodiak	gamma
E1c	maturity data			MATURITY_OGIVES	binomial
E1c	maturity data			MATURITY_OGIVES	binomial
E1c	maturity data			MATURITY_OGIVES	binomial
E1c	maturity data			MATURITY_OGIVES	binomial
E1c	maturity data			MATURITY_OGIVES	binomial
E1c	maturity data			MATURITY_OGIVES	binomial
E1c	maturity data			MATURITY_OGIVES	binomial
E1c	maturity data			MATURITY_OGIVES	binomial
E1c	maturity data			MATURITY_OGIVES	binomial
E1c	maturity data			MATURITY_OGIVES	binomial
E1c	maturity data			MATURITY_OGIVES	binomial
E1c	maturity data			MATURITY_OGIVES	binomial
E1c	maturity data			MATURITY_OGIVES	binomial
E1c	maturity data			MATURITY_OGIVES	binomial
E1c	maturity data			MATURITY_OGIVES	binomial
E1c	maturity data			MATURITY_OGIVES	binomial
E1c	maturity data			MATURITY_OGIVES	binomial
E1c	maturity data			MATURITY_OGIVES	binomial
E1c	maturity data			MATURITY_OGIVES	binomial
E1c	maturity data			MATURITY_OGIVES	binomial
E1c	effort data	SCF	fishery	1	lognormal
E1c	effort data	SCF	fishery	1	lognormal
E1c	effort data	SCF	fishery	1	lognormal
E1c	effort data	SCF	fishery	1	lognormal
E1c	effort data	SCF	fishery	2	lognormal

E1c	effort data	SCF	fishery		2	lognormal
E1c	effort data	SCF	fishery		2	lognormal
E1c	effort data	SCF	fishery		2	lognormal
E1c	effort data	RKF	fishery		3	lognormal
E1c	effort data	RKF	fishery		3	lognormal
E1c	effort data	RKF	fishery		3	lognormal
E1c	effort data	RKF	fishery		3	lognormal
E1c	effort data	RKF	fishery		4	lognormal
E1c	effort data	RKF	fishery		4	lognormal
E1c	effort data	RKF	fishery		4	lognormal
E1c	effort data	RKF	fishery		4	lognormal
F0	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
F0	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
F0	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
F0	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
F0	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
F0	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
F0	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
F0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
F0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
F0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
F0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
F0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
F0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
F0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

F0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
F0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
F0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
F0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
F0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

F0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

F0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0	fisheries data	TCF	retained catc	abundance	BY_X	none
F0	fisheries data	TCF	retained catc	abundance	BY_X	none
F0	fisheries data	TCF	retained catc	biomass	BY_X	norm2
F0	fisheries data	TCF	retained catc	biomass	BY_X	norm2
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	biomass	BY_X	norm2
F0	fisheries data	TCF	total catch	biomass	BY_X	norm2
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	SCF	total catch	abundance	BY_X	none
F0	fisheries data	SCF	total catch	abundance	BY_X	none
F0	fisheries data	SCF	total catch	biomass	BY_X	norm2
F0	fisheries data	SCF	total catch	biomass	BY_X	norm2
F0	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

F0	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

F0	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data GTF	total catch	abundance	BY_TOTAL	none
F0	fisheries data GTF	total catch	biomass	BY_TOTAL	norm2
F0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

F0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

F0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0	growth data			EBS		gamma
F0	growth data			EBS		gamma
F0	growth data			EBS		gamma
F0	growth data			EBS		gamma
F0	growth data			Kodiak		gamma
F0	growth data			Kodiak		gamma
F0	growth data			Kodiak		gamma
F0	growth data			Kodiak		gamma
F0	growth data			Kodiak		gamma
F0	growth data			Kodiak		gamma
F0	growth data			Kodiak		gamma
F0	growth data			Kodiak		gamma
F0	growth data			Kodiak		gamma
F0	growth data			Kodiak		gamma
F0	growth data			Kodiak		gamma
F0	growth data			Kodiak		gamma
F0	growth data			Kodiak		gamma
F0	growth data			Kodiak		gamma
F0	growth data			Kodiak		gamma

F0	growth data			Kodiak	gamma
F0	growth data			Kodiak	gamma
F0	growth data			Kodiak	gamma
F0	growth data			Kodiak	gamma
F0	growth data			Kodiak	gamma
F0	growth data			Kodiak	gamma
F0	growth data			Kodiak	gamma
F0	growth data			Kodiak	gamma
F0	growth data			Kodiak	gamma
F0	growth data			Kodiak	gamma
F0	growth data			Kodiak	gamma
F0	growth data			Kodiak	gamma
F0	growth data			Kodiak	gamma
F0	maturity data			MATURITY_OGIVES	binomial
F0	maturity data			MATURITY_OGIVES	binomial
F0	maturity data			MATURITY_OGIVES	binomial
F0	maturity data			MATURITY_OGIVES	binomial
F0	maturity data			MATURITY_OGIVES	binomial
F0	maturity data			MATURITY_OGIVES	binomial
F0	maturity data			MATURITY_OGIVES	binomial
F0	maturity data			MATURITY_OGIVES	binomial
F0	maturity data			MATURITY_OGIVES	binomial
F0	maturity data			MATURITY_OGIVES	binomial
F0	maturity data			MATURITY_OGIVES	binomial
F0	maturity data			MATURITY_OGIVES	binomial
F0	maturity data			MATURITY_OGIVES	binomial
F0	maturity data			MATURITY_OGIVES	binomial
F0	maturity data			MATURITY_OGIVES	binomial
F0	maturity data			MATURITY_OGIVES	binomial
F0	maturity data			MATURITY_OGIVES	binomial
F0	maturity data			MATURITY_OGIVES	binomial
F0	maturity data			MATURITY_OGIVES	binomial
F0	maturity data			MATURITY_OGIVES	binomial
F0	effort data	SCF	fishery	1	lognormal
F0	effort data	SCF	fishery	1	lognormal
F0	effort data	SCF	fishery	1	lognormal
F0	effort data	SCF	fishery	1	lognormal
F0	effort data	SCF	fishery	2	lognormal
F0	effort data	SCF	fishery	2	lognormal

F0	effort data	SCF	fishery		2	lognormal
F0	effort data	SCF	fishery		2	lognormal
F0	effort data	RKF	fishery		3	lognormal
F0	effort data	RKF	fishery		3	lognormal
F0	effort data	RKF	fishery		3	lognormal
F0	effort data	RKF	fishery		3	lognormal
F0	effort data	RKF	fishery		4	lognormal
F0	effort data	RKF	fishery		4	lognormal
F0	effort data	RKF	fishery		4	lognormal
F0	effort data	RKF	fishery		4	lognormal
F0a	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
F0a	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
F0a	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
F0a	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
F0a	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
F0a	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial
F0a	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
F0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
F0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
F0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
F0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
F0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
F0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
F0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

F0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
F0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
F0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
F0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

F0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

F0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0a	fisheries data	TCF	retained catc	abundance	BY_X	none
F0a	fisheries data	TCF	retained catc	abundance	BY_X	none
F0a	fisheries data	TCF	retained catc	biomass	BY_X	norm2
F0a	fisheries data	TCF	retained catc	biomass	BY_X	norm2
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	biomass	BY_X	norm2
F0a	fisheries data	TCF	total catch	biomass	BY_X	norm2
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	SCF	total catch	abundance	BY_X	none
F0a	fisheries data	SCF	total catch	abundance	BY_X	none
F0a	fisheries data	SCF	total catch	biomass	BY_X	norm2
F0a	fisheries data	SCF	total catch	biomass	BY_X	norm2
F0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

F0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

F0a	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data GTF	total catch	abundance	BY_TOTAL	none
F0a	fisheries data GTF	total catch	biomass	BY_TOTAL	norm2
F0a	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

F0a	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

F0a	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

F0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0a	growth data			EBS		gamma
F0a	growth data			EBS		gamma
F0a	growth data			EBS		gamma
F0a	growth data			EBS		gamma
F0a	growth data			Kodiak		gamma
F0a	growth data			Kodiak		gamma
F0a	growth data			Kodiak		gamma
F0a	growth data			Kodiak		gamma
F0a	growth data			Kodiak		gamma
F0a	growth data			Kodiak		gamma
F0a	growth data			Kodiak		gamma
F0a	growth data			Kodiak		gamma
F0a	growth data			Kodiak		gamma
F0a	growth data			Kodiak		gamma
F0a	growth data			Kodiak		gamma
F0a	growth data			Kodiak		gamma
F0a	growth data			Kodiak		gamma
F0a	growth data			Kodiak		gamma
F0a	growth data			Kodiak		gamma
F0a	growth data			Kodiak		gamma

F0a	growth data			Kodiak	gamma
F0a	growth data			Kodiak	gamma
F0a	growth data			Kodiak	gamma
F0a	growth data			Kodiak	gamma
F0a	growth data			Kodiak	gamma
F0a	growth data			Kodiak	gamma
F0a	growth data			Kodiak	gamma
F0a	growth data			Kodiak	gamma
F0a	growth data			Kodiak	gamma
F0a	growth data			Kodiak	gamma
F0a	growth data			Kodiak	gamma
F0a	growth data			Kodiak	gamma
F0a	growth data			Kodiak	gamma
F0a	maturity data			MATURITY_OGIVES	binomial
F0a	maturity data			MATURITY_OGIVES	binomial
F0a	maturity data			MATURITY_OGIVES	binomial
F0a	maturity data			MATURITY_OGIVES	binomial
F0a	maturity data			MATURITY_OGIVES	binomial
F0a	maturity data			MATURITY_OGIVES	binomial
F0a	maturity data			MATURITY_OGIVES	binomial
F0a	maturity data			MATURITY_OGIVES	binomial
F0a	maturity data			MATURITY_OGIVES	binomial
F0a	maturity data			MATURITY_OGIVES	binomial
F0a	maturity data			MATURITY_OGIVES	binomial
F0a	maturity data			MATURITY_OGIVES	binomial
F0a	maturity data			MATURITY_OGIVES	binomial
F0a	maturity data			MATURITY_OGIVES	binomial
F0a	maturity data			MATURITY_OGIVES	binomial
F0a	maturity data			MATURITY_OGIVES	binomial
F0a	maturity data			MATURITY_OGIVES	binomial
F0a	maturity data			MATURITY_OGIVES	binomial
F0a	maturity data			MATURITY_OGIVES	binomial
F0a	maturity data			MATURITY_OGIVES	binomial
F0a	effort data	SCF	fishery	1	lognormal
F0a	effort data	SCF	fishery	1	lognormal
F0a	effort data	SCF	fishery	1	lognormal
F0a	effort data	SCF	fishery	1	lognormal
F0a	effort data	SCF	fishery	2	lognormal
F0a	effort data	SCF	fishery	2	lognormal
F0a	effort data	SCF	fishery	2	lognormal

F0a	effort data	SCF	fishery		2	lognormal
F0a	effort data	RKF	fishery		3	lognormal
F0a	effort data	RKF	fishery		3	lognormal
F0a	effort data	RKF	fishery		3	lognormal
F0a	effort data	RKF	fishery		3	lognormal
F0a	effort data	RKF	fishery		4	lognormal
F0a	effort data	RKF	fishery		4	lognormal
F0a	effort data	RKF	fishery		4	lognormal
F0a	effort data	RKF	fishery		4	lognormal
F0c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
F0c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
F0c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
F0c	surveys data	NMFS trawl s	index	catch	abundance	BY_XM lognormal
F0c	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
F0c	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI lognormal
F0c	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME multinomial

F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
F0c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
F0c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
F0c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
F0c	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
F0c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
F0c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
F0c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
F0c	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

F0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
F0c	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
F0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0c	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

F0c	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

F0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0c	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
F0c	fisheries data	TCF	retained catc	abundance	BY_X	none
F0c	fisheries data	TCF	retained catc	abundance	BY_X	none
F0c	fisheries data	TCF	retained catc	biomass	BY_X	norm2
F0c	fisheries data	TCF	retained catc	biomass	BY_X	norm2
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial

F0c	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	biomass	BY_X	norm2
F0c	fisheries data	TCF	total catch	biomass	BY_X	norm2
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	SCF	total catch	abundance	BY_X	none
F0c	fisheries data	SCF	total catch	abundance	BY_X	none
F0c	fisheries data	SCF	total catch	biomass	BY_X	norm2
F0c	fisheries data	SCF	total catch	biomass	BY_X	norm2
F0c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

F0c	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

F0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data GTF	total catch	abundance	BY_TOTAL	none
F0c	fisheries data GTF	total catch	biomass	BY_TOTAL	norm2
F0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

F0c	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

F0c	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

F0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0c	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
F0c	growth data			EBS		gamma
F0c	growth data			EBS		gamma
F0c	growth data			EBS		gamma
F0c	growth data			EBS		gamma
F0c	growth data			Kodiak		gamma
F0c	growth data			Kodiak		gamma
F0c	growth data			Kodiak		gamma
F0c	growth data			Kodiak		gamma
F0c	growth data			Kodiak		gamma
F0c	growth data			Kodiak		gamma
F0c	growth data			Kodiak		gamma
F0c	growth data			Kodiak		gamma
F0c	growth data			Kodiak		gamma
F0c	growth data			Kodiak		gamma
F0c	growth data			Kodiak		gamma
F0c	growth data			Kodiak		gamma
F0c	growth data			Kodiak		gamma
F0c	growth data			Kodiak		gamma
F0c	growth data			Kodiak		gamma
F0c	growth data			Kodiak		gamma

F0c	growth data			Kodiak	gamma
F0c	growth data			Kodiak	gamma
F0c	growth data			Kodiak	gamma
F0c	growth data			Kodiak	gamma
F0c	growth data			Kodiak	gamma
F0c	growth data			Kodiak	gamma
F0c	growth data			Kodiak	gamma
F0c	growth data			Kodiak	gamma
F0c	growth data			Kodiak	gamma
F0c	growth data			Kodiak	gamma
F0c	growth data			Kodiak	gamma
F0c	maturity data			MATURITY_OGIVES	binomial
F0c	maturity data			MATURITY_OGIVES	binomial
F0c	maturity data			MATURITY_OGIVES	binomial
F0c	maturity data			MATURITY_OGIVES	binomial
F0c	maturity data			MATURITY_OGIVES	binomial
F0c	maturity data			MATURITY_OGIVES	binomial
F0c	maturity data			MATURITY_OGIVES	binomial
F0c	maturity data			MATURITY_OGIVES	binomial
F0c	maturity data			MATURITY_OGIVES	binomial
F0c	maturity data			MATURITY_OGIVES	binomial
F0c	maturity data			MATURITY_OGIVES	binomial
F0c	maturity data			MATURITY_OGIVES	binomial
F0c	maturity data			MATURITY_OGIVES	binomial
F0c	maturity data			MATURITY_OGIVES	binomial
F0c	maturity data			MATURITY_OGIVES	binomial
F0c	maturity data			MATURITY_OGIVES	binomial
F0c	maturity data			MATURITY_OGIVES	binomial
F0c	maturity data			MATURITY_OGIVES	binomial
F0c	maturity data			MATURITY_OGIVES	binomial
F0c	maturity data			MATURITY_OGIVES	binomial
F0c	effort data	SCF	fishery	1	lognormal
F0c	effort data	SCF	fishery	1	lognormal
F0c	effort data	SCF	fishery	1	lognormal
F0c	effort data	SCF	fishery	1	lognormal
F0c	effort data	SCF	fishery	2	lognormal
F0c	effort data	SCF	fishery	2	lognormal
F0c	effort data	SCF	fishery	2	lognormal
F0c	effort data	SCF	fishery	2	lognormal

F0c	effort data	RKF	fishery		3	lognormal
F0c	effort data	RKF	fishery		3	lognormal
F0c	effort data	RKF	fishery		3	lognormal
F0c	effort data	RKF	fishery		3	lognormal
F0c	effort data	RKF	fishery		4	lognormal
F0c	effort data	RKF	fishery		4	lognormal
F0c	effort data	RKF	fishery		4	lognormal
F0c	effort data	RKF	fishery		4	lognormal
G0	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0	surveys data	NMFS trawl s	index catch	biomass	BY_X_MATOI	lognormal
G0	surveys data	NMFS trawl s	index catch	biomass	BY_X_MATOI	lognormal
G0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial

G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal

G0	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

G0	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

G0	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial

G0	fisheries data TCF	total catch	biomass	BY_X	lognormal
G0	fisheries data TCF	total catch	biomass	BY_X	lognormal
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data SCF	total catch	abundance	BY_X	lognormal
G0	fisheries data SCF	total catch	abundance	BY_X	lognormal
G0	fisheries data SCF	total catch	biomass	BY_X	lognormal
G0	fisheries data SCF	total catch	biomass	BY_X	lognormal
G0	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

G0	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

G0	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data GTF	total catch	abundance	BY_TOTAL	lognormal
G0	fisheries data GTF	total catch	biomass	BY_TOTAL	lognormal
G0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

G0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

G0	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

G0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0	growth data			EBS		gamma
G0	growth data			EBS		gamma
G0	growth data			EBS		gamma
G0	growth data			EBS		gamma
G0	growth data			Kodiak		gamma
G0	growth data			Kodiak		gamma
G0	growth data			Kodiak		gamma
G0	growth data			Kodiak		gamma
G0	growth data			Kodiak		gamma
G0	growth data			Kodiak		gamma
G0	growth data			Kodiak		gamma
G0	growth data			Kodiak		gamma
G0	growth data			Kodiak		gamma
G0	growth data			Kodiak		gamma
G0	growth data			Kodiak		gamma
G0	growth data			Kodiak		gamma
G0	growth data			Kodiak		gamma
G0	growth data			Kodiak		gamma
G0	growth data			Kodiak		gamma
G0	growth data			Kodiak		gamma
G0	growth data			Kodiak		gamma

G0	growth data			Kodiak	gamma
G0	growth data			Kodiak	gamma
G0	growth data			Kodiak	gamma
G0	growth data			Kodiak	gamma
G0	growth data			Kodiak	gamma
G0	growth data			Kodiak	gamma
G0	growth data			Kodiak	gamma
G0	growth data			Kodiak	gamma
G0	growth data			Kodiak	gamma
G0	growth data			Kodiak	gamma
G0	growth data			Kodiak	gamma
G0	maturity data			MATURITY_OGIVES	binomial
G0	maturity data			MATURITY_OGIVES	binomial
G0	maturity data			MATURITY_OGIVES	binomial
G0	maturity data			MATURITY_OGIVES	binomial
G0	maturity data			MATURITY_OGIVES	binomial
G0	maturity data			MATURITY_OGIVES	binomial
G0	maturity data			MATURITY_OGIVES	binomial
G0	maturity data			MATURITY_OGIVES	binomial
G0	maturity data			MATURITY_OGIVES	binomial
G0	maturity data			MATURITY_OGIVES	binomial
G0	maturity data			MATURITY_OGIVES	binomial
G0	maturity data			MATURITY_OGIVES	binomial
G0	maturity data			MATURITY_OGIVES	binomial
G0	maturity data			MATURITY_OGIVES	binomial
G0	maturity data			MATURITY_OGIVES	binomial
G0	maturity data			MATURITY_OGIVES	binomial
G0	maturity data			MATURITY_OGIVES	binomial
G0	maturity data			MATURITY_OGIVES	binomial
G0	maturity data			MATURITY_OGIVES	binomial
G0	maturity data			MATURITY_OGIVES	binomial
G0	maturity data			MATURITY_OGIVES	binomial
G0	effort data	SCF	fishery	1	lognormal
G0	effort data	SCF	fishery	1	lognormal
G0	effort data	SCF	fishery	1	lognormal
G0	effort data	SCF	fishery	1	lognormal
G0	effort data	SCF	fishery	2	lognormal
G0	effort data	SCF	fishery	2	lognormal
G0	effort data	SCF	fishery	2	lognormal
G0	effort data	SCF	fishery	2	lognormal
G0	effort data	RKF	fishery	3	lognormal

G0	effort data	RKF	fishery		3	lognormal
G0	effort data	RKF	fishery		3	lognormal
G0	effort data	RKF	fishery		3	lognormal
G0	effort data	RKF	fishery		4	lognormal
G0	effort data	RKF	fishery		4	lognormal
G0	effort data	RKF	fishery		4	lognormal
G0	effort data	RKF	fishery		4	lognormal
G0a	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0a	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0a	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0a	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0a	surveys data	NMFS trawl s	index catch	biomass	BY_X_MATOI	lognormal
G0a	surveys data	NMFS trawl s	index catch	biomass	BY_X_MATOI	lognormal
G0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial

G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0a	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0a	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0a	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal

G0a	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal

G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

G0a	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

G0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
G0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
G0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
G0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
G0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
G0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
G0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
G0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
G0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
G0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
G0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
G0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
G0a	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial
G0a	fisheries data	TCF	retained catc	abundance	BY_X	lognormal
G0a	fisheries data	TCF	retained catc	abundance	BY_X	lognormal
G0a	fisheries data	TCF	retained catc	biomass	BY_X	lognormal
G0a	fisheries data	TCF	retained catc	biomass	BY_X	lognormal
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	retained catc	n.at.z	BY_X	multinomial
G0a	fisheries data	TCF	total catch	biomass	BY_X	lognormal

G0a	fisheries data TCF	total catch	biomass	BY_X	lognormal
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data SCF	total catch	abundance	BY_X	lognormal
G0a	fisheries data SCF	total catch	abundance	BY_X	lognormal
G0a	fisheries data SCF	total catch	biomass	BY_X	lognormal
G0a	fisheries data SCF	total catch	biomass	BY_X	lognormal
G0a	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

G0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

G0a	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data	GTF	total catch	abundance	BY_TOTAL	lognormal
G0a	fisheries data	GTF	total catch	biomass	BY_TOTAL	lognormal
G0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

G0a	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

G0a	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

G0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0a	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0a	growth data			EBS		gamma
G0a	growth data			EBS		gamma
G0a	growth data			EBS		gamma
G0a	growth data			EBS		gamma
G0a	growth data			Kodiak		gamma
G0a	growth data			Kodiak		gamma
G0a	growth data			Kodiak		gamma
G0a	growth data			Kodiak		gamma
G0a	growth data			Kodiak		gamma
G0a	growth data			Kodiak		gamma
G0a	growth data			Kodiak		gamma
G0a	growth data			Kodiak		gamma
G0a	growth data			Kodiak		gamma
G0a	growth data			Kodiak		gamma
G0a	growth data			Kodiak		gamma
G0a	growth data			Kodiak		gamma
G0a	growth data			Kodiak		gamma
G0a	growth data			Kodiak		gamma
G0a	growth data			Kodiak		gamma
G0a	growth data			Kodiak		gamma
G0a	growth data			Kodiak		gamma
G0a	growth data			Kodiak		gamma

G0a	growth data			Kodiak	gamma
G0a	growth data			Kodiak	gamma
G0a	growth data			Kodiak	gamma
G0a	growth data			Kodiak	gamma
G0a	growth data			Kodiak	gamma
G0a	growth data			Kodiak	gamma
G0a	growth data			Kodiak	gamma
G0a	growth data			Kodiak	gamma
G0a	growth data			Kodiak	gamma
G0a	growth data			Kodiak	gamma
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	maturity data			MATURITY_OGIVES	binomial
G0a	effort data	SCF	fishery	1	lognormal
G0a	effort data	SCF	fishery	1	lognormal
G0a	effort data	SCF	fishery	1	lognormal
G0a	effort data	SCF	fishery	1	lognormal
G0a	effort data	SCF	fishery	2	lognormal
G0a	effort data	SCF	fishery	2	lognormal
G0a	effort data	SCF	fishery	2	lognormal
G0a	effort data	SCF	fishery	2	lognormal
G0a	effort data	RKF	fishery	3	lognormal
G0a	effort data	RKF	fishery	3	lognormal

G0a	effort data	RKF	fishery		3	lognormal
G0a	effort data	RKF	fishery		3	lognormal
G0a	effort data	RKF	fishery		4	lognormal
G0a	effort data	RKF	fishery		4	lognormal
G0a	effort data	RKF	fishery		4	lognormal
G0a	effort data	RKF	fishery		4	lognormal
G0b	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0b	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0b	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0b	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0b	surveys data	NMFS trawl s	index catch	biomass	BY_X_MATOI	lognormal
G0b	surveys data	NMFS trawl s	index catch	biomass	BY_X_MATOI	lognormal
G0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial

G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0b	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0b	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0b	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal

G0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0b	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

G0b	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

G0b	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial

G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data SCF	total catch	abundance	BY_X	lognormal
G0b	fisheries data SCF	total catch	abundance	BY_X	lognormal
G0b	fisheries data SCF	total catch	biomass	BY_X	lognormal
G0b	fisheries data SCF	total catch	biomass	BY_X	lognormal
G0b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

G0b	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

G0b	fisheries data GTF	total catch	abundance	BY_TOTAL	lognormal
G0b	fisheries data GTF	total catch	biomass	BY_TOTAL	lognormal
G0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

G0b	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

G0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0b	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0b	fisheries data	RKF	total catch	abundance	BY_X	lognormal
G0b	fisheries data	RKF	total catch	abundance	BY_X	lognormal
G0b	fisheries data	RKF	total catch	biomass	BY_X	lognormal
G0b	fisheries data	RKF	total catch	biomass	BY_X	lognormal
G0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

G0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0b	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0b	growth data			EBS		gamma
G0b	growth data			EBS		gamma
G0b	growth data			EBS		gamma
G0b	growth data			EBS		gamma
G0b	growth data			Kodiak		gamma
G0b	growth data			Kodiak		gamma
G0b	growth data			Kodiak		gamma
G0b	growth data			Kodiak		gamma
G0b	growth data			Kodiak		gamma
G0b	growth data			Kodiak		gamma
G0b	growth data			Kodiak		gamma
G0b	growth data			Kodiak		gamma
G0b	growth data			Kodiak		gamma
G0b	growth data			Kodiak		gamma
G0b	growth data			Kodiak		gamma
G0b	growth data			Kodiak		gamma
G0b	growth data			Kodiak		gamma
G0b	growth data			Kodiak		gamma
G0b	growth data			Kodiak		gamma
G0b	growth data			Kodiak		gamma
G0b	growth data			Kodiak		gamma
G0b	growth data			Kodiak		gamma
G0b	growth data			Kodiak		gamma
G0b	growth data			Kodiak		gamma
G0b	growth data			Kodiak		gamma

G0b	growth data			Kodiak	gamma
G0b	growth data			Kodiak	gamma
G0b	growth data			Kodiak	gamma
G0b	growth data			Kodiak	gamma
G0b	growth data			Kodiak	gamma
G0b	growth data			Kodiak	gamma
G0b	growth data			Kodiak	gamma
G0b	growth data			Kodiak	gamma
G0b	growth data			Kodiak	gamma
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	maturity data			MATURITY_OGIVES	binomial
G0b	effort data	SCF	fishery	1	lognormal
G0b	effort data	SCF	fishery	1	lognormal
G0b	effort data	SCF	fishery	1	lognormal
G0b	effort data	SCF	fishery	1	lognormal
G0b	effort data	SCF	fishery	2	lognormal
G0b	effort data	SCF	fishery	2	lognormal
G0b	effort data	SCF	fishery	2	lognormal
G0b	effort data	SCF	fishery	2	lognormal
G0b	effort data	RKF	fishery	3	lognormal
G0b	effort data	RKF	fishery	3	lognormal
G0b	effort data	RKF	fishery	3	lognormal

G0b	effort data	RKF	fishery		3	lognormal
G0b	effort data	RKF	fishery		4	lognormal
G0b	effort data	RKF	fishery		4	lognormal
G0b	effort data	RKF	fishery		4	lognormal
G0b	effort data	RKF	fishery		4	lognormal
G0bd	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0bd	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0bd	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0bd	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0bd	surveys data	NMFS trawl s	index catch	biomass	BY_X_MATOI	lognormal
G0bd	surveys data	NMFS trawl s	index catch	biomass	BY_X_MATOI	lognormal
G0bd	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial

G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bd	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0bd	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0bd	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0bd	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0bd	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0bd	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0bd	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0bd	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bd	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bd	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bd	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bd	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bd	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bd	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bd	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bd	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bd	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bd	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal

G0bd	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bd	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bd	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bd	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bd	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bd	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

G0bd	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

G0bd	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial

G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data SCF	total catch	abundance	BY_X	lognormal
G0bd	fisheries data SCF	total catch	abundance	BY_X	lognormal
G0bd	fisheries data SCF	total catch	biomass	BY_X	lognormal
G0bd	fisheries data SCF	total catch	biomass	BY_X	lognormal
G0bd	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

G0bd	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

G0bd	fisheries data GTF	total catch	biomass	BY_TOTAL	lognormal
G0bd	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

G0bd	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

G0bd	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bd	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bd	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bd	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bd	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bd	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bd	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bd	fisheries data	RKF	total catch	abundance	BY_X	lognormal
G0bd	fisheries data	RKF	total catch	abundance	BY_X	lognormal
G0bd	fisheries data	RKF	total catch	biomass	BY_X	lognormal
G0bd	fisheries data	RKF	total catch	biomass	BY_X	lognormal
G0bd	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

G0bd	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bd	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bd	growth data			EBS		gamma
G0bd	growth data			EBS		gamma
G0bd	growth data			EBS		gamma
G0bd	growth data			EBS		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma
G0bd	growth data			Kodiak		gamma

G0bd	growth data			Kodiak	gamma
G0bd	growth data			Kodiak	gamma
G0bd	growth data			Kodiak	gamma
G0bd	growth data			Kodiak	gamma
G0bd	growth data			Kodiak	gamma
G0bd	growth data			Kodiak	gamma
G0bd	growth data			Kodiak	gamma
G0bd	growth data			Kodiak	gamma
G0bd	maturity data			MATURITY_OGIVES	binomial
G0bd	maturity data			MATURITY_OGIVES	binomial
G0bd	maturity data			MATURITY_OGIVES	binomial
G0bd	maturity data			MATURITY_OGIVES	binomial
G0bd	maturity data			MATURITY_OGIVES	binomial
G0bd	maturity data			MATURITY_OGIVES	binomial
G0bd	maturity data			MATURITY_OGIVES	binomial
G0bd	maturity data			MATURITY_OGIVES	binomial
G0bd	maturity data			MATURITY_OGIVES	binomial
G0bd	maturity data			MATURITY_OGIVES	binomial
G0bd	maturity data			MATURITY_OGIVES	binomial
G0bd	maturity data			MATURITY_OGIVES	binomial
G0bd	maturity data			MATURITY_OGIVES	binomial
G0bd	maturity data			MATURITY_OGIVES	binomial
G0bd	maturity data			MATURITY_OGIVES	binomial
G0bd	maturity data			MATURITY_OGIVES	binomial
G0bd	maturity data			MATURITY_OGIVES	binomial
G0bd	maturity data			MATURITY_OGIVES	binomial
G0bd	maturity data			MATURITY_OGIVES	binomial
G0bd	maturity data			MATURITY_OGIVES	binomial
G0bd	effort data	SCF	fishery	1	lognormal
G0bd	effort data	SCF	fishery	1	lognormal
G0bd	effort data	SCF	fishery	1	lognormal
G0bd	effort data	SCF	fishery	1	lognormal
G0bd	effort data	SCF	fishery	2	lognormal
G0bd	effort data	SCF	fishery	2	lognormal
G0bd	effort data	SCF	fishery	2	lognormal
G0bd	effort data	SCF	fishery	2	lognormal
G0bd	effort data	RKF	fishery	3	lognormal
G0bd	effort data	RKF	fishery	3	lognormal
G0bd	effort data	RKF	fishery	3	lognormal
G0bd	effort data	RKF	fishery	3	lognormal

G0bd	effort data	RKF	fishery		4	lognormal
G0bd	effort data	RKF	fishery		4	lognormal
G0bd	effort data	RKF	fishery		4	lognormal
G0bd	effort data	RKF	fishery		4	lognormal
G0bde	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0bde	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0bde	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0bde	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0bde	surveys data	NMFS trawl s	index catch	biomass	BY_X_MATOI	lognormal
G0bde	surveys data	NMFS trawl s	index catch	biomass	BY_X_MATOI	lognormal
G0bde	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial

G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0bde	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0bde	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0bde	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0bde	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0bde	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0bde	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0bde	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal

G0bde	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

G0bde	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

G0bde	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial

G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data SCF	total catch	abundance	BY_X	lognormal
G0bde	fisheries data SCF	total catch	abundance	BY_X	lognormal
G0bde	fisheries data SCF	total catch	biomass	BY_X	lognormal
G0bde	fisheries data SCF	total catch	biomass	BY_X	lognormal
G0bde	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

G0bde	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

G0bde	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

G0bde	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

G0bde	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bde	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bde	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bde	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bde	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bde	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bde	fisheries data	RKF	total catch	abundance	BY_X	lognormal
G0bde	fisheries data	RKF	total catch	abundance	BY_X	lognormal
G0bde	fisheries data	RKF	total catch	biomass	BY_X	lognormal
G0bde	fisheries data	RKF	total catch	biomass	BY_X	lognormal
G0bde	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

G0bde	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde	growth data			EBS		gamma
G0bde	growth data			EBS		gamma
G0bde	growth data			EBS		gamma
G0bde	growth data			EBS		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma
G0bde	growth data			Kodiak		gamma

G0bde	growth data			Kodiak	gamma
G0bde	growth data			Kodiak	gamma
G0bde	growth data			Kodiak	gamma
G0bde	growth data			Kodiak	gamma
G0bde	growth data			Kodiak	gamma
G0bde	growth data			Kodiak	gamma
G0bde	growth data			Kodiak	gamma
G0bde	maturity data			MATURITY_OGIVES	binomial
G0bde	maturity data			MATURITY_OGIVES	binomial
G0bde	maturity data			MATURITY_OGIVES	binomial
G0bde	maturity data			MATURITY_OGIVES	binomial
G0bde	maturity data			MATURITY_OGIVES	binomial
G0bde	maturity data			MATURITY_OGIVES	binomial
G0bde	maturity data			MATURITY_OGIVES	binomial
G0bde	maturity data			MATURITY_OGIVES	binomial
G0bde	maturity data			MATURITY_OGIVES	binomial
G0bde	maturity data			MATURITY_OGIVES	binomial
G0bde	maturity data			MATURITY_OGIVES	binomial
G0bde	maturity data			MATURITY_OGIVES	binomial
G0bde	maturity data			MATURITY_OGIVES	binomial
G0bde	maturity data			MATURITY_OGIVES	binomial
G0bde	maturity data			MATURITY_OGIVES	binomial
G0bde	maturity data			MATURITY_OGIVES	binomial
G0bde	maturity data			MATURITY_OGIVES	binomial
G0bde	maturity data			MATURITY_OGIVES	binomial
G0bde	maturity data			MATURITY_OGIVES	binomial
G0bde	maturity data			MATURITY_OGIVES	binomial
G0bde	effort data	SCF	fishery	1	lognormal
G0bde	effort data	SCF	fishery	1	lognormal
G0bde	effort data	SCF	fishery	1	lognormal
G0bde	effort data	SCF	fishery	1	lognormal
G0bde	effort data	SCF	fishery	2	lognormal
G0bde	effort data	SCF	fishery	2	lognormal
G0bde	effort data	SCF	fishery	2	lognormal
G0bde	effort data	SCF	fishery	2	lognormal
G0bde	effort data	RKF	fishery	3	lognormal
G0bde	effort data	RKF	fishery	3	lognormal
G0bde	effort data	RKF	fishery	3	lognormal
G0bde	effort data	RKF	fishery	3	lognormal
G0bde	effort data	RKF	fishery	4	lognormal

G0bde	effort data	RKF	fishery		4	lognormal
G0bde	effort data	RKF	fishery		4	lognormal
G0bde	effort data	RKF	fishery		4	lognormal
G0bde-Fr	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0bde-Fr	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0bde-Fr	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0bde-Fr	surveys data	NMFS trawl s	index catch	abundance	BY_XM	lognormal
G0bde-Fr	surveys data	NMFS trawl s	index catch	biomass	BY_X_MATOI	lognormal
G0bde-Fr	surveys data	NMFS trawl s	index catch	biomass	BY_X_MATOI	lognormal
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XME	multinomial

G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal

G0bde-Fr	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

G0bde-Fr	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

G0bde-Fr	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial

G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data TCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data SCF	total catch	abundance	BY_X	lognormal
G0bde-Fr	fisheries data SCF	total catch	abundance	BY_X	lognormal
G0bde-Fr	fisheries data SCF	total catch	biomass	BY_X	lognormal
G0bde-Fr	fisheries data SCF	total catch	biomass	BY_X	lognormal
G0bde-Fr	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data SCF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data SCF	total catch	n.at.z	BY_X	multinomial

G0bde-Fr	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

G0bde-Fr	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

G0bde-Fr	fisheries data GTF	total catch	n.at.z	BY_XE	multinomial

G0bde-Fr	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bde-Fr	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bde-Fr	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bde-Fr	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bde-Fr	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bde-Fr	fisheries data	RKF	total catch	abundance	BY_X	lognormal
G0bde-Fr	fisheries data	RKF	total catch	abundance	BY_X	lognormal
G0bde-Fr	fisheries data	RKF	total catch	biomass	BY_X	lognormal
G0bde-Fr	fisheries data	RKF	total catch	biomass	BY_X	lognormal
G0bde-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

G0bde-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial
G0bde-Fr	growth data			EBS		gamma
G0bde-Fr	growth data			EBS		gamma
G0bde-Fr	growth data			EBS		gamma
G0bde-Fr	growth data			EBS		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma
G0bde-Fr	growth data			Kodiak		gamma

G0bde-Fr	growth data			Kodiak	gamma
G0bde-Fr	growth data			Kodiak	gamma
G0bde-Fr	growth data			Kodiak	gamma
G0bde-Fr	growth data			Kodiak	gamma
G0bde-Fr	growth data			Kodiak	gamma
G0bde-Fr	growth data			Kodiak	gamma
G0bde-Fr	maturity data			MATURITY_OGIVES	binomial
G0bde-Fr	maturity data			MATURITY_OGIVES	binomial
G0bde-Fr	maturity data			MATURITY_OGIVES	binomial
G0bde-Fr	maturity data			MATURITY_OGIVES	binomial
G0bde-Fr	maturity data			MATURITY_OGIVES	binomial
G0bde-Fr	maturity data			MATURITY_OGIVES	binomial
G0bde-Fr	maturity data			MATURITY_OGIVES	binomial
G0bde-Fr	maturity data			MATURITY_OGIVES	binomial
G0bde-Fr	maturity data			MATURITY_OGIVES	binomial
G0bde-Fr	maturity data			MATURITY_OGIVES	binomial
G0bde-Fr	maturity data			MATURITY_OGIVES	binomial
G0bde-Fr	maturity data			MATURITY_OGIVES	binomial
G0bde-Fr	maturity data			MATURITY_OGIVES	binomial
G0bde-Fr	maturity data			MATURITY_OGIVES	binomial
G0bde-Fr	maturity data			MATURITY_OGIVES	binomial
G0bde-Fr	maturity data			MATURITY_OGIVES	binomial
G0bde-Fr	maturity data			MATURITY_OGIVES	binomial
G0bde-Fr	maturity data			MATURITY_OGIVES	binomial
G0bde-Fr	maturity data			MATURITY_OGIVES	binomial
G0bde-Fr	effort data	SCF	fishery	1	lognormal
G0bde-Fr	effort data	SCF	fishery	1	lognormal
G0bde-Fr	effort data	SCF	fishery	1	lognormal
G0bde-Fr	effort data	SCF	fishery	1	lognormal
G0bde-Fr	effort data	SCF	fishery	2	lognormal
G0bde-Fr	effort data	SCF	fishery	2	lognormal
G0bde-Fr	effort data	SCF	fishery	2	lognormal
G0bde-Fr	effort data	SCF	fishery	2	lognormal
G0bde-Fr	effort data	RKF	fishery	3	lognormal
G0bde-Fr	effort data	RKF	fishery	3	lognormal
G0bde-Fr	effort data	RKF	fishery	3	lognormal
G0bde-Fr	effort data	RKF	fishery	3	lognormal
G0bde-Fr	effort data	RKF	fishery	4	lognormal
G0bde-Fr	effort data	RKF	fishery	4	lognormal

G0bde-Fr	effort data	RKF	fishery		4		lognormal
G0bde-Fr	effort data	RKF	fishery		4		lognormal
G0bde-McI	surveys data	NMFS trawl s	index	catch	abundance	BY_XM	lognormal
G0bde-McI	surveys data	NMFS trawl s	index	catch	abundance	BY_XM	lognormal
G0bde-McI	surveys data	NMFS trawl s	index	catch	abundance	BY_XM	lognormal
G0bde-McI	surveys data	NMFS trawl s	index	catch	abundance	BY_XM	lognormal
G0bde-McI	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI	lognormal
G0bde-McI	surveys data	NMFS trawl s	index	catch	biomass	BY_X_MATOI	lognormal
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s	index	catch	n.at.z	BY_XME	multinomial

G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial

G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XME	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	abundance	BY_XS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	biomass	BY_XS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial

G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XS	multinomial
G0bde-McI	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	abundance	BY_XMS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal

G0bde-McI	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	biomass	BY_XMS	lognormal
G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

G0bde-McI	surveys data	NMFS trawl s index catch	n.at.z	BY_XMS	multinomial

G0bde-McI	surveys data	NMFS trawl s	index catch	n.at.z	BY_XMS	multinomial

G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	TCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	SCF	total catch	abundance	BY_X	lognormal
G0bde-McI	fisheries data	SCF	total catch	abundance	BY_X	lognormal
G0bde-McI	fisheries data	SCF	total catch	biomass	BY_X	lognormal
G0bde-McI	fisheries data	SCF	total catch	biomass	BY_X	lognormal
G0bde-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial
G0bde-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

G0bde-McI	fisheries data	SCF	total catch	n.at.z	BY_X	multinomial

G0bde-McI	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

G0bde-McI	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial

G0bde-McI	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bde-McI	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bde-McI	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bde-McI	fisheries data	GTF	total catch	n.at.z	BY_XE	multinomial
G0bde-McI	fisheries data	RKF	total catch	abundance	BY_X	lognormal
G0bde-McI	fisheries data	RKF	total catch	abundance	BY_X	lognormal
G0bde-McI	fisheries data	RKF	total catch	biomass	BY_X	lognormal
G0bde-McI	fisheries data	RKF	total catch	biomass	BY_X	lognormal
G0bde-McI	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

G0bde-McI	fisheries data	RKF	total catch	n.at.z	BY_X	multinomial

G0bde-McI	growth data			Kodiak	gamma
G0bde-McI	growth data			Kodiak	gamma
G0bde-McI	growth data			Kodiak	gamma
G0bde-McI	growth data			Kodiak	gamma
G0bde-McI	growth data			Kodiak	gamma
G0bde-McI	maturity data			MATURITY_OGIVES	binomial
G0bde-McI	maturity data			MATURITY_OGIVES	binomial
G0bde-McI	maturity data			MATURITY_OGIVES	binomial
G0bde-McI	maturity data			MATURITY_OGIVES	binomial
G0bde-McI	maturity data			MATURITY_OGIVES	binomial
G0bde-McI	maturity data			MATURITY_OGIVES	binomial
G0bde-McI	maturity data			MATURITY_OGIVES	binomial
G0bde-McI	maturity data			MATURITY_OGIVES	binomial
G0bde-McI	maturity data			MATURITY_OGIVES	binomial
G0bde-McI	maturity data			MATURITY_OGIVES	binomial
G0bde-McI	maturity data			MATURITY_OGIVES	binomial
G0bde-McI	maturity data			MATURITY_OGIVES	binomial
G0bde-McI	maturity data			MATURITY_OGIVES	binomial
G0bde-McI	maturity data			MATURITY_OGIVES	binomial
G0bde-McI	maturity data			MATURITY_OGIVES	binomial
G0bde-McI	maturity data			MATURITY_OGIVES	binomial
G0bde-McI	maturity data			MATURITY_OGIVES	binomial
G0bde-McI	maturity data			MATURITY_OGIVES	binomial
G0bde-McI	maturity data			MATURITY_OGIVES	binomial
G0bde-McI	effort data	SCF	fishery	1	lognormal
G0bde-McI	effort data	SCF	fishery	1	lognormal
G0bde-McI	effort data	SCF	fishery	1	lognormal
G0bde-McI	effort data	SCF	fishery	1	lognormal
G0bde-McI	effort data	SCF	fishery	2	lognormal
G0bde-McI	effort data	SCF	fishery	2	lognormal
G0bde-McI	effort data	SCF	fishery	2	lognormal
G0bde-McI	effort data	SCF	fishery	2	lognormal
G0bde-McI	effort data	RKF	fishery	3	lognormal
G0bde-McI	effort data	RKF	fishery	3	lognormal
G0bde-McI	effort data	RKF	fishery	3	lognormal
G0bde-McI	effort data	RKF	fishery	3	lognormal
G0bde-McI	effort data	RKF	fishery	4	lognormal
G0bde-McI	effort data	RKF	fishery	4	lognormal
G0bde-McI	effort data	RKF	fishery	4	lognormal

G0bde-McI	effort data	RKF	fishery	4	lognormal

y	x	m	s	rmse	wgt	nll
all	male	immature	all shell condi	3.62082642	0	281.873255
all	male	mature	all shell condi	2.52396952	0	136.964076
all	female	immature	all shell condi	3.28162206	0	231.534432
all	female	mature	all shell condi	2.59275867	0	144.531547
all	male	mature	all shell condi	2.18039066	1	102.213224
all	female	mature	all shell condi	2.27563579	1	111.338143
1975	male	immature	all shell condi	380.034296	1	17.5102472
1975	male	mature	all shell condi	106.43354	1	37.9358856
1975	female	immature	all shell condi	150.985844	1	7.07231338
1975	female	mature	all shell condi	64.2130165	1	-12.126298
1976	male	immature	all shell condi	243.257964	1	18.7019402
1976	male	mature	all shell condi	288.500123	1	2.55505017
1976	female	immature	all shell condi	209.334878	1	8.9740205
1976	female	mature	all shell condi	99.832512	1	-3.5681881
1977	male	immature	all shell condi	357.979703	1	0.19623231
1977	male	mature	all shell condi	267.392721	1	-1.942134
1977	female	immature	all shell condi	62.7346426	1	29.3095892
1977	female	mature	all shell condi	194.711284	1	1.42788533
1978	male	immature	all shell condi	225.419134	1	-3.4036372
1978	male	mature	all shell condi	323.180507	1	11.227054
1978	female	immature	all shell condi	89.4275394	1	12.1312577
1978	female	mature	all shell condi	259.217898	1	3.85066282
1979	male	immature	all shell condi	303.624326	1	5.12866468
1979	male	mature	all shell condi	433.399458	1	-0.8313262
1979	female	immature	all shell condi	268.457699	1	-8.3091438
1979	female	mature	all shell condi	125.245676	1	20.8227495
1980	male	immature	all shell condi	134.543636	1	21.0309339
1980	male	mature	all shell condi	251.402872	1	-7.6527534
1980	female	immature	all shell condi	955.609197	1	-2.6306648
1980	female	mature	all shell condi	90.2507205	1	10.5824778
1981	male	immature	all shell condi	400.848282	1	7.69978879
1981	male	mature	all shell condi	547.027848	1	-6.3551447
1981	female	immature	all shell condi	148.314613	1	-6.8368616
1981	female	mature	all shell condi	42.5925976	1	41.0236166
1982	male	immature	all shell condi	153.028198	1	-10.988622
1982	male	mature	all shell condi	247.440519	1	-7.987053
1982	female	immature	all shell condi	113.41183	1	-7.5841698
1982	female	mature	all shell condi	8.5708018	1	119.78024
1983	male	immature	all shell condi	226.896433	1	-0.9162489
1983	male	mature	all shell condi	411.821862	1	2.43430487

1983	female	immature	all shell condi	268.380798	1	3.06889251
1983	female	mature	all shell condi	147.184706	1	16.8400381
1984	male	immature	all shell condi	216.866185	1	-16.841479
1984	male	mature	all shell condi	136.661701	1	21.9827259
1984	female	immature	all shell condi	147.531517	1	-7.8629713
1984	female	mature	all shell condi	79.4356693	1	29.2811646
1985	male	immature	all shell condi	120.274483	1	-18.823862
1985	male	mature	all shell condi	50.5561069	1	42.4735568
1985	female	immature	all shell condi	103.247153	1	-18.867239
1985	female	mature	all shell condi	57.1854569	1	40.1169734
1986	male	immature	all shell condi	284.105521	1	4.18497789
1986	male	mature	all shell condi	66.8421071	1	30.4661586
1986	female	immature	all shell condi	168.142635	1	-6.0005249
1986	female	mature	all shell condi	167.895236	1	-0.1169296
1987	male	immature	all shell condi	135.093268	1	5.46212334
1987	male	mature	all shell condi	479.746348	1	8.3921779
1987	female	immature	all shell condi	47.7606475	1	52.5215933
1987	female	mature	all shell condi	139.966954	1	-5.9766031
1988	male	immature	all shell condi	378.860227	1	0.35435875
1988	male	mature	all shell condi	387.919795	1	12.0228896
1988	female	immature	all shell condi	244.438845	1	-6.5730579
1988	female	mature	all shell condi	109.418375	1	15.3703967
1989	male	immature	all shell condi	303.890038	1	5.7450331
1989	male	mature	all shell condi	1907.27657	1	3.23952017
1989	female	immature	all shell condi	123.116461	1	14.3137068
1989	female	mature	all shell condi	152.090063	1	-6.1327983
1990	male	immature	all shell condi	872.709911	1	-1.4621384
1990	male	mature	all shell condi	1308.93175	1	-4.7104912
1990	female	immature	all shell condi	278.723364	1	5.90509122
1990	female	mature	all shell condi	363.79422	1	9.68914719
1991	male	immature	all shell condi	311.405123	1	5.44067182
1991	male	mature	all shell condi	2023.66855	1	-6.1944292
1991	female	immature	all shell condi	134.621011	1	7.22428085
1991	female	mature	all shell condi	843.91092	1	7.62804898
1992	male	immature	all shell condi	728.90038	1	9.31790173
1992	male	mature	all shell condi	859.956947	1	3.1131434
1992	female	immature	all shell condi	300.194226	1	3.3456123
1992	female	mature	all shell condi	808.047727	1	-5.3267702
1993	male	immature	all shell condi	421.394653	1	17.2548999
1993	male	mature	all shell condi	826.951085	1	7.77230876
1993	female	immature	all shell condi	516.153504	1	3.97995018

1993	female	mature	all shell condi	177.683852	1	-17.62707
1994	male	immature	all shell condi	343.246028	1	9.52602121
1994	male	mature	all shell condi	962.989631	1	1.37096758
1994	female	immature	all shell condi	79.2853159	1	18.9819487
1994	female	mature	all shell condi	241.381304	1	-14.528589
1995	male	immature	all shell condi	312.071783	1	-3.8663119
1995	male	mature	all shell condi	786.162774	1	1.47236128
1995	female	immature	all shell condi	416.626655	1	-1.9240752
1995	female	mature	all shell condi	251.478781	1	16.7018314
1996	male	immature	all shell condi	503.348955	1	-1.5093535
1996	male	mature	all shell condi	711.229282	1	4.06946428
1996	female	immature	all shell condi	342.036401	1	-0.4672134
1996	female	mature	all shell condi	444.012077	1	7.98496847
1997	male	immature	all shell condi	486.69163	1	3.33590753
1997	male	mature	all shell condi	869.06908	1	-3.368417
1997	female	immature	all shell condi	102.22585	1	19.8705043
1997	female	mature	all shell condi	432.401624	1	-7.9450488
1998	male	immature	all shell condi	361.107047	1	10.2413968
1998	male	mature	all shell condi	1122.08144	1	-0.7610218
1998	female	immature	all shell condi	418.302061	1	14.6956169
1998	female	mature	all shell condi	155.351302	1	-10.568937
1999	male	immature	all shell condi	151.52129	1	11.3665054
1999	male	mature	all shell condi	425.171856	1	6.05336512
1999	female	immature	all shell condi	157.197934	1	8.60259354
1999	female	mature	all shell condi	406.530356	1	-4.3595998
2000	male	immature	all shell condi	231.792722	1	2.38495478
2000	male	mature	all shell condi	689.898029	1	9.20001627
2000	female	immature	all shell condi	363.390771	1	1.02747933
2000	female	mature	all shell condi	276.384507	1	-1.1458318
2001	male	immature	all shell condi	403.852344	1	6.81652733
2001	male	mature	all shell condi	1129.06422	1	-2.3092038
2001	female	immature	all shell condi	294.552368	1	13.0313212
2001	female	mature	all shell condi	356.801524	1	-4.9516347
2002	male	immature	all shell condi	210.512005	1	3.95324105
2002	male	mature	all shell condi	822.547937	1	0.92465823
2002	female	immature	all shell condi	115.629348	1	17.12127
2002	female	mature	all shell condi	790.805264	1	-4.2487025
2003	male	immature	all shell condi	343.309963	1	2.09655208
2003	male	mature	all shell condi	659.964112	1	6.12834624
2003	female	immature	all shell condi	260.241366	1	-5.304023
2003	female	mature	all shell condi	255.784409	1	10.2285776

2004	male	immature	all shell condi	229.663455	1	-1.5547154
2004	male	mature	all shell condi	237.628614	1	21.2000543
2004	female	immature	all shell condi	152.067009	1	11.5406126
2004	female	mature	all shell condi	348.842549	1	-4.219551
2005	male	immature	all shell condi	472.396011	1	-2.2733638
2005	male	mature	all shell condi	1054.25474	1	-0.8710098
2005	female	immature	all shell condi	259.17169	1	18.7601208
2005	female	mature	all shell condi	1432.43522	1	-3.1318239
2006	male	immature	all shell condi	362.761993	1	7.79551157
2006	male	mature	all shell condi	383.090102	1	6.34514907
2006	female	immature	all shell condi	201.803211	1	9.96232383
2006	female	mature	all shell condi	560.353916	1	-6.1691798
2007	male	immature	all shell condi	257.852029	1	22.8014541
2007	male	mature	all shell condi	238.593214	1	9.98857591
2007	female	immature	all shell condi	651.188665	1	1.06427411
2007	female	mature	all shell condi	151.511613	1	-11.921095
2008	male	immature	all shell condi	561.371933	1	10.3331976
2008	male	mature	all shell condi	310.469445	1	8.92351951
2008	female	immature	all shell condi	839.691198	1	0.14775919
2008	female	mature	all shell condi	611.231678	1	-7.6722522
2009	male	immature	all shell condi	95.8765869	1	3.85274391
2009	male	mature	all shell condi	274.617224	1	13.2705638
2009	female	immature	all shell condi	78.7331097	1	1.92345611
2009	female	mature	all shell condi	1003.36521	1	4.6873852
2010	male	immature	all shell condi	213.506719	1	-1.3094772
2010	male	mature	all shell condi	302.69187	1	16.0151261
2010	female	immature	all shell condi	193.946193	1	-1.7370974
2010	female	mature	all shell condi	11686.8875	1	-0.3616889
2011	male	immature	all shell condi	382.754884	1	6.57032402
2011	male	mature	all shell condi	936.977877	1	2.18141626
2011	female	immature	all shell condi	185.085229	1	11.8249245
2011	female	mature	all shell condi	337.629959	1	-5.1906209
2012	male	immature	all shell condi	403.248594	1	13.1705423
2012	male	mature	all shell condi	352.097924	1	5.19430755
2012	female	immature	all shell condi	220.433847	1	1.20367844
2012	female	mature	all shell condi	511.000511	1	-2.5580393
2013	male	immature	all shell condi	955.000303	1	6.22294394
2013	male	mature	all shell condi	270.727525	1	9.88610841
2013	female	immature	all shell condi	461.853269	1	-0.9466172
2013	female	mature	all shell condi	980.518237	1	-2.0062123
2014	male	immature	all shell condi	533.93796	1	11.2106294

	2014	male	mature	all shell condi	272.51857	1	8.07017996
	2014	female	immature	all shell condi	114.471829	1	12.843938
	2014	female	mature	all shell condi	332.791491	1	-9.1741183
	2015	male	immature	all shell condi	1037.57379	1	8.15509045
	2015	male	mature	all shell condi	518.027023	1	2.84782267
	2015	female	immature	all shell condi	490.178728	1	3.73858025
	2015	female	mature	all shell condi	515.081853	1	-2.4531572
	2016	male	immature	all shell condi	428.908091	1	9.47033629
	2016	male	mature	all shell condi	190.458528	1	19.455196
	2016	female	immature	all shell condi	311.693289	1	3.11812058
	2016	female	mature	all shell condi	279.396858	1	-9.4833687
	2017	male	immature	all shell condi	97.7120516	1	-3.2649648
	2017	male	mature	all shell condi	164.860552	1	23.0103295
	2017	female	immature	all shell condi	71.4198698	1	7.34777644
	2017	female	mature	all shell condi	807.023574	1	0.95169414
all		male	all maturity st	new shell	3.78193281	0	307.514839
all		male	all maturity st	old shell	4.60934045	0	456.789417
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	3.10799394	0	207.681966
all		male	all maturity st	old shell	4.08449743	0	358.687065
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
	1975	male	all maturity st	new shell	54.7931574	0	33.4366653
	1975	male	all maturity st	old shell	41.4235603	0	26.6466878
	1976	male	all maturity st	new shell	68.9041151	0	20.0884151
	1976	male	all maturity st	old shell	26.0838181	0	44.8265771
	1977	male	all maturity st	new shell	80.3687085	0	20.6480015
	1977	male	all maturity st	old shell	97.0059779	0	16.4324446
	1978	male	all maturity st	new shell	64.9161891	0	21.1416359
	1978	male	all maturity st	old shell	50.420006	0	27.9383833
	1979	male	all maturity st	new shell	173.490041	0	5.39442957
	1979	male	all maturity st	old shell	28.1469057	0	55.4487189
	1980	male	all maturity st	new shell	95.4848761	0	8.97997054
	1980	male	all maturity st	old shell	22.2100369	0	81.9409394
	1981	male	all maturity st	new shell	70.7323364	0	16.5199252
	1981	male	all maturity st	old shell	22.9266398	0	50.6255372
	1982	male	all maturity st	new shell	39.0025287	0	29.2869765
	1982	male	all maturity st	old shell	168.83771	0	6.29390862
	1983	male	all maturity st	new shell	75.8654754	0	14.1004241
	1983	male	all maturity st	old shell	52.2361612	0	20.6336048

1984	male	all maturity st	new shell	156.101953	0	4.373716
1984	male	all maturity st	old shell	45.8967846	0	22.5567162
1985	male	all maturity st	new shell	65.3165717	0	19.1429027
1985	male	all maturity st	old shell	40.2129993	0	27.1726504
1986	male	all maturity st	new shell	74.5795964	0	15.3801277
1986	male	all maturity st	old shell	61.7779364	0	13.4933185
1987	male	all maturity st	new shell	53.4350077	0	15.0492007
1987	male	all maturity st	old shell	171.960845	0	7.1079143
1988	male	all maturity st	new shell	96.6066213	0	10.7200399
1988	male	all maturity st	old shell	230.695701	0	7.33691216
1989	male	all maturity st	new shell	162.812994	0	7.16471016
1989	male	all maturity st	old shell	154.533047	0	8.7692503
1990	male	all maturity st	new shell	460.136652	0	2.8268801
1990	male	all maturity st	old shell	420.073348	0	3.6765311
1991	male	all maturity st	new shell	193.751564	0	6.10974273
1991	male	all maturity st	old shell	605.343234	0	1.97595674
1992	male	all maturity st	new shell	263.712261	0	4.7390597
1992	male	all maturity st	old shell	156.283087	0	6.17718192
1993	male	all maturity st	new shell	338.190531	0	3.52181988
1993	male	all maturity st	old shell	269.031543	0	3.19506922
1994	male	all maturity st	new shell	218.383179	0	4.29456916
1994	male	all maturity st	old shell	179.061739	0	5.15465037
1995	male	all maturity st	new shell	79.3094698	0	10.765587
1995	male	all maturity st	old shell	142.478008	0	8.14613163
1996	male	all maturity st	new shell	107.136438	0	12.2167096
1996	male	all maturity st	old shell	97.1280074	0	9.33250869
1997	male	all maturity st	new shell	135.732433	0	8.04846783
1997	male	all maturity st	old shell	207.110685	0	6.19452381
1998	male	all maturity st	new shell	244.326357	0	4.03712869
1998	male	all maturity st	old shell	181.260491	0	5.50950675
1999	male	all maturity st	new shell	64.2996787	0	14.3150166
1999	male	all maturity st	old shell	81.0137516	0	11.933056
2000	male	all maturity st	new shell	126.908692	0	5.42652421
2000	male	all maturity st	old shell	129.779793	0	9.0470438
2001	male	all maturity st	new shell	195.732642	0	5.39742112
2001	male	all maturity st	old shell	264.796918	0	5.21115
2002	male	all maturity st	new shell	77.9820826	0	10.702108
2002	male	all maturity st	old shell	176.658597	0	4.48683644
2003	male	all maturity st	new shell	140.233376	0	7.05366752
2003	male	all maturity st	old shell	191.004824	0	5.17490189
2004	male	all maturity st	new shell	109.352065	0	8.33255641

	2004	male	all maturity st	old shell	38.2104677	0	80.7693889
	2005	male	all maturity st	new shell	225.567148	0	5.5037227
	2005	male	all maturity st	old shell	140.37464	0	8.02309084
	2006	male	all maturity st	new shell	133.160521	0	9.66574706
	2006	male	all maturity st	old shell	186.039319	0	7.60788874
	2007	male	all maturity st	new shell	247.408313	0	6.31237002
	2007	male	all maturity st	old shell	98.0512987	0	16.8242324
	2008	male	all maturity st	new shell	216.703732	0	5.6294953
	2008	male	all maturity st	old shell	62.1168152	0	18.9961813
	2009	male	all maturity st	new shell	31.5080648	0	20.6185135
	2009	male	all maturity st	old shell	65.4844481	0	14.7141468
	2010	male	all maturity st	new shell	50.9750569	0	20.4164709
	2010	male	all maturity st	old shell	92.7459845	0	11.4211264
	2011	male	all maturity st	new shell	146.89171	0	4.89370999
	2011	male	all maturity st	old shell	115.828654	0	8.37762458
	2012	male	all maturity st	new shell	190.255274	0	4.77847003
	2012	male	all maturity st	old shell	140.434197	0	9.22777186
	2013	male	all maturity st	new shell	176.666207	0	7.07885445
	2013	male	all maturity st	old shell	105.548576	0	15.2627651
	2014	male	all maturity st	new shell	227.342207	0	6.29251663
	2014	male	all maturity st	old shell	122.322543	0	9.13649862
	2015	male	all maturity st	new shell	378.091978	0	5.40817895
	2015	male	all maturity st	old shell	161.942371	0	7.5916349
	2016	male	all maturity st	new shell	137.88606	0	10.8577661
	2016	male	all maturity st	old shell	109.452563	0	10.9323882
	2017	male	all maturity st	new shell	28.4222096	0	14.0233369
	2017	male	all maturity st	old shell	108.561953	0	9.97104955
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.28162206	0	231.534432
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.59154154	0	144.395883
all		female	mature	old shell	3.1512863	0	213.508015
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	2.98284558	0	191.293407
all		female	immature	old shell	0	0	0

all		female	mature	new shell	2.51636718	0	136.140231
all		female	mature	old shell	2.78377508	0	166.612179
	1975	female	immature	new shell	16.4810052	0	27.9860664
	1975	female	mature	new shell	57.7024051	0	5.43264599
	1975	female	mature	old shell	8.17453875	0	31.7998466
	1976	female	immature	new shell	45.0220039	0	7.80685015
	1976	female	mature	new shell	54.9070503	0	6.09062133
	1976	female	mature	old shell	8.92748341	0	32.3261587
	1977	female	immature	new shell	35.0754617	0	8.47051482
	1977	female	mature	new shell	48.0527178	0	8.89765354
	1977	female	mature	old shell	21.9983751	0	14.5112976
	1978	female	immature	new shell	23.6944235	0	10.1705757
	1978	female	mature	new shell	102.174973	0	3.52177045
	1978	female	mature	old shell	29.898406	0	9.9451739
	1979	female	immature	new shell	50.2067949	0	4.0090538
	1979	female	mature	new shell	61.6944424	0	7.12737648
	1979	female	mature	old shell	20.7465306	0	14.4150936
	1980	female	immature	new shell	123.148596	0	3.11125376
	1980	female	mature	new shell	13.260212	0	15.2900503
	1980	female	mature	old shell	17.292593	0	16.5237873
	1981	female	immature	new shell	45.8923599	0	9.77051498
	1981	female	mature	new shell	10.067527	0	30.8662697
	1981	female	mature	old shell	62.0714049	0	6.16474742
	1982	female	immature	new shell	39.0381486	0	17.6074478
	1982	female	mature	new shell	8.91783142	0	25.3868439
	1982	female	mature	old shell	29.7667099	0	8.85498802
	1983	female	immature	new shell	58.7091087	0	5.26690065
	1983	female	mature	new shell	52.5357323	0	8.51461963
	1983	female	mature	old shell	114.370122	0	2.44908763
	1984	female	immature	new shell	37.1310265	0	5.34089301
	1984	female	mature	new shell	36.0328589	0	6.22750447
	1984	female	mature	old shell	235.842891	0	2.09656123
	1985	female	immature	new shell	140.159956	0	4.34187756
	1985	female	mature	new shell	10.9016831	0	42.5548614
	1985	female	mature	old shell	290.77284	0	2.55963993
	1986	female	immature	new shell	70.9052129	0	6.06117725
	1986	female	mature	new shell	6.22093597	0	39.3021453
	1986	female	mature	old shell	27.6329007	0	11.5072748
	1987	female	immature	new shell	17.7866276	0	34.7441202
	1987	female	mature	new shell	34.2040011	0	11.4556331
	1987	female	mature	old shell	20.1952301	0	19.4083718

1988	female	immature	new shell	108.623417	0	5.97163649
1988	female	mature	new shell	15.2369314	0	22.8890813
1988	female	mature	old shell	31.6179416	0	11.1882781
1989	female	immature	new shell	45.9450393	0	5.63916581
1989	female	mature	new shell	25.5339304	0	12.0378674
1989	female	mature	old shell	41.2638244	0	10.5886406
1990	female	immature	new shell	57.7806303	0	5.28382846
1990	female	mature	new shell	214.670601	0	1.72067972
1990	female	mature	old shell	36.3030952	0	10.338277
1991	female	immature	new shell	18.6319088	0	15.9275249
1991	female	mature	new shell	109.891524	0	2.45115477
1991	female	mature	old shell	129.483605	0	3.32021685
1992	female	immature	new shell	27.5388105	0	15.0991667
1992	female	mature	new shell	69.8298785	0	5.80052279
1992	female	mature	old shell	120.121884	0	2.94335255
1993	female	immature	new shell	56.4348361	0	8.27975306
1993	female	mature	new shell	26.1938182	0	9.99450319
1993	female	mature	old shell	174.663508	0	2.07653219
1994	female	immature	new shell	27.2267905	0	11.3637787
1994	female	mature	new shell	34.9691791	0	10.8092819
1994	female	mature	old shell	217.910608	0	1.93183882
1995	female	immature	new shell	73.4492681	0	6.81766529
1995	female	mature	new shell	28.1823664	0	13.8948321
1995	female	mature	old shell	461.566688	0	0.80229293
1996	female	immature	new shell	67.3423895	0	7.61892799
1996	female	mature	new shell	24.2920159	0	11.7912593
1996	female	mature	old shell	197.667612	0	1.6858927
1997	female	immature	new shell	58.2676328	0	3.83950519
1997	female	mature	new shell	76.2052338	0	3.81327279
1997	female	mature	old shell	173.127972	0	2.43484236
1998	female	immature	new shell	371.223487	0	1.29133547
1998	female	mature	new shell	46.5167997	0	7.25443742
1998	female	mature	old shell	185.780026	0	2.82653563
1999	female	immature	new shell	55.1750241	0	6.29725155
1999	female	mature	new shell	14.1415522	0	16.6332013
1999	female	mature	old shell	119.823859	0	2.54063499
2000	female	immature	new shell	104.91257	0	2.31124506
2000	female	mature	new shell	27.1734814	0	9.65602916
2000	female	mature	old shell	27.1645101	0	12.2043652
2001	female	immature	new shell	173.539823	0	2.00037868
2001	female	mature	new shell	130.612912	0	5.00094202

2001	female	mature	old shell	42.7637562	0	5.97490749
2002	female	immature	new shell	56.4723124	0	5.0355672
2002	female	mature	new shell	44.88201	0	7.82526225
2002	female	mature	old shell	69.4878261	0	3.34669881
2003	female	immature	new shell	83.4596918	0	3.89164966
2003	female	mature	new shell	159.225487	0	2.26332076
2003	female	mature	old shell	53.2540781	0	8.66153659
2004	female	immature	new shell	59.1184339	0	6.52336763
2004	female	mature	new shell	155.956264	0	1.42796984
2004	female	mature	old shell	43.5073283	0	9.99672863
2005	female	immature	new shell	363.091474	0	1.8663089
2005	female	mature	new shell	130.877489	0	3.57616193
2005	female	mature	old shell	336.935558	0	2.58518964
2006	female	immature	new shell	51.3792453	0	7.31185079
2006	female	mature	new shell	163.650762	0	2.44673573
2006	female	mature	old shell	168.236751	0	2.99419663
2007	female	immature	new shell	106.474124	0	4.15046262
2007	female	mature	new shell	45.804394	0	7.76882073
2007	female	mature	old shell	646.74735	0	0.71415581
2008	female	immature	new shell	118.319701	0	3.20470009
2008	female	mature	new shell	101.956594	0	4.76650354
2008	female	mature	old shell	478.313474	0	0.89369533
2009	female	immature	new shell	22.6007456	0	10.6857493
2009	female	mature	new shell	29.6843874	0	7.03420004
2009	female	mature	old shell	618.385467	0	0.66581204
2010	female	immature	new shell	76.3510517	0	5.34622145
2010	female	mature	new shell	203.841162	0	1.97502167
2010	female	mature	old shell	756.437816	0	0.65615205
2011	female	immature	new shell	59.2333329	0	6.84423965
2011	female	mature	new shell	23.6192754	0	9.36846634
2011	female	mature	old shell	177.661807	0	2.43146463
2012	female	immature	new shell	57.0501769	0	7.01626394
2012	female	mature	new shell	30.4151488	0	7.45606847
2012	female	mature	old shell	197.719068	0	1.61128593
2013	female	immature	new shell	92.4397586	0	5.01464685
2013	female	mature	new shell	527.912041	0	0.9754917
2013	female	mature	old shell	49.175877	0	5.96164514
2014	female	immature	new shell	20.5371962	0	19.4460742
2014	female	mature	new shell	59.7338581	0	3.68789472
2014	female	mature	old shell	61.6350529	0	5.26284723
2015	female	immature	new shell	65.7398512	0	7.01078599

	2015	female	mature	new shell	16.5285409	0	14.1601513
	2015	female	mature	old shell	178.800914	0	2.03031888
	2016	female	immature	new shell	37.5997247	0	11.3173165
	2016	female	mature	new shell	62.6423977	0	8.2397662
	2016	female	mature	old shell	67.474561	0	3.97197702
	2017	female	immature	new shell	16.0371573	0	12.0598603
	2017	female	mature	new shell	31.4177744	0	16.6087521
	2017	female	mature	old shell	109.776243	0	2.00926291
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.2133165	20	0.86457469
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	25.938848	1	16.5288895
	1981	male	all maturity st	all shell condi	1700.92829	1	0.36074357
	1982	male	all maturity st	all shell condi	1473.3544	1	0.38083192
	1983	male	all maturity st	all shell condi	48.9567636	1	1.1283426
	1984	male	all maturity st	all shell condi	477.420309	1	0.16137958
	1988	male	all maturity st	all shell condi	134.586117	1	3.90612883
	1989	male	all maturity st	all shell condi	1665.32167	1	0.088942
	1990	male	all maturity st	all shell condi	267.200153	1	4.69556207
	1991	male	all maturity st	all shell condi	155.0153	1	5.74478352
	1992	male	all maturity st	all shell condi	96.0188242	1	8.30733381
	1993	male	all maturity st	all shell condi	138.3019	1	5.09763187
	1994	male	all maturity st	all shell condi	149.213018	1	5.29480784
	1995	male	all maturity st	all shell condi	187.096057	1	0.27290451
	1996	male	all maturity st	all shell condi	185.424846	1	0.75832935
	2005	male	all maturity st	all shell condi	14.1936313	1	1.35717597
	2006	male	all maturity st	all shell condi	303.652371	1	0.29666016
	2007	male	all maturity st	all shell condi	1928.55335	1	0.14582533
	2008	male	all maturity st	all shell condi	967.263477	1	0.19851646
	2009	male	all maturity st	all shell condi	127.933944	1	0.48130819
	2013	male	all maturity st	all shell condi	704.887203	1	0.25058784
	2014	male	all maturity st	all shell condi	209.06868	1	3.06421508
	2015	male	all maturity st	all shell condi	157.701279	1	6.9364579
all		male	all maturity st	all shell condi	0.20184321	20	0.26481442
all		female	all maturity st	all shell condi	0.55520816	20	2.00366467
	1991	male	all maturity st	all shell condi	1323.53356	1	1.0514785
	1991	female	all maturity st	all shell condi	512.905526	1	1.34158455
	1992	male	all maturity st	all shell condi	120.130023	1	19.3773483
	1992	female	all maturity st	all shell condi	459.446333	1	0.54037253
	1993	male	all maturity st	all shell condi	266.87232	1	7.39599582

	1993	female	all maturity st	all shell condi	346.239403	1	0.98379599
	1994	male	all maturity st	all shell condi	593.17804	1	0.77809596
	1994	female	all maturity st	all shell condi	58.5030222	1	1.3516823
	1995	male	all maturity st	all shell condi	297.705868	1	0.69413433
	1995	female	all maturity st	all shell condi	90.4515948	1	0.95178537
	1996	male	all maturity st	all shell condi	30.8808993	1	1.31962545
	1996	female	all maturity st	all shell condi	260.915983	1	0.05470357
	2005	male	all maturity st	all shell condi	97.451929	1	14.5618832
	2005	female	all maturity st	all shell condi	39.4125567	1	0.95402451
	2006	male	all maturity st	all shell condi	287.585645	1	3.98306101
	2006	female	all maturity st	all shell condi	422.511714	1	0.78001527
	2007	male	all maturity st	all shell condi	374.324194	1	5.21745587
	2007	female	all maturity st	all shell condi	317.539456	1	0.37020428
	2008	male	all maturity st	all shell condi	1149.76039	1	1.99771366
	2008	female	all maturity st	all shell condi	45.7910893	1	0.31807613
	2009	male	all maturity st	all shell condi	164.62661	1	5.45329556
	2009	female	all maturity st	all shell condi	24.4336853	1	0.17801319
	2013	male	all maturity st	all shell condi	1339.32516	1	0.9801228
	2013	female	all maturity st	all shell condi	64.7539647	1	0.59680162
	2014	male	all maturity st	all shell condi	199.414944	1	10.986711
	2014	female	all maturity st	all shell condi	188.580565	1	0.19496515
	2015	male	all maturity st	all shell condi	127.585635	1	13.7945084
	2015	female	all maturity st	all shell condi	73.0370129	1	1.12108942
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.08350452	20	0.08716256
all		female	all maturity st	all shell condi	0.31831655	20	1.26656785
	1992	male	all maturity st	all shell condi	191.771904	1	2.94108256
	1992	female	all maturity st	all shell condi	18.2831234	1	0.99068488
	1993	male	all maturity st	all shell condi	118.053957	1	3.1000855
	1993	female	all maturity st	all shell condi	30.6562498	1	1.1959523
	1994	male	all maturity st	all shell condi	38.1413043	1	3.30841568
	1994	female	all maturity st	all shell condi	40.6851658	1	1.82358697
	1995	male	all maturity st	all shell condi	87.3103554	1	0.97837967
	1995	female	all maturity st	all shell condi	41.7997499	1	0.28418905
	1996	male	all maturity st	all shell condi	281.380716	1	1.66108305
	1996	female	all maturity st	all shell condi	46.1402779	1	0.42702074
	1997	male	all maturity st	all shell condi	446.961472	1	1.00190341
	1997	female	all maturity st	all shell condi	111.243868	1	0.19726758
	1998	male	all maturity st	all shell condi	1013.79208	1	0.20068224
	1998	female	all maturity st	all shell condi	21.3692093	1	0.31382091

	1999	male	all maturity st	all shell condi	131.622585	1	0.34131982
	1999	female	all maturity st	all shell condi	30.2118238	1	0.06967644
	2000	male	all maturity st	all shell condi	273.093298	1	0.2708587
	2000	female	all maturity st	all shell condi	30.5331573	1	0.09780849
	2001	male	all maturity st	all shell condi	558.672118	1	0.29765016
	2001	female	all maturity st	all shell condi	121.114587	1	0.060605
	2002	male	all maturity st	all shell condi	59.5161071	1	0.80132187
	2002	female	all maturity st	all shell condi	45.4494472	1	0.06473645
	2003	male	all maturity st	all shell condi	109.239107	1	0.40061313
	2003	female	all maturity st	all shell condi	44.802443	1	0.10056431
	2004	male	all maturity st	all shell condi	23.0337308	1	1.8643583
	2004	female	all maturity st	all shell condi	30.5712732	1	0.82319021
	2005	male	all maturity st	all shell condi	122.620023	1	4.47865869
	2005	female	all maturity st	all shell condi	158.049319	1	0.12454991
	2006	male	all maturity st	all shell condi	77.0589993	1	5.86547052
	2006	female	all maturity st	all shell condi	51.7628676	1	1.04640026
	2007	male	all maturity st	all shell condi	380.473815	1	2.17453054
	2007	female	all maturity st	all shell condi	45.6131247	1	0.40454955
	2008	male	all maturity st	all shell condi	95.873089	1	6.96640084
	2008	female	all maturity st	all shell condi	14.7013193	1	2.21878329
	2009	male	all maturity st	all shell condi	456.013116	1	2.08365089
	2009	female	all maturity st	all shell condi	20.6100448	1	0.93059453
	2010	male	all maturity st	all shell condi	370.050855	1	1.30656411
	2010	female	all maturity st	all shell condi	74.0123627	1	0.18126049
	2011	male	all maturity st	all shell condi	231.471892	1	3.13244437
	2011	female	all maturity st	all shell condi	61.7073076	1	0.16621521
	2012	male	all maturity st	all shell condi	205.804593	1	2.66522128
	2012	female	all maturity st	all shell condi	46.5287465	1	0.17611089
	2013	male	all maturity st	all shell condi	248.261976	1	2.62283556
	2013	female	all maturity st	all shell condi	210.489638	1	0.07276757
	2014	male	all maturity st	all shell condi	537.539709	1	2.50355046
	2014	female	all maturity st	all shell condi	65.086091	1	0.39140974
	2015	male	all maturity st	all shell condi	519.157799	1	1.94107322
	2015	female	all maturity st	all shell condi	111.322191	1	0.08965226
	2016	male	all maturity st	all shell condi	448.512336	1	2.41331487
	2016	female	all maturity st	all shell condi	115.680863	1	0.08990474
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.05721474	20	0.07201758
	1973	male	all maturity st	all shell condi	371.366107	1	-2.8623427
	1973	female	all maturity st	all shell condi	232.672825	1	5.29541589
	1974	male	all maturity st	all shell condi	709.873652	1	-2.0250207

1974	female	all maturity st	all shell condi	212.460248	1	3.36678954
1975	male	all maturity st	all shell condi	333.213951	1	-0.6741623
1975	female	all maturity st	all shell condi	199.273991	1	1.8681256
1976	male	all maturity st	all shell condi	178.332722	1	-7.3758469
1976	female	all maturity st	all shell condi	108.289762	1	20.5229173
1977	male	all maturity st	all shell condi	233.891502	1	-3.0722733
1977	female	all maturity st	all shell condi	325.529846	1	13.7878971
1978	male	all maturity st	all shell condi	248.595223	1	-3.9628056
1978	female	all maturity st	all shell condi	192.123496	1	22.329455
1979	male	all maturity st	all shell condi	584.092296	1	-2.2543553
1979	female	all maturity st	all shell condi	875.104411	1	9.64874978
1980	male	all maturity st	all shell condi	1080.51162	1	6.23117803
1980	female	all maturity st	all shell condi	424.171813	1	-1.2835875
1981	male	all maturity st	all shell condi	1035.29932	1	-1.5790762
1981	female	all maturity st	all shell condi	56.3020655	1	10.9449084
1982	male	all maturity st	all shell condi	528.133265	1	10.8616227
1982	female	all maturity st	all shell condi	62.2990749	1	13.7708569
1983	male	all maturity st	all shell condi	347.143109	1	31.4061202
1983	female	all maturity st	all shell condi	135.198166	1	-11.537657
1984	male	all maturity st	all shell condi	351.980961	1	39.9060573
1984	female	all maturity st	all shell condi	236.793381	1	-19.11721
1985	male	all maturity st	all shell condi	169.120485	1	27.814504
1985	female	all maturity st	all shell condi	280.170164	1	-7.5660119
1986	male	all maturity st	all shell condi	281.863756	1	12.4858353
1986	female	all maturity st	all shell condi	193.440351	1	-0.7385977
1987	male	all maturity st	all shell condi	266.603758	1	8.11352962
1987	female	all maturity st	all shell condi	672.499197	1	9.77467616
1988	male	all maturity st	all shell condi	402.168892	1	-0.6430127
1988	female	all maturity st	all shell condi	225.046289	1	12.4156059
1989	male	all maturity st	all shell condi	810.578576	1	-15.751021
1989	female	all maturity st	all shell condi	606.726328	1	26.4107119
1990	male	all maturity st	all shell condi	1013.3875	1	9.94520706
1990	female	all maturity st	all shell condi	312.900043	1	-1.4709488
1991	male	all maturity st	all shell condi	338.224558	1	-0.1083473
1991	female	all maturity st	all shell condi	188.217031	1	7.74953776
1992	male	all maturity st	all shell condi	179.848476	1	5.05447264
1992	female	all maturity st	all shell condi	63.2978129	1	3.18093831
1993	male	all maturity st	all shell condi	77.6379849	1	3.80330065
1993	female	all maturity st	all shell condi	92.6366702	1	-0.4474606
1994	male	all maturity st	all shell condi	241.289051	1	2.50668112
1994	female	all maturity st	all shell condi	426.541009	1	1.18498277

1995	male	all maturity st	all shell condi	59.1852079	1	10.3423486
1995	female	all maturity st	all shell condi	60.0423454	1	5.02433647
1996	male	all maturity st	all shell condi	181.810809	1	10.4904296
1996	female	all maturity st	all shell condi	584.157674	1	-3.2119153
1997	male	all maturity st	all shell condi	50.6806902	1	21.0261172
1997	female	all maturity st	all shell condi	187.630899	1	4.85107436
1998	male	all maturity st	all shell condi	124.550847	1	8.15298547
1998	female	all maturity st	all shell condi	325.756542	1	6.71702059
1999	male	all maturity st	all shell condi	489.964352	1	3.91422254
1999	female	all maturity st	all shell condi	1176.85667	1	2.0250003
2000	male	all maturity st	all shell condi	563.662703	1	4.4946301
2000	female	all maturity st	all shell condi	892.076101	1	-0.1310402
2001	male	all maturity st	all shell condi	756.025172	1	8.17758896
2001	female	all maturity st	all shell condi	1123.21729	1	-3.5814231
2002	male	all maturity st	all shell condi	423.499252	1	9.17827931
2002	female	all maturity st	all shell condi	896.602948	1	-0.1451487
2003	male	all maturity st	all shell condi	197.861281	1	4.72566557
2003	female	all maturity st	all shell condi	299.079941	1	5.21765027
2004	male	all maturity st	all shell condi	112.189711	1	-2.803653
2004	female	all maturity st	all shell condi	30.7550678	1	40.385579
2005	male	all maturity st	all shell condi	1404.49553	1	3.17667866
2005	female	all maturity st	all shell condi	1906.46174	1	0.79394437
2006	male	all maturity st	all shell condi	169.751948	1	13.1380452
2006	female	all maturity st	all shell condi	136.308786	1	4.00726433
2007	male	all maturity st	all shell condi	159.694655	1	10.495098
2007	female	all maturity st	all shell condi	83.731493	1	10.6402776
2008	male	all maturity st	all shell condi	169.391669	1	25.8698936
2008	female	all maturity st	all shell condi	161.294282	1	-8.059753
2009	male	all maturity st	all shell condi	292.377175	1	13.0156272
2009	female	all maturity st	all shell condi	514.351842	1	-6.6468647
2010	male	all maturity st	all shell condi	556.077717	1	5.00533944
2010	female	all maturity st	all shell condi	1997.05836	1	-1.9110187
2011	male	all maturity st	all shell condi	86.3919129	1	8.77012799
2011	female	all maturity st	all shell condi	69.2142614	1	21.7347122
2012	male	all maturity st	all shell condi	415.276745	1	-9.0329848
2012	female	all maturity st	all shell condi	104.278679	1	15.5123746
2013	male	all maturity st	all shell condi	354.667545	1	-1.2550931
2013	female	all maturity st	all shell condi	427.180242	1	13.5558885
2014	male	all maturity st	all shell condi	919.019704	1	9.08671419
2014	female	all maturity st	all shell condi	755.990679	1	-5.3234097
2015	male	all maturity st	all shell condi	204.95876	1	14.8995688

	2015	female	all maturity st	all shell condi	201.140939	1	4.09684562
	2016	male	all maturity st	all shell condi	222.900587	1	-5.886197
	2016	female	all maturity st	all shell condi	53.375561	1	25.9508524
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.18306024	20	0.38537707
all		female	all maturity st	all shell condi	0.00857268	20	0.00084514
	1992	male	all maturity st	all shell condi	34.6226695	1	2.88857892
	1992	female	all maturity st	all shell condi	83.0255678	1	0.12718465
	1993	male	all maturity st	all shell condi	34.6745545	1	9.32356165
	1993	female	all maturity st	all shell condi	279.533842	1	0.29299017
	1996	male	all maturity st	all shell condi	13.1995518	1	0.42541519
	1996	female	all maturity st	all shell condi	3.42409959	1	0.03211692
	1997	male	all maturity st	all shell condi	20.2665279	1	2.3792113
	1997	female	all maturity st	all shell condi	24.2514121	1	0.0635756
	1998	male	all maturity st	all shell condi	58.3647328	1	0.35864
	1998	female	all maturity st	all shell condi	20.8995217	1	0.06982226
	1999	male	all maturity st	all shell condi	50.2859212	1	0.28494858
	1999	female	all maturity st	all shell condi	17.3859536	1	0.02823492
	2000	male	all maturity st	all shell condi	130.21289	1	0.67404344
	2000	female	all maturity st	all shell condi	40.3774869	1	0.06573208
	2001	male	all maturity st	all shell condi	112.00728	1	0.27279956
	2001	female	all maturity st	all shell condi	50.4763125	1	0.03526408
	2002	male	all maturity st	all shell condi	85.5455671	1	0.52131498
	2002	female	all maturity st	all shell condi	36.396758	1	0.04949131
	2003	male	all maturity st	all shell condi	57.0563174	1	0.61626855
	2003	female	all maturity st	all shell condi	53.4885753	1	0.095055
	2004	male	all maturity st	all shell condi	31.0883448	1	0.8262893
	2004	female	all maturity st	all shell condi	20.5926842	1	0.0570379
	2005	male	all maturity st	all shell condi	37.8295881	1	1.79668172
	2005	female	all maturity st	all shell condi	12.734822	1	0.17130345
	2006	male	all maturity st	all shell condi	20.3441023	1	2.2872114
	2006	female	all maturity st	all shell condi	23.8930469	1	0.26798302
	2007	male	all maturity st	all shell condi	73.0249815	1	1.2324774
	2007	female	all maturity st	all shell condi	102.119574	1	0.08870837
	2008	male	all maturity st	all shell condi	76.0353872	1	2.17086906
	2008	female	all maturity st	all shell condi	92.3901758	1	0.12850756
	2009	male	all maturity st	all shell condi	20.4828025	1	7.98986798
	2009	female	all maturity st	all shell condi	108.017854	1	0.05160669
	2010	male	all maturity st	all shell condi	46.2985148	1	0.89310754
	2010	female	all maturity st	all shell condi	35.9742603	1	0.04473031

2011	male	all maturity st	all shell condi	59.7857177	1	0.32011686
2011	female	all maturity st	all shell condi	5.96974047	1	0.01932429
2012	male	all maturity st	all shell condi	55.2346752	1	0.70846405
2012	female	all maturity st	all shell condi	6.84890583	1	0.21381224
2013	male	all maturity st	all shell condi	94.3831827	1	1.04933012
2013	female	all maturity st	all shell condi	9.65230833	1	0.18034857
2014	male	all maturity st	all shell condi	156.597088	1	1.02879418
2014	female	all maturity st	all shell condi	19.2035653	1	0.07406416
2015	male	all maturity st	all shell condi	139.963683	1	0.84401162
2015	female	all maturity st	all shell condi	86.6957441	1	0.07262366
2016	male	all maturity st	all shell condi	21.9571109	1	7.096981
2016	female	all maturity st	all shell condi	19.160804	1	0.52484452
2015	male	immature	new shell	0.53812622	1	82.6341995
2016	male	immature	new shell	0.53812622	1	107.970468
2015	female	immature	new shell	0.30143835	1	68.1966268
2016	female	immature	new shell	0.30143835	1	58.7470508
1994	male	immature	new shell	0.60869688	0	11.4774443
1995	male	immature	new shell	0.60869688	0	30.9549223
1996	male	immature	new shell	0.60869688	0	307.039695
1997	male	immature	new shell	0.60869688	0	490.352496
1998	male	immature	new shell	0.60869688	0	571.017841
1999	male	immature	new shell	0.60869688	0	464.151605
2000	male	immature	new shell	0.60869688	0	666.508445
2001	male	immature	new shell	0.60869688	0	788.031844
2002	male	immature	new shell	0.60869688	0	853.172202
2003	male	immature	new shell	0.60869688	0	319.296255
2004	male	immature	new shell	0.60869688	0	182.319786
2005	male	immature	new shell	0.60869688	0	116.334468
2006	male	immature	new shell	0.60869688	0	14.7942023
2011	male	immature	new shell	0.60869688	0	1.91994934
2012	male	immature	new shell	0.60869688	0	3.02522293
1994	female	immature	new shell	0.44801221	0	14.2208134
1995	female	immature	new shell	0.44801221	0	13.9346919
1996	female	immature	new shell	0.44801221	0	206.220239
1997	female	immature	new shell	0.44801221	0	158.889962
1998	female	immature	new shell	0.44801221	0	218.816853
1999	female	immature	new shell	0.44801221	0	279.113024
2000	female	immature	new shell	0.44801221	0	531.153676
2001	female	immature	new shell	0.44801221	0	521.214775
2002	female	immature	new shell	0.44801221	0	326.174162
2003	female	immature	new shell	0.44801221	0	85.8713453

	2004	female	immature	new shell	0.44801221	0	92.1101187
	2005	female	immature	new shell	0.44801221	0	23.5460268
	2006	female	immature	new shell	0.44801221	0	7.41684548
	2012	female	immature	new shell	0.44801221	0	2.25394059
	1990	male		new shell	820.773092	0	304.583804
	1991	male		new shell	820.773092	0	238.43116
	1992	male		new shell	820.773092	0	51.1461686
	1993	male		new shell	820.773092	0	103.057424
	1994	male		new shell	820.773092	0	45.1608348
	1995	male		new shell	820.773092	0	27.0958605
	1997	male		new shell	820.773092	0	6.34651782
	1998	male		new shell	820.773092	0	109.337336
	1999	male		new shell	820.773092	0	19.0803744
	2000	male		new shell	820.773092	0	117.771061
	2001	male		new shell	820.773092	0	79.3761919
	2002	male		new shell	820.773092	0	47.4403086
	2003	male		new shell	820.773092	0	38.8697641
	2004	male		new shell	820.773092	0	51.7496629
	2005	male		new shell	820.773092	0	134.185154
	2008	male		new shell	820.773092	0	150.950663
	2010	male		new shell	820.773092	0	243.329851
	2012	male		new shell	820.773092	0	34.7077181
	2014	male		new shell	820.773092	0	99.1664349
	2016	male		new shell	820.773092	0	37.3502151
	2017	male		new shell	820.773092	0	66.1849655
all		male	immature	new shell	0.09975135	1	890.872015
all		male	mature	new shell	0.09975135	1	890.872015
all		male	immature	old shell	0.09975135	1	890.872015
all		male	mature	old shell	0.09975135	1	890.872015
all		female	immature	new shell	0.09975135	1	890.872015
all		female	mature	new shell	0.09975135	1	890.872015
all		female	immature	old shell	0.09975135	1	890.872015
all		female	mature	old shell	0.09975135	1	890.872015
all		male	immature	new shell	0.09975135	1	565.933574
all		male	mature	new shell	0.09975135	1	565.933574
all		male	immature	old shell	0.09975135	1	565.933574
all		male	mature	old shell	0.09975135	1	565.933574
all		female	immature	new shell	0.09975135	1	565.933574
all		female	mature	new shell	0.09975135	1	565.933574
all		female	immature	old shell	0.09975135	1	565.933574
all		female	mature	old shell	0.09975135	1	565.933574

all		male	immature	all shell condi	3.72672012	0	298.601522
all		male	mature	all shell condi	3.00784923	0	194.513875
all		female	immature	all shell condi	3.13223814	0	210.934689
all		female	mature	all shell condi	2.63029729	0	148.746972
all		male	mature	all shell condi	2.42795866	1	126.74214
all		female	mature	all shell condi	2.33950357	1	117.675455
	1975	male	immature	all shell condi	309.686784	1	18.5798568
	1975	male	mature	all shell condi	105.929039	1	36.3919311
	1975	female	immature	all shell condi	154.302619	1	5.82337117
	1975	female	mature	all shell condi	63.9322935	1	-9.0883449
	1976	male	immature	all shell condi	302.338671	1	16.0525499
	1976	male	mature	all shell condi	252.647597	1	1.39452817
	1976	female	immature	all shell condi	166.704616	1	11.0068195
	1976	female	mature	all shell condi	93.007772	1	0.1705389
	1977	male	immature	all shell condi	303.518814	1	0.92442399
	1977	male	mature	all shell condi	222.925423	1	-3.0251108
	1977	female	immature	all shell condi	69.2320548	1	28.1565131
	1977	female	mature	all shell condi	159.471935	1	4.68997171
	1978	male	immature	all shell condi	278.325784	1	-2.5708807
	1978	male	mature	all shell condi	297.270519	1	9.52025372
	1978	female	immature	all shell condi	88.7389925	1	10.7553124
	1978	female	mature	all shell condi	199.634768	1	6.86826145
	1979	male	immature	all shell condi	245.220776	1	8.06754565
	1979	male	mature	all shell condi	372.554461	1	-1.7708551
	1979	female	immature	all shell condi	198.623842	1	-10.656105
	1979	female	mature	all shell condi	113.141699	1	23.412154
	1980	male	immature	all shell condi	118.591343	1	23.1861651
	1980	male	mature	all shell condi	235.960978	1	-7.7098114
	1980	female	immature	all shell condi	481.60622	1	-5.8216989
	1980	female	mature	all shell condi	98.967093	1	12.5646143
	1981	male	immature	all shell condi	406.740449	1	8.43277839
	1981	male	mature	all shell condi	491.811248	1	-9.2200623
	1981	female	immature	all shell condi	113.316526	1	-7.1435889
	1981	female	mature	all shell condi	43.0578008	1	43.3078966
	1982	male	immature	all shell condi	172.870408	1	-8.6419872
	1982	male	mature	all shell condi	294.627224	1	-8.8750961
	1982	female	immature	all shell condi	105.85859	1	-7.7466954
	1982	female	mature	all shell condi	9.52439459	1	112.613473
	1983	male	immature	all shell condi	254.333155	1	0.37569356
	1983	male	mature	all shell condi	523.959036	1	0.21251413
	1983	female	immature	all shell condi	189.235628	1	4.89357457

1983	female	mature	all shell condi	167.858902	1	14.7266012
1984	male	immature	all shell condi	252.318606	1	-14.376929
1984	male	mature	all shell condi	192.044578	1	17.4740161
1984	female	immature	all shell condi	169.888076	1	-7.938913
1984	female	mature	all shell condi	93.166782	1	26.817107
1985	male	immature	all shell condi	154.428022	1	-15.313729
1985	male	mature	all shell condi	77.2334628	1	34.9537376
1985	female	immature	all shell condi	114.711252	1	-18.783819
1985	female	mature	all shell condi	80.1236802	1	34.5967614
1986	male	immature	all shell condi	350.510026	1	9.71734676
1986	male	mature	all shell condi	84.4445043	1	26.6427153
1986	female	immature	all shell condi	211.854381	1	-7.0359829
1986	female	mature	all shell condi	141.561274	1	-2.4335724
1987	male	immature	all shell condi	151.729396	1	10.9984719
1987	male	mature	all shell condi	538.310231	1	6.57181556
1987	female	immature	all shell condi	55.5506502	1	46.4022642
1987	female	mature	all shell condi	97.2226956	1	-7.878083
1988	male	immature	all shell condi	508.319362	1	7.36488853
1988	male	mature	all shell condi	484.130482	1	9.87870138
1988	female	immature	all shell condi	285.888138	1	-7.5761091
1988	female	mature	all shell condi	121.907909	1	8.73051279
1989	male	immature	all shell condi	237.754037	1	14.2120283
1989	male	mature	all shell condi	2244.51681	1	2.57352177
1989	female	immature	all shell condi	119.111694	1	13.3767247
1989	female	mature	all shell condi	106.597784	1	-9.9223702
1990	male	immature	all shell condi	994.470915	1	5.90452121
1990	male	mature	all shell condi	1563.13449	1	-3.9276558
1990	female	immature	all shell condi	299.109425	1	2.91922846
1990	female	mature	all shell condi	523.680251	1	2.70188582
1991	male	immature	all shell condi	315.182824	1	11.040268
1991	male	mature	all shell condi	3226.10185	1	-3.9389299
1991	female	immature	all shell condi	134.750866	1	4.1852884
1991	female	mature	all shell condi	1140.33539	1	1.4517066
1992	male	immature	all shell condi	681.847791	1	12.6078985
1992	male	mature	all shell condi	831.639073	1	7.13034135
1992	female	immature	all shell condi	237.431312	1	1.62262703
1992	female	mature	all shell condi	496.322073	1	-9.5674996
1993	male	immature	all shell condi	331.216705	1	19.5868565
1993	male	mature	all shell condi	673.504513	1	11.7379128
1993	female	immature	all shell condi	516.93556	1	2.4779694
1993	female	mature	all shell condi	142.564434	1	-20.084155

1994	male	immature	all shell condi	311.504414	1	10.8833633
1994	male	mature	all shell condi	1221.95496	1	2.90885804
1994	female	immature	all shell condi	90.3414569	1	17.1056947
1994	female	mature	all shell condi	215.368231	1	-16.08965
1995	male	immature	all shell condi	308.97679	1	-3.0021534
1995	male	mature	all shell condi	916.256631	1	1.32562778
1995	female	immature	all shell condi	379.065813	1	-2.8253099
1995	female	mature	all shell condi	257.388618	1	16.2402339
1996	male	immature	all shell condi	489.796348	1	0.64736998
1996	male	mature	all shell condi	972.519778	1	2.2174144
1996	female	immature	all shell condi	328.610065	1	-1.7112221
1996	female	mature	all shell condi	434.991482	1	8.41151581
1997	male	immature	all shell condi	511.247771	1	4.75182749
1997	male	mature	all shell condi	715.525207	1	-4.1792071
1997	female	immature	all shell condi	92.7590313	1	20.1569286
1997	female	mature	all shell condi	476.15364	1	-7.6739359
1998	male	immature	all shell condi	364.693417	1	13.0786764
1998	male	mature	all shell condi	896.398515	1	-1.3599887
1998	female	immature	all shell condi	478.785046	1	12.6483259
1998	female	mature	all shell condi	159.671809	1	-10.484849
1999	male	immature	all shell condi	160.531231	1	13.7316306
1999	male	mature	all shell condi	389.884118	1	5.96657773
1999	female	immature	all shell condi	114.077371	1	8.97218028
1999	female	mature	all shell condi	400.369247	1	-4.5322824
2000	male	immature	all shell condi	239.234935	1	5.46710674
2000	male	mature	all shell condi	669.634595	1	9.36982707
2000	female	immature	all shell condi	399.092049	1	-1.7552445
2000	female	mature	all shell condi	258.772404	1	-1.8153456
2001	male	immature	all shell condi	392.312967	1	8.85144659
2001	male	mature	all shell condi	1175.36619	1	-2.0391257
2001	female	immature	all shell condi	261.133788	1	12.268338
2001	female	mature	all shell condi	270.742043	1	-5.8252309
2002	male	immature	all shell condi	201.183977	1	8.02140855
2002	male	mature	all shell condi	824.916972	1	1.59349161
2002	female	immature	all shell condi	132.736322	1	13.6820403
2002	female	mature	all shell condi	459.716756	1	-5.8261073
2003	male	immature	all shell condi	319.247366	1	6.13591028
2003	male	mature	all shell condi	628.564003	1	6.94428695
2003	female	immature	all shell condi	339.399382	1	-7.4933179
2003	female	mature	all shell condi	416.59299	1	6.93062857
2004	male	immature	all shell condi	243.096686	1	1.71717516

2004	male	mature	all shell condi	227.002918	1	22.0760398
2004	female	immature	all shell condi	110.513937	1	13.0535951
2004	female	mature	all shell condi	226.896494	1	-6.1118824
2005	male	immature	all shell condi	487.119032	1	2.68823827
2005	male	mature	all shell condi	1206.76958	1	0.47611475
2005	female	immature	all shell condi	340.666763	1	15.5240228
2005	female	mature	all shell condi	506.189834	1	-6.2554279
2006	male	immature	all shell condi	246.942105	1	15.1142215
2006	male	mature	all shell condi	376.304407	1	8.61628321
2006	female	immature	all shell condi	201.148036	1	5.92730012
2006	female	mature	all shell condi	280.495473	1	-9.461649
2007	male	immature	all shell condi	180.997359	1	29.9929893
2007	male	mature	all shell condi	227.297135	1	14.1424673
2007	female	immature	all shell condi	426.902656	1	-2.1670621
2007	female	mature	all shell condi	106.421683	1	-15.013953
2008	male	immature	all shell condi	394.579323	1	13.8507721
2008	male	mature	all shell condi	269.671085	1	15.0789629
2008	female	immature	all shell condi	710.877142	1	-2.3126203
2008	female	mature	all shell condi	288.42869	1	-11.931348
2009	male	immature	all shell condi	87.0153227	1	4.8275859
2009	male	mature	all shell condi	236.729046	1	16.7143192
2009	female	immature	all shell condi	89.3996124	1	1.46727036
2009	female	mature	all shell condi	2762.10326	1	1.00944668
2010	male	immature	all shell condi	220.762667	1	0.69720191
2010	male	mature	all shell condi	280.071983	1	16.9071609
2010	female	immature	all shell condi	196.135028	1	-2.0961919
2010	female	mature	all shell condi	2370.3753	1	-2.9576852
2011	male	immature	all shell condi	363.142991	1	11.7153698
2011	male	mature	all shell condi	924.715263	1	2.52857667
2011	female	immature	all shell condi	155.431529	1	10.1929545
2011	female	mature	all shell condi	233.895762	1	-6.5288588
2012	male	immature	all shell condi	286.533021	1	21.2997272
2012	male	mature	all shell condi	333.354555	1	6.57262582
2012	female	immature	all shell condi	173.850622	1	-3.0706004
2012	female	mature	all shell condi	390.92345	1	-4.8648684
2013	male	immature	all shell condi	823.268184	1	12.0338667
2013	male	mature	all shell condi	233.600186	1	13.4387835
2013	female	immature	all shell condi	273.793886	1	-3.9915933
2013	female	mature	all shell condi	550.839289	1	-5.7639764
2014	male	immature	all shell condi	452.641031	1	14.9155983
2014	male	mature	all shell condi	243.213308	1	13.3641533

	2014	female	immature	all shell condi	100.566211	1	12.3016317
	2014	female	mature	all shell condi	194.571542	1	-13.180689
	2015	male	immature	all shell condi	841.781615	1	10.6642689
	2015	male	mature	all shell condi	445.360317	1	8.32465227
	2015	female	immature	all shell condi	412.194266	1	2.6907665
	2015	female	mature	all shell condi	377.79657	1	-7.5349153
	2016	male	immature	all shell condi	418.417578	1	11.6276765
	2016	male	mature	all shell condi	156.331448	1	24.4233549
	2016	female	immature	all shell condi	264.236328	1	2.47846018
	2016	female	mature	all shell condi	186.525937	1	-12.499515
	2017	male	immature	all shell condi	98.871392	1	-4.0552003
	2017	male	mature	all shell condi	138.005932	1	26.3080294
	2017	female	immature	all shell condi	58.6812984	1	9.97669664
	2017	female	mature	all shell condi	762.099862	1	-1.1084248
all		male	all maturity st	new shell	4.05234641	0	353.062496
all		male	all maturity st	old shell	4.79365748	0	494.05177
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	3.49435669	0	262.526366
all		male	all maturity st	old shell	4.20351316	0	379.894742
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
	1975	male	all maturity st	new shell	51.4991406	0	36.9908425
	1975	male	all maturity st	old shell	40.4998821	0	27.6206575
	1976	male	all maturity st	new shell	69.6130691	0	20.924977
	1976	male	all maturity st	old shell	25.2563387	0	46.4814868
	1977	male	all maturity st	new shell	75.8123903	0	22.3058259
	1977	male	all maturity st	old shell	92.9128052	0	17.372369
	1978	male	all maturity st	new shell	74.1215424	0	19.7859069
	1978	male	all maturity st	old shell	49.8086365	0	28.9409675
	1979	male	all maturity st	new shell	153.571935	0	6.10081627
	1979	male	all maturity st	old shell	28.3356325	0	53.8886386
	1980	male	all maturity st	new shell	89.4528118	0	9.54350543
	1980	male	all maturity st	old shell	22.0799588	0	80.3875777
	1981	male	all maturity st	new shell	74.2704611	0	15.3760256
	1981	male	all maturity st	old shell	21.0768541	0	55.4116129
	1982	male	all maturity st	new shell	36.4242844	0	30.8094424
	1982	male	all maturity st	old shell	225.608957	0	4.89658339
	1983	male	all maturity st	new shell	81.3720243	0	13.0876216
	1983	male	all maturity st	old shell	63.1532602	0	17.5747094
	1984	male	all maturity st	new shell	156.787709	0	4.78114136

1984	male	all maturity st	old shell	55.1905766	0	19.291835
1985	male	all maturity st	new shell	67.1854405	0	19.5126756
1985	male	all maturity st	old shell	46.031719	0	24.2573705
1986	male	all maturity st	new shell	78.5686	0	15.0388256
1986	male	all maturity st	old shell	68.9799482	0	11.9791812
1987	male	all maturity st	new shell	58.6276817	0	13.8171059
1987	male	all maturity st	old shell	189.419202	0	6.53632573
1988	male	all maturity st	new shell	112.211557	0	9.05457843
1988	male	all maturity st	old shell	244.977915	0	6.99972207
1989	male	all maturity st	new shell	174.290655	0	6.54605283
1989	male	all maturity st	old shell	150.399144	0	9.12247383
1990	male	all maturity st	new shell	577.809713	0	2.38391579
1990	male	all maturity st	old shell	397.911945	0	4.13531016
1991	male	all maturity st	new shell	219.001981	0	5.26122671
1991	male	all maturity st	old shell	623.531073	0	1.87276643
1992	male	all maturity st	new shell	251.493291	0	5.03340842
1992	male	all maturity st	old shell	202.698929	0	4.7578127
1993	male	all maturity st	new shell	271.391788	0	4.34782143
1993	male	all maturity st	old shell	349.939234	0	2.81061432
1994	male	all maturity st	new shell	202.91923	0	4.55954479
1994	male	all maturity st	old shell	222.864293	0	3.93178415
1995	male	all maturity st	new shell	73.1329597	0	10.8601692
1995	male	all maturity st	old shell	171.477997	0	6.38856904
1996	male	all maturity st	new shell	94.9745306	0	13.0353539
1996	male	all maturity st	old shell	127.718825	0	6.49926083
1997	male	all maturity st	new shell	125.292704	0	8.64483003
1997	male	all maturity st	old shell	238.021261	0	4.68636053
1998	male	all maturity st	new shell	306.029535	0	3.46923831
1998	male	all maturity st	old shell	154.762698	0	6.37557313
1999	male	all maturity st	new shell	64.765481	0	14.9053955
1999	male	all maturity st	old shell	71.1087979	0	13.6920937
2000	male	all maturity st	new shell	142.099885	0	5.27458976
2000	male	all maturity st	old shell	123.538862	0	9.11042138
2001	male	all maturity st	new shell	213.711019	0	4.79783499
2001	male	all maturity st	old shell	258.410828	0	5.0797512
2002	male	all maturity st	new shell	83.9073686	0	10.1485451
2002	male	all maturity st	old shell	177.630723	0	4.50738137
2003	male	all maturity st	new shell	131.213144	0	7.32104667
2003	male	all maturity st	old shell	183.659715	0	5.18802373
2004	male	all maturity st	new shell	114.672019	0	7.9084714
2004	male	all maturity st	old shell	38.0560542	0	81.8996882

	2005	male	all maturity st	new shell	236.055194	0	5.19383281
	2005	male	all maturity st	old shell	136.192913	0	8.20292997
	2006	male	all maturity st	new shell	124.830726	0	10.1646154
	2006	male	all maturity st	old shell	195.409945	0	7.20685124
	2007	male	all maturity st	new shell	241.147522	0	6.34944783
	2007	male	all maturity st	old shell	95.2720547	0	17.3193598
	2008	male	all maturity st	new shell	168.827047	0	6.74788525
	2008	male	all maturity st	old shell	60.6453986	0	19.283221
	2009	male	all maturity st	new shell	27.4892286	0	23.0917548
	2009	male	all maturity st	old shell	65.8319308	0	14.5064994
	2010	male	all maturity st	new shell	48.318775	0	21.2436709
	2010	male	all maturity st	old shell	94.6147141	0	11.122211
	2011	male	all maturity st	new shell	142.041946	0	5.00663613
	2011	male	all maturity st	old shell	118.371494	0	8.08118713
	2012	male	all maturity st	new shell	185.66341	0	4.77846105
	2012	male	all maturity st	old shell	138.955779	0	9.18056399
	2013	male	all maturity st	new shell	172.009246	0	6.9845112
	2013	male	all maturity st	old shell	100.980058	0	15.7013966
	2014	male	all maturity st	new shell	239.890995	0	5.60056719
	2014	male	all maturity st	old shell	122.12755	0	9.05949039
	2015	male	all maturity st	new shell	374.622306	0	5.05201438
	2015	male	all maturity st	old shell	165.468835	0	7.25842582
	2016	male	all maturity st	new shell	135.475083	0	10.831894
	2016	male	all maturity st	old shell	106.232572	0	10.8596059
	2017	male	all maturity st	new shell	29.4780418	0	13.2136503
	2017	male	all maturity st	old shell	109.192376	0	9.66833526
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.13223814	0	210.934689
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.61835281	0	147.399086
all		female	mature	old shell	3.16177788	0	214.932047
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.01424941	0	195.342539
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.58815017	0	144.018207

all		female	mature	old shell	2.80477362	0	169.135234
	1975	female	immature	new shell	16.9664034	0	26.9778923
	1975	female	mature	new shell	40.1433583	0	7.41531188
	1975	female	mature	old shell	7.55860237	0	34.7084163
	1976	female	immature	new shell	35.4794907	0	10.6595164
	1976	female	mature	new shell	39.0512968	0	8.06864453
	1976	female	mature	old shell	8.10108759	0	35.6767458
	1977	female	immature	new shell	42.6171798	0	6.69806612
	1977	female	mature	new shell	37.6421514	0	10.6204932
	1977	female	mature	old shell	18.5338216	0	16.9588401
	1978	female	immature	new shell	22.123088	0	10.6378715
	1978	female	mature	new shell	90.0833375	0	3.97289296
	1978	female	mature	old shell	24.1532709	0	12.0496176
	1979	female	immature	new shell	55.5169345	0	3.76804374
	1979	female	mature	new shell	83.8461835	0	5.75674261
	1979	female	mature	old shell	17.7504078	0	16.9957439
	1980	female	immature	new shell	110.022207	0	2.61880199
	1980	female	mature	new shell	16.4304741	0	11.7522158
	1980	female	mature	old shell	14.8107076	0	19.7293477
	1981	female	immature	new shell	35.1055837	0	13.4480355
	1981	female	mature	new shell	12.1898545	0	25.2927626
	1981	female	mature	old shell	46.5328668	0	7.19518327
	1982	female	immature	new shell	34.8339308	0	19.2240658
	1982	female	mature	new shell	8.94135051	0	25.3104551
	1982	female	mature	old shell	29.8175568	0	8.80609447
	1983	female	immature	new shell	42.691481	0	7.06914934
	1983	female	mature	new shell	53.3802822	0	8.22988608
	1983	female	mature	old shell	109.640712	0	2.54099703
	1984	female	immature	new shell	42.0414476	0	4.93302542
	1984	female	mature	new shell	34.9441899	0	6.46020728
	1984	female	mature	old shell	242.132352	0	2.05089661
	1985	female	immature	new shell	157.113596	0	3.68181376
	1985	female	mature	new shell	11.037253	0	41.9025803
	1985	female	mature	old shell	298.464571	0	2.45820049
	1986	female	immature	new shell	95.37443	0	5.0386833
	1986	female	mature	new shell	6.38720308	0	38.3452682
	1986	female	mature	old shell	28.3009001	0	11.1675147
	1987	female	immature	new shell	20.9962699	0	29.1785895
	1987	female	mature	new shell	35.4219108	0	11.0202035
	1987	female	mature	old shell	20.5046134	0	19.1093849
	1988	female	immature	new shell	144.071767	0	4.57994005

1988	female	mature	new shell	17.4776435	0	20.1958184
1988	female	mature	old shell	32.0027033	0	11.0298148
1989	female	immature	new shell	40.8217479	0	6.56938257
1989	female	mature	new shell	29.1146993	0	10.4949432
1989	female	mature	old shell	44.6700585	0	9.85096509
1990	female	immature	new shell	58.4689747	0	4.995151
1990	female	mature	new shell	191.828466	0	1.91406919
1990	female	mature	old shell	40.6393047	0	9.28871079
1991	female	immature	new shell	18.5009372	0	16.0563654
1991	female	mature	new shell	116.534483	0	2.33343492
1991	female	mature	old shell	158.695213	0	2.80379388
1992	female	immature	new shell	22.688518	0	18.1003654
1992	female	mature	new shell	84.5037845	0	4.99021648
1992	female	mature	old shell	135.958571	0	2.63241471
1993	female	immature	new shell	47.1640496	0	10.049665
1993	female	mature	new shell	30.4642406	0	8.64006032
1993	female	mature	old shell	184.509471	0	1.91268409
1994	female	immature	new shell	28.2898195	0	11.4580362
1994	female	mature	new shell	32.6696309	0	11.5428322
1994	female	mature	old shell	240.185343	0	1.76284288
1995	female	immature	new shell	72.5274614	0	6.91462257
1995	female	mature	new shell	25.7262135	0	14.9583414
1995	female	mature	old shell	509.570132	0	0.70696763
1996	female	immature	new shell	70.848754	0	7.27553174
1996	female	mature	new shell	25.6662505	0	11.2578223
1996	female	mature	old shell	210.981509	0	1.54993911
1997	female	immature	new shell	51.37364	0	4.6945862
1997	female	mature	new shell	81.2290741	0	3.67556299
1997	female	mature	old shell	182.065443	0	2.31017184
1998	female	immature	new shell	302.366753	0	1.80226719
1998	female	mature	new shell	46.9652249	0	7.24216002
1998	female	mature	old shell	195.097927	0	2.75153201
1999	female	immature	new shell	38.2852305	0	8.06163312
1999	female	mature	new shell	15.1856389	0	15.5386571
1999	female	mature	old shell	118.22396	0	2.65187329
2000	female	immature	new shell	109.32056	0	2.32706854
2000	female	mature	new shell	28.0339693	0	9.37632686
2000	female	mature	old shell	27.5133615	0	12.0850743
2001	female	immature	new shell	154.574401	0	2.25822444
2001	female	mature	new shell	116.253384	0	5.29899206
2001	female	mature	old shell	41.8029369	0	6.17747103

2002	female	immature	new shell	59.5769097	0	4.8246933
2002	female	mature	new shell	39.5245258	0	8.52644777
2002	female	mature	old shell	68.3432306	0	3.38833828
2003	female	immature	new shell	114.767523	0	3.14221592
2003	female	mature	new shell	137.099137	0	2.61358477
2003	female	mature	old shell	52.4478684	0	8.72015102
2004	female	immature	new shell	39.8059287	0	9.46699924
2004	female	mature	new shell	203.46318	0	1.19841227
2004	female	mature	old shell	42.7899478	0	10.2542873
2005	female	immature	new shell	331.752371	0	2.34881425
2005	female	mature	new shell	112.335761	0	3.9615801
2005	female	mature	old shell	319.04518	0	2.69378479
2006	female	immature	new shell	49.0065405	0	7.47267152
2006	female	mature	new shell	214.630594	0	2.26109709
2006	female	mature	old shell	155.866266	0	3.22185504
2007	female	immature	new shell	83.9874262	0	5.18319574
2007	female	mature	new shell	47.108723	0	7.31063571
2007	female	mature	old shell	673.650801	0	0.73580256
2008	female	immature	new shell	114.650484	0	3.62090262
2008	female	mature	new shell	119.173957	0	4.30167979
2008	female	mature	old shell	487.593536	0	0.98930084
2009	female	immature	new shell	25.2036507	0	9.53655229
2009	female	mature	new shell	28.7430248	0	7.21187063
2009	female	mature	old shell	612.99289	0	0.6666028
2010	female	immature	new shell	74.2683378	0	4.51461969
2010	female	mature	new shell	266.838852	0	1.71820499
2010	female	mature	old shell	846.254473	0	0.65224997
2011	female	immature	new shell	50.8906831	0	7.64864829
2011	female	mature	new shell	27.3353304	0	8.19501404
2011	female	mature	old shell	201.563709	0	2.27519333
2012	female	immature	new shell	55.3758683	0	7.47723786
2012	female	mature	new shell	28.8014102	0	7.78551604
2012	female	mature	old shell	235.426859	0	1.38179513
2013	female	immature	new shell	70.9285046	0	6.98996519
2013	female	mature	new shell	490.834773	0	1.04672437
2013	female	mature	old shell	49.5505008	0	5.85452183
2014	female	immature	new shell	15.7973142	0	25.1679935
2014	female	mature	new shell	66.1500254	0	3.28074343
2014	female	mature	old shell	61.4624174	0	5.28358014
2015	female	immature	new shell	51.6517133	0	9.57873548
2015	female	mature	new shell	17.3679807	0	13.5320465

	2015	female	mature	old shell	172.593103	0	2.11414332
	2016	female	immature	new shell	31.4892132	0	13.7469917
	2016	female	mature	new shell	48.0543863	0	9.63120283
	2016	female	mature	old shell	62.8969421	0	4.28243407
	2017	female	immature	new shell	13.3135725	0	15.4000543
	2017	female	mature	new shell	32.230113	0	16.5060131
	2017	female	mature	old shell	96.9256681	0	2.28824717
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.19929653	20	0.75466303
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	22.089385	1	18.7980785
	1981	male	all maturity st	all shell condi	1056.01891	1	0.46515137
	1982	male	all maturity st	all shell condi	2116.48519	1	0.24730857
	1983	male	all maturity st	all shell condi	53.1982177	1	1.06298304
	1984	male	all maturity st	all shell condi	381.066928	1	0.18484818
	1988	male	all maturity st	all shell condi	135.648499	1	3.85074129
	1989	male	all maturity st	all shell condi	1470.53704	1	0.10039616
	1990	male	all maturity st	all shell condi	356.014592	1	3.77596273
	1991	male	all maturity st	all shell condi	201.330868	1	4.66403724
	1992	male	all maturity st	all shell condi	96.8864911	1	8.63156407
	1993	male	all maturity st	all shell condi	164.236143	1	4.18797507
	1994	male	all maturity st	all shell condi	166.353518	1	4.6659987
	1995	male	all maturity st	all shell condi	295.390789	1	0.2082287
	1996	male	all maturity st	all shell condi	204.963742	1	0.66328479
	2005	male	all maturity st	all shell condi	14.7447612	1	1.32067693
	2006	male	all maturity st	all shell condi	246.884278	1	0.33702988
	2007	male	all maturity st	all shell condi	1510.16783	1	0.17590599
	2008	male	all maturity st	all shell condi	851.374103	1	0.20648261
	2009	male	all maturity st	all shell condi	139.66317	1	0.44600826
	2013	male	all maturity st	all shell condi	637.112242	1	0.27748477
	2014	male	all maturity st	all shell condi	263.925128	1	2.47773765
	2015	male	all maturity st	all shell condi	198.779066	1	5.60203835
all		male	all maturity st	all shell condi	0.20333758	20	0.26875011
all		female	all maturity st	all shell condi	0.56314495	20	2.06135955
	1991	male	all maturity st	all shell condi	1301.60072	1	1.07532357
	1991	female	all maturity st	all shell condi	556.084899	1	1.31866272
	1992	male	all maturity st	all shell condi	109.271337	1	20.1868493
	1992	female	all maturity st	all shell condi	446.520854	1	0.57105352
	1993	male	all maturity st	all shell condi	227.659654	1	7.72129188
	1993	female	all maturity st	all shell condi	332.868527	1	1.07570021

	1994	male	all maturity st	all shell condi	533.8507	1	0.71637843
	1994	female	all maturity st	all shell condi	58.1841988	1	1.34447211
	1995	male	all maturity st	all shell condi	274.246237	1	0.74135954
	1995	female	all maturity st	all shell condi	88.2430809	1	0.95993397
	1996	male	all maturity st	all shell condi	28.339708	1	1.38844203
	1996	female	all maturity st	all shell condi	273.31264	1	0.05371044
	2005	male	all maturity st	all shell condi	106.606755	1	13.6495249
	2005	female	all maturity st	all shell condi	39.0692786	1	0.94788952
	2006	male	all maturity st	all shell condi	311.22642	1	3.64084247
	2006	female	all maturity st	all shell condi	400.225209	1	0.78478593
	2007	male	all maturity st	all shell condi	422.955406	1	4.73538155
	2007	female	all maturity st	all shell condi	304.886828	1	0.38076757
	2008	male	all maturity st	all shell condi	1051.78448	1	1.99242206
	2008	female	all maturity st	all shell condi	45.0666071	1	0.32261385
	2009	male	all maturity st	all shell condi	182.709382	1	5.15478596
	2009	female	all maturity st	all shell condi	24.0216384	1	0.18171449
	2013	male	all maturity st	all shell condi	1697.96414	1	0.85604745
	2013	female	all maturity st	all shell condi	63.6963798	1	0.6148866
	2014	male	all maturity st	all shell condi	227.55481	1	9.90899047
	2014	female	all maturity st	all shell condi	188.132771	1	0.19245385
	2015	male	all maturity st	all shell condi	138.381318	1	12.6214888
	2015	female	all maturity st	all shell condi	73.5656613	1	1.10608797
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.07935928	20	0.07872368
all		female	all maturity st	all shell condi	0.33611014	20	1.41212536
	1992	male	all maturity st	all shell condi	173.200746	1	2.75354746
	1992	female	all maturity st	all shell condi	18.3434086	1	0.9794794
	1993	male	all maturity st	all shell condi	110.322335	1	3.15037689
	1993	female	all maturity st	all shell condi	31.521963	1	1.16059701
	1994	male	all maturity st	all shell condi	36.5791477	1	3.49694419
	1994	female	all maturity st	all shell condi	40.4805799	1	1.86961327
	1995	male	all maturity st	all shell condi	81.322232	1	1.01882229
	1995	female	all maturity st	all shell condi	44.428409	1	0.27453378
	1996	male	all maturity st	all shell condi	377.832103	1	1.33137265
	1996	female	all maturity st	all shell condi	48.3103433	1	0.40691406
	1997	male	all maturity st	all shell condi	464.417126	1	0.81663559
	1997	female	all maturity st	all shell condi	118.588477	1	0.18602667
	1998	male	all maturity st	all shell condi	1245.45284	1	0.19501265
	1998	female	all maturity st	all shell condi	20.7310014	1	0.32232565
	1999	male	all maturity st	all shell condi	156.816741	1	0.313903

	1999	female	all maturity st	all shell condi	29.4684209	1	0.07121887
	2000	male	all maturity st	all shell condi	308.213331	1	0.27236138
	2000	female	all maturity st	all shell condi	29.6584839	1	0.10062532
	2001	male	all maturity st	all shell condi	420.065566	1	0.404945
	2001	female	all maturity st	all shell condi	106.583179	1	0.06453812
	2002	male	all maturity st	all shell condi	56.1351838	1	0.82892559
	2002	female	all maturity st	all shell condi	46.2668079	1	0.06348151
	2003	male	all maturity st	all shell condi	108.282088	1	0.39476841
	2003	female	all maturity st	all shell condi	44.1798217	1	0.0997349
	2004	male	all maturity st	all shell condi	22.3049314	1	1.87511499
	2004	female	all maturity st	all shell condi	31.1701239	1	0.82162943
	2005	male	all maturity st	all shell condi	121.023318	1	4.5848866
	2005	female	all maturity st	all shell condi	148.966784	1	0.13169678
	2006	male	all maturity st	all shell condi	75.1472769	1	6.05774018
	2006	female	all maturity st	all shell condi	55.9611738	1	1.01786123
	2007	male	all maturity st	all shell condi	376.323297	1	2.22092433
	2007	female	all maturity st	all shell condi	46.1299627	1	0.41639551
	2008	male	all maturity st	all shell condi	98.1156902	1	6.80582028
	2008	female	all maturity st	all shell condi	14.8483996	1	2.18123969
	2009	male	all maturity st	all shell condi	490.689082	1	2.0293983
	2009	female	all maturity st	all shell condi	20.0171659	1	0.95620288
	2010	male	all maturity st	all shell condi	360.753922	1	1.33747504
	2010	female	all maturity st	all shell condi	68.7205217	1	0.19220389
	2011	male	all maturity st	all shell condi	225.879151	1	3.14582694
	2011	female	all maturity st	all shell condi	59.918155	1	0.17359295
	2012	male	all maturity st	all shell condi	228.238889	1	2.5337866
	2012	female	all maturity st	all shell condi	43.6372545	1	0.19101527
	2013	male	all maturity st	all shell condi	246.25073	1	2.67463165
	2013	female	all maturity st	all shell condi	231.256561	1	0.07002261
	2014	male	all maturity st	all shell condi	533.182792	1	2.50665258
	2014	female	all maturity st	all shell condi	64.5743258	1	0.39524171
	2015	male	all maturity st	all shell condi	516.870014	1	1.88230702
	2015	female	all maturity st	all shell condi	115.177214	1	0.08807232
	2016	male	all maturity st	all shell condi	416.025585	1	2.42230177
	2016	female	all maturity st	all shell condi	125.388854	1	0.08648448
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.0552659	20	0.06719504
	1973	male	all maturity st	all shell condi	369.062087	1	-2.239131
	1973	female	all maturity st	all shell condi	311.251951	1	4.46701008
	1974	male	all maturity st	all shell condi	848.963821	1	-1.5615551
	1974	female	all maturity st	all shell condi	245.636267	1	2.75950617

1975	male	all maturity st	all shell condi	352.164707	1	-0.4827687
1975	female	all maturity st	all shell condi	229.196289	1	1.60252049
1976	male	all maturity st	all shell condi	201.041743	1	-7.1850453
1976	female	all maturity st	all shell condi	126.905201	1	18.6683093
1977	male	all maturity st	all shell condi	249.495095	1	-2.5616501
1977	female	all maturity st	all shell condi	353.873994	1	12.7496474
1978	male	all maturity st	all shell condi	254.2484	1	-2.2056812
1978	female	all maturity st	all shell condi	209.104401	1	19.8353398
1979	male	all maturity st	all shell condi	653.955502	1	0.85555704
1979	female	all maturity st	all shell condi	1186.45735	1	5.67715851
1980	male	all maturity st	all shell condi	1062.46336	1	8.84207193
1980	female	all maturity st	all shell condi	387.372162	1	-3.5708158
1981	male	all maturity st	all shell condi	923.4444	1	-0.9330311
1981	female	all maturity st	all shell condi	58.3446438	1	9.85569102
1982	male	all maturity st	all shell condi	468.720283	1	10.3446568
1982	female	all maturity st	all shell condi	65.3536603	1	13.4528865
1983	male	all maturity st	all shell condi	331.774167	1	29.5078042
1983	female	all maturity st	all shell condi	158.039702	1	-10.180652
1984	male	all maturity st	all shell condi	415.894551	1	33.3048682
1984	female	all maturity st	all shell condi	289.342538	1	-16.219835
1985	male	all maturity st	all shell condi	175.199502	1	24.7489029
1985	female	all maturity st	all shell condi	254.238764	1	-5.2404115
1986	male	all maturity st	all shell condi	317.352766	1	11.7054998
1986	female	all maturity st	all shell condi	190.409062	1	-0.7634608
1987	male	all maturity st	all shell condi	254.637348	1	8.46545098
1987	female	all maturity st	all shell condi	627.014161	1	9.8201676
1988	male	all maturity st	all shell condi	430.261755	1	-0.5396171
1988	female	all maturity st	all shell condi	217.708487	1	12.4146677
1989	male	all maturity st	all shell condi	873.436313	1	-14.588328
1989	female	all maturity st	all shell condi	695.97952	1	24.1226472
1990	male	all maturity st	all shell condi	1417.12514	1	10.1638682
1990	female	all maturity st	all shell condi	424.959189	1	-4.2886021
1991	male	all maturity st	all shell condi	493.91826	1	-0.4824748
1991	female	all maturity st	all shell condi	260.222816	1	6.24435834
1992	male	all maturity st	all shell condi	209.148661	1	4.6072634
1992	female	all maturity st	all shell condi	72.4360299	1	2.46305478
1993	male	all maturity st	all shell condi	81.4744939	1	3.64663833
1993	female	all maturity st	all shell condi	97.4535006	1	-0.3461239
1994	male	all maturity st	all shell condi	257.404854	1	1.90520478
1994	female	all maturity st	all shell condi	462.531111	1	1.96044088
1995	male	all maturity st	all shell condi	69.1555965	1	7.85112356

1995	female	all maturity st	all shell condi	80.9053685	1	4.5010816
1996	male	all maturity st	all shell condi	223.55096	1	7.4252259
1996	female	all maturity st	all shell condi	403.264698	1	-0.5326048
1997	male	all maturity st	all shell condi	46.9577385	1	20.331784
1997	female	all maturity st	all shell condi	172.103339	1	7.99777982
1998	male	all maturity st	all shell condi	105.181686	1	7.14621968
1998	female	all maturity st	all shell condi	218.904899	1	10.4032469
1999	male	all maturity st	all shell condi	418.291785	1	2.40119847
1999	female	all maturity st	all shell condi	793.136748	1	4.32570323
2000	male	all maturity st	all shell condi	541.05107	1	3.32922763
2000	female	all maturity st	all shell condi	1037.93071	1	0.9913212
2001	male	all maturity st	all shell condi	721.760237	1	7.55086718
2001	female	all maturity st	all shell condi	1132.71958	1	-2.8833675
2002	male	all maturity st	all shell condi	405.665936	1	9.30982023
2002	female	all maturity st	all shell condi	886.740589	1	0.06983768
2003	male	all maturity st	all shell condi	191.461452	1	4.93259218
2003	female	all maturity st	all shell condi	293.169471	1	5.32288654
2004	male	all maturity st	all shell condi	111.411137	1	-2.3528571
2004	female	all maturity st	all shell condi	31.1982049	1	39.9522239
2005	male	all maturity st	all shell condi	1330.24941	1	3.84370347
2005	female	all maturity st	all shell condi	1875.74528	1	0.08193624
2006	male	all maturity st	all shell condi	176.740972	1	13.5884568
2006	female	all maturity st	all shell condi	142.233745	1	3.09238086
2007	male	all maturity st	all shell condi	152.903836	1	11.7935552
2007	female	all maturity st	all shell condi	83.8789106	1	9.42355651
2008	male	all maturity st	all shell condi	157.537546	1	27.9796361
2008	female	all maturity st	all shell condi	146.121683	1	-8.9522895
2009	male	all maturity st	all shell condi	303.762157	1	13.5591719
2009	female	all maturity st	all shell condi	460.630292	1	-7.2034707
2010	male	all maturity st	all shell condi	568.490683	1	4.87782094
2010	female	all maturity st	all shell condi	1827.37715	1	-1.8350539
2011	male	all maturity st	all shell condi	84.5555089	1	8.78494196
2011	female	all maturity st	all shell condi	65.5677905	1	22.6741688
2012	male	all maturity st	all shell condi	428.007675	1	-8.9132742
2012	female	all maturity st	all shell condi	101.659354	1	15.4820818
2013	male	all maturity st	all shell condi	336.262293	1	0.38090819
2013	female	all maturity st	all shell condi	405.893656	1	12.2937363
2014	male	all maturity st	all shell condi	877.957328	1	10.7501439
2014	female	all maturity st	all shell condi	607.111332	1	-6.6221218
2015	male	all maturity st	all shell condi	204.998006	1	15.3884609
2015	female	all maturity st	all shell condi	195.096114	1	3.31811808

	2016	male	all maturity st	all shell condi	228.563416	1	-6.3256112
	2016	female	all maturity st	all shell condi	52.2234683	1	26.2899796
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.18019323	20	0.37340039
all		female	all maturity st	all shell condi	0.00895962	20	0.00092316
	1992	male	all maturity st	all shell condi	36.5884952	1	2.7033934
	1992	female	all maturity st	all shell condi	85.2282819	1	0.1218017
	1993	male	all maturity st	all shell condi	35.9781023	1	9.02752946
	1993	female	all maturity st	all shell condi	215.19568	1	0.3102142
	1996	male	all maturity st	all shell condi	14.2584038	1	0.39872883
	1996	female	all maturity st	all shell condi	3.33810708	1	0.03258203
	1997	male	all maturity st	all shell condi	21.8128138	1	2.15849026
	1997	female	all maturity st	all shell condi	21.9457757	1	0.06917166
	1998	male	all maturity st	all shell condi	59.3484997	1	0.33840139
	1998	female	all maturity st	all shell condi	20.5279612	1	0.06974917
	1999	male	all maturity st	all shell condi	48.697846	1	0.28589111
	1999	female	all maturity st	all shell condi	16.855252	1	0.02982707
	2000	male	all maturity st	all shell condi	132.731676	1	0.66590893
	2000	female	all maturity st	all shell condi	39.7412487	1	0.06917002
	2001	male	all maturity st	all shell condi	113.81843	1	0.26652689
	2001	female	all maturity st	all shell condi	47.5683328	1	0.03522427
	2002	male	all maturity st	all shell condi	90.7325897	1	0.48825743
	2002	female	all maturity st	all shell condi	38.2744322	1	0.04808019
	2003	male	all maturity st	all shell condi	60.770584	1	0.58133542
	2003	female	all maturity st	all shell condi	53.2911954	1	0.09654159
	2004	male	all maturity st	all shell condi	32.5773828	1	0.78567587
	2004	female	all maturity st	all shell condi	20.6791335	1	0.05682785
	2005	male	all maturity st	all shell condi	37.592198	1	1.80513327
	2005	female	all maturity st	all shell condi	12.8091725	1	0.1699742
	2006	male	all maturity st	all shell condi	20.3170383	1	2.29034271
	2006	female	all maturity st	all shell condi	23.6035689	1	0.26809896
	2007	male	all maturity st	all shell condi	69.3441814	1	1.29979372
	2007	female	all maturity st	all shell condi	95.3188876	1	0.09119434
	2008	male	all maturity st	all shell condi	71.4582006	1	2.28225574
	2008	female	all maturity st	all shell condi	89.3018684	1	0.1303077
	2009	male	all maturity st	all shell condi	19.8469281	1	8.20564795
	2009	female	all maturity st	all shell condi	112.241954	1	0.05130435
	2010	male	all maturity st	all shell condi	45.0061347	1	0.90959068
	2010	female	all maturity st	all shell condi	35.3954943	1	0.04519254
	2011	male	all maturity st	all shell condi	58.7396122	1	0.32504854

2011	female	all maturity st	all shell condi	5.99511693	1	0.019285
2012	male	all maturity st	all shell condi	52.6208858	1	0.74120104
2012	female	all maturity st	all shell condi	7.04788893	1	0.20951137
2013	male	all maturity st	all shell condi	98.1512534	1	0.999642
2013	female	all maturity st	all shell condi	9.80328107	1	0.18083294
2014	male	all maturity st	all shell condi	171.094392	1	0.9638163
2014	female	all maturity st	all shell condi	19.3302468	1	0.07488215
2015	male	all maturity st	all shell condi	148.537167	1	0.81736646
2015	female	all maturity st	all shell condi	92.4204197	1	0.06953769
2016	male	all maturity st	all shell condi	22.091994	1	7.13672315
2016	female	all maturity st	all shell condi	18.8734931	1	0.52873965
2015	male	immature	new shell	0.51568712	1	78.4926883
2016	male	immature	new shell	0.51568712	1	102.931315
2015	female	immature	new shell	0.29258253	1	65.4819493
2016	female	immature	new shell	0.29258253	1	57.1025655
1994	male	immature	new shell	0.58955789	0	10.7639577
1995	male	immature	new shell	0.58955789	0	29.6374541
1996	male	immature	new shell	0.58955789	0	295.902744
1997	male	immature	new shell	0.58955789	0	465.210267
1998	male	immature	new shell	0.58955789	0	553.814681
1999	male	immature	new shell	0.58955789	0	435.474158
2000	male	immature	new shell	0.58955789	0	629.476706
2001	male	immature	new shell	0.58955789	0	758.251341
2002	male	immature	new shell	0.58955789	0	800.627801
2003	male	immature	new shell	0.58955789	0	304.660738
2004	male	immature	new shell	0.58955789	0	170.208423
2005	male	immature	new shell	0.58955789	0	108.576956
2006	male	immature	new shell	0.58955789	0	13.5188576
2011	male	immature	new shell	0.58955789	0	1.83471246
2012	male	immature	new shell	0.58955789	0	2.75741952
1994	female	immature	new shell	0.35512963	0	12.1230417
1995	female	immature	new shell	0.35512963	0	11.3308533
1996	female	immature	new shell	0.35512963	0	198.941664
1997	female	immature	new shell	0.35512963	0	145.248393
1998	female	immature	new shell	0.35512963	0	203.094026
1999	female	immature	new shell	0.35512963	0	231.097797
2000	female	immature	new shell	0.35512963	0	458.492548
2001	female	immature	new shell	0.35512963	0	490.516616
2002	female	immature	new shell	0.35512963	0	316.150432
2003	female	immature	new shell	0.35512963	0	78.5287384
2004	female	immature	new shell	0.35512963	0	78.2321383

	2005	female	immature	new shell	0.35512963	0	22.2891661
	2006	female	immature	new shell	0.35512963	0	6.73917574
	2012	female	immature	new shell	0.35512963	0	2.12783106
	1990	male		new shell	2153.98016	0	274.10416
	1991	male		new shell	2153.98016	0	212.750042
	1992	male		new shell	2153.98016	0	51.9416528
	1993	male		new shell	2153.98016	0	94.3507237
	1994	male		new shell	2153.98016	0	46.8203445
	1995	male		new shell	2153.98016	0	28.3343147
	1997	male		new shell	2153.98016	0	6.36003648
	1998	male		new shell	2153.98016	0	115.780651
	1999	male		new shell	2153.98016	0	20.4957586
	2000	male		new shell	2153.98016	0	116.259563
	2001	male		new shell	2153.98016	0	75.6082804
	2002	male		new shell	2153.98016	0	49.4368463
	2003	male		new shell	2153.98016	0	40.8531729
	2004	male		new shell	2153.98016	0	55.4956886
	2005	male		new shell	2153.98016	0	137.34568
	2008	male		new shell	2153.98016	0	164.655394
	2010	male		new shell	2153.98016	0	247.867375
	2012	male		new shell	2153.98016	0	34.9073176
	2014	male		new shell	2153.98016	0	104.550519
	2016	male		new shell	2153.98016	0	42.8583329
	2017	male		new shell	2153.98016	0	63.7800274
all		male	immature	new shell	0.09975135	1	887.329022
all		male	mature	new shell	0.09975135	1	887.329022
all		male	immature	old shell	0.09975135	1	887.329022
all		male	mature	old shell	0.09975135	1	887.329022
all		female	immature	new shell	0.09975135	1	887.329022
all		female	mature	new shell	0.09975135	1	887.329022
all		female	immature	old shell	0.09975135	1	887.329022
all		female	mature	old shell	0.09975135	1	887.329022
all		male	immature	new shell	0.09975135	1	549.638192
all		male	mature	new shell	0.09975135	1	549.638192
all		male	immature	old shell	0.09975135	1	549.638192
all		male	mature	old shell	0.09975135	1	549.638192
all		female	immature	new shell	0.09975135	1	549.638192
all		female	mature	new shell	0.09975135	1	549.638192
all		female	immature	old shell	0.09975135	1	549.638192
all		female	mature	old shell	0.09975135	1	549.638192
all		male	immature	all shell condi	8.97887332	0	1733.33357

all		male	mature	all shell condi	5.06724549	0	552.055002
all		female	immature	all shell condi	15.4627826	0	5140.5994
all		female	mature	all shell condi	2.06156287	0	91.3758911
all		male	mature	all shell condi	1.27551756	1	34.9793184
all		female	mature	all shell condi	1.74950916	1	65.8068198
	1975	male	immature	all shell condi	35.5521231	1	0.01145668
	1975	male	mature	all shell condi	91.7724702	1	0.00191889
	1975	female	immature	all shell condi	13.5822611	1	0.00640315
	1975	female	mature	all shell condi	25.3866227	1	-0.0024602
	1976	male	immature	all shell condi	15.9735968	1	0.01615846
	1976	male	mature	all shell condi	67.4063934	1	-0.0028793
	1976	female	immature	all shell condi	2.99445008	1	0.01549669
	1976	female	mature	all shell condi	28.0596666	1	-0.0019147
	1977	male	immature	all shell condi	8.02771538	1	0.01741894
	1977	male	mature	all shell condi	46.508578	1	-0.0032176
	1977	female	immature	all shell condi	1.00365975	1	0.02960906
	1977	female	mature	all shell condi	24.3896612	1	-0.0022627
	1978	male	immature	all shell condi	13.298634	1	0.0188118
	1978	male	mature	all shell condi	70.6666783	1	-0.0017897
	1978	female	immature	all shell condi	3.083007	1	0.02338782
	1978	female	mature	all shell condi	20.0551572	1	-0.0017807
	1979	male	immature	all shell condi	12.6052719	1	0.02404482
	1979	male	mature	all shell condi	82.6425995	1	-0.0006205
	1979	female	immature	all shell condi	14.5411672	1	0.00989543
	1979	female	mature	all shell condi	14.5883065	1	0.00966426
	1980	male	immature	all shell condi	14.0201917	1	0.02442271
	1980	male	mature	all shell condi	65.3172859	1	-0.0003857
	1980	female	immature	all shell condi	16.7325459	1	0.00876201
	1980	female	mature	all shell condi	11.1460537	1	0.01394592
	1981	male	immature	all shell condi	44.629856	1	0.00821775
	1981	male	mature	all shell condi	106.515711	1	-0.0004851
	1981	female	immature	all shell condi	78.9670633	1	0.00123264
	1981	female	mature	all shell condi	9.43992033	1	0.0255242
	1982	male	immature	all shell condi	67.4943894	1	-0.0013623
	1982	male	mature	all shell condi	61.310487	1	0.00029114
	1982	female	immature	all shell condi	94.3763799	1	0.00105293
	1982	female	mature	all shell condi	10.1600816	1	0.01943301
	1983	male	immature	all shell condi	22.5584733	1	0.01696896
	1983	male	mature	all shell condi	91.5934013	1	-0.00018
	1983	female	immature	all shell condi	3.13383162	1	0.02418689
	1983	female	mature	all shell condi	295.388523	1	0.00013516

1984	male	immature	all shell condi	21.5214782	1	0.01388235
1984	male	mature	all shell condi	76.4365273	1	0.00102483
1984	female	immature	all shell condi	3.79321528	1	0.02312077
1984	female	mature	all shell condi	276.734898	1	0.00036161
1985	male	immature	all shell condi	19.3164299	1	0.00872449
1985	male	mature	all shell condi	45.9085991	1	0.00321255
1985	female	immature	all shell condi	9.99421304	1	0.01647345
1985	female	mature	all shell condi	131.263275	1	0.00235449
1986	male	immature	all shell condi	18.3205605	1	0.01613262
1986	male	mature	all shell condi	23.3077325	1	0.00187732
1986	female	immature	all shell condi	5.57486058	1	0.02331208
1986	female	mature	all shell condi	45.7021726	1	-0.0004763
1987	male	immature	all shell condi	29.2412465	1	0.00815694
1987	male	mature	all shell condi	19.991671	1	-0.0007778
1987	female	immature	all shell condi	4.2853561	1	0.02758022
1987	female	mature	all shell condi	46.9229825	1	-0.0008226
1988	male	immature	all shell condi	21.8698655	1	0.00981865
1988	male	mature	all shell condi	14.7979085	1	0.00219563
1988	female	immature	all shell condi	8.96264837	1	0.01680618
1988	female	mature	all shell condi	39.9268526	1	0.00338545
1989	male	immature	all shell condi	23.4879777	1	0.01498605
1989	male	mature	all shell condi	15.7555012	1	0.00206836
1989	female	immature	all shell condi	4.07099597	1	0.0256113
1989	female	mature	all shell condi	53.9776574	1	0.00029632
1990	male	immature	all shell condi	61.9283723	1	0.00811465
1990	male	mature	all shell condi	20.1368619	1	0.00047825
1990	female	immature	all shell condi	9.81394513	1	0.01417536
1990	female	mature	all shell condi	77.5960743	1	0.00305703
1991	male	immature	all shell condi	40.6618839	1	0.01031187
1991	male	mature	all shell condi	21.716539	1	-0.0008799
1991	female	immature	all shell condi	7.76070901	1	0.00901482
1991	female	mature	all shell condi	123.499761	1	0.00368006
1992	male	immature	all shell condi	21.9287698	1	0.01006535
1992	male	mature	all shell condi	19.1184061	1	0.00075343
1992	female	immature	all shell condi	3.34896888	1	0.00611102
1992	female	mature	all shell condi	131.657127	1	0.00219952
1993	male	immature	all shell condi	20.5530716	1	0.01015144
1993	male	mature	all shell condi	15.2297919	1	0.00369208
1993	female	immature	all shell condi	3.45680981	1	0.00645735
1993	female	mature	all shell condi	143.361076	1	0.00065978
1994	male	immature	all shell condi	16.4577547	1	0.01009041

1994	male	mature	all shell condi	12.8779609	1	0.00497171
1994	female	immature	all shell condi	1.4912794	1	0.01380082
1994	female	mature	all shell condi	105.674061	1	0.00110799
1995	male	immature	all shell condi	18.293482	1	0.00758564
1995	male	mature	all shell condi	11.4016087	1	0.00526122
1995	female	immature	all shell condi	2.02091232	1	0.00853472
1995	female	mature	all shell condi	53.8422324	1	0.00563887
1996	male	immature	all shell condi	15.0528646	1	0.01118636
1996	male	mature	all shell condi	10.565708	1	0.00426064
1996	female	immature	all shell condi	1.15423927	1	0.01210606
1996	female	mature	all shell condi	57.2908713	1	0.00387873
1997	male	immature	all shell condi	10.8266518	1	0.02168103
1997	male	mature	all shell condi	10.4245648	1	-0.0002598
1997	female	immature	all shell condi	0.55619935	1	0.03525469
1997	female	mature	all shell condi	60.0073166	1	-0.0006745
1998	male	immature	all shell condi	12.6252687	1	0.02562905
1998	male	mature	all shell condi	10.7142753	1	3.07E-05
1998	female	immature	all shell condi	1.46547056	1	0.03272886
1998	female	mature	all shell condi	41.0444803	1	-0.0012191
1999	male	immature	all shell condi	13.9948169	1	0.02429081
1999	male	mature	all shell condi	11.399884	1	-0.0008977
1999	female	immature	all shell condi	1.42170206	1	0.03308814
1999	female	mature	all shell condi	41.1926328	1	-0.0009372
2000	male	immature	all shell condi	14.3372901	1	0.02468146
2000	male	mature	all shell condi	12.644543	1	0.00017085
2000	female	immature	all shell condi	2.12482841	1	0.02962135
2000	female	mature	all shell condi	41.6263251	1	-0.0005213
2001	male	immature	all shell condi	11.5714152	1	0.03202449
2001	male	mature	all shell condi	14.4665587	1	-0.0019308
2001	female	immature	all shell condi	1.31983216	1	0.04135595
2001	female	mature	all shell condi	36.5499878	1	-0.0012298
2002	male	immature	all shell condi	15.5049221	1	0.02404888
2002	male	mature	all shell condi	15.6071977	1	-0.0019324
2002	female	immature	all shell condi	1.40665489	1	0.03813079
2002	female	mature	all shell condi	57.8618357	1	-0.0009701
2003	male	immature	all shell condi	19.3799051	1	0.01907589
2003	male	mature	all shell condi	16.2773462	1	-0.001336
2003	female	immature	all shell condi	3.39741528	1	0.025741
2003	female	mature	all shell condi	127.087701	1	0.00117675
2004	male	immature	all shell condi	16.6419241	1	0.02133671
2004	male	mature	all shell condi	15.9770514	1	0.00112223

2004	female	immature	all shell condi	1.95931431	1	0.03589166
2004	female	mature	all shell condi	51.5383001	1	-0.0003545
2005	male	immature	all shell condi	22.4656222	1	0.01742101
2005	male	mature	all shell condi	16.8904794	1	-0.0009048
2005	female	immature	all shell condi	2.34877936	1	0.03456915
2005	female	mature	all shell condi	85.4909458	1	-0.0001096
2006	male	immature	all shell condi	44.5643542	1	0.0109569
2006	male	mature	all shell condi	22.9580611	1	-0.0014342
2006	female	immature	all shell condi	6.30887752	1	0.01735245
2006	female	mature	all shell condi	75.2828521	1	-0.0004997
2007	male	immature	all shell condi	16.8631936	1	0.02025578
2007	male	mature	all shell condi	27.4549771	1	-0.0019259
2007	female	immature	all shell condi	5.36115259	1	0.01184475
2007	female	mature	all shell condi	61.3283475	1	-0.0010445
2008	male	immature	all shell condi	6.5010114	1	0.01640362
2008	male	mature	all shell condi	26.812714	1	-0.0008973
2008	female	immature	all shell condi	1.14646198	1	0.01001197
2008	female	mature	all shell condi	147.111108	1	-0.0002809
2009	male	immature	all shell condi	5.63548978	1	0.01940054
2009	male	mature	all shell condi	26.6202242	1	-0.0027879
2009	female	immature	all shell condi	0.37892165	1	0.02373103
2009	female	mature	all shell condi	121.201056	1	-0.0012224
2010	male	immature	all shell condi	12.0709364	1	0.02227932
2010	male	mature	all shell condi	22.1839906	1	-0.0015173
2010	female	immature	all shell condi	1.39188374	1	0.02878951
2010	female	mature	all shell condi	75.9844881	1	-0.001126
2011	male	immature	all shell condi	17.9060129	1	0.01891993
2011	male	mature	all shell condi	16.0451108	1	-0.0011414
2011	female	immature	all shell condi	2.71193266	1	0.03120924
2011	female	mature	all shell condi	56.6024656	1	-0.0008972
2012	male	immature	all shell condi	68.2589774	1	0.00930732
2012	male	mature	all shell condi	16.9081468	1	-0.0003339
2012	female	immature	all shell condi	7.97462183	1	0.01709412
2012	female	mature	all shell condi	90.0911328	1	-0.0002636
2013	male	immature	all shell condi	120.055864	1	0.00780945
2013	male	mature	all shell condi	20.3110215	1	0.00126309
2013	female	immature	all shell condi	15.7342385	1	0.01112031
2013	female	mature	all shell condi	126.804242	1	0.00028106
2014	male	immature	all shell condi	52.9093791	1	0.0108325
2014	male	mature	all shell condi	24.3890708	1	0.00115322
2014	female	immature	all shell condi	4.64336017	1	0.01329997

	2014	female	mature	all shell condi	112.780394	1	-0.0008415
	2015	male	immature	all shell condi	16.8999112	1	0.01213789
	2015	male	mature	all shell condi	26.98535	1	-3.26E-05
	2015	female	immature	all shell condi	2.20153006	1	0.0097417
	2015	female	mature	all shell condi	285.2786	1	0.00027899
	2016	male	immature	all shell condi	2.12280456	1	0.01509094
	2016	male	mature	all shell condi	24.0269101	1	0.00166854
	2016	female	immature	all shell condi	0.28854822	1	0.0103791
	2016	female	mature	all shell condi	136.865124	1	-0.0008737
	2017	male	immature	all shell condi	0.42946321	1	0.02112642
	2017	male	mature	all shell condi	24.3808386	1	-0.0015192
	2017	female	immature	all shell condi	0.02370339	1	0.02863626
	2017	female	mature	all shell condi	83.0378967	1	-0.0013891
all		male	all maturity st	new shell	7.39380706	0	1175.37023
all		male	all maturity st	old shell	8.5274486	0	1563.42366
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	4.74176596	0	483.413405
all		male	all maturity st	old shell	3.70343184	0	294.881259
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
	1975	male	all maturity st	new shell	30.0779991	0	0.01723775
	1975	male	all maturity st	old shell	36.0928378	0	0.00084495
	1976	male	all maturity st	new shell	27.8803414	0	0.02598601
	1976	male	all maturity st	old shell	27.3279598	0	0.0007035
	1977	male	all maturity st	new shell	14.2662223	0	0.04140662
	1977	male	all maturity st	old shell	101.86337	0	0.00031116
	1978	male	all maturity st	new shell	7.18557513	0	0.04543755
	1978	male	all maturity st	old shell	55.3609016	0	0.00060571
	1979	male	all maturity st	new shell	5.5795254	0	0.05704312
	1979	male	all maturity st	old shell	37.1605727	0	0.00044513
	1980	male	all maturity st	new shell	7.94644342	0	0.0551363
	1980	male	all maturity st	old shell	20.4919205	0	0.00104728
	1981	male	all maturity st	new shell	18.3158374	0	0.02923997
	1981	male	all maturity st	old shell	20.974276	0	0.0007728
	1982	male	all maturity st	new shell	32.9190472	0	0.01067839
	1982	male	all maturity st	old shell	8.03540745	0	0.00165445
	1983	male	all maturity st	new shell	9.25059578	0	0.05648668
	1983	male	all maturity st	old shell	11.6635519	0	0.00153337
	1984	male	all maturity st	new shell	7.88772076	0	0.05543384
	1984	male	all maturity st	old shell	15.6720553	0	0.00125136

1985	male	all maturity st	new shell	9.60084599	0	0.03300673
1985	male	all maturity st	old shell	11.3730539	0	0.00159755
1986	male	all maturity st	new shell	7.59569146	0	0.03433325
1986	male	all maturity st	old shell	7.86214355	0	0.00175084
1987	male	all maturity st	new shell	11.1568912	0	0.02020647
1987	male	all maturity st	old shell	5.27199739	0	0.00227409
1988	male	all maturity st	new shell	7.42638094	0	0.02505335
1988	male	all maturity st	old shell	4.39524283	0	0.00258073
1989	male	all maturity st	new shell	9.25393785	0	0.03266432
1989	male	all maturity st	old shell	4.33497167	0	0.00240952
1990	male	all maturity st	new shell	29.9306737	0	0.01817746
1990	male	all maturity st	old shell	4.32605985	0	0.00287494
1991	male	all maturity st	new shell	27.4320176	0	0.02035956
1991	male	all maturity st	old shell	5.48106766	0	0.00271751
1992	male	all maturity st	new shell	36.8893116	0	0.01320857
1992	male	all maturity st	old shell	6.61059785	0	0.0023388
1993	male	all maturity st	new shell	12.6062749	0	0.02020844
1993	male	all maturity st	old shell	7.68941405	0	0.00177863
1994	male	all maturity st	new shell	10.6207224	0	0.03810701
1994	male	all maturity st	old shell	6.30065681	0	0.00234938
1995	male	all maturity st	new shell	12.2179265	0	0.04067912
1995	male	all maturity st	old shell	5.2313876	0	0.00333715
1996	male	all maturity st	new shell	6.81810095	0	0.0428665
1996	male	all maturity st	old shell	5.05436791	0	0.00417426
1997	male	all maturity st	new shell	3.6456098	0	0.05849366
1997	male	all maturity st	old shell	5.5616515	0	0.00309677
1998	male	all maturity st	new shell	5.52513118	0	0.0548407
1998	male	all maturity st	old shell	5.0081663	0	0.00273726
1999	male	all maturity st	new shell	6.54824326	0	0.04672566
1999	male	all maturity st	old shell	4.57056179	0	0.00272826
2000	male	all maturity st	new shell	7.22752195	0	0.04881504
2000	male	all maturity st	old shell	4.27616059	0	0.00301463
2001	male	all maturity st	new shell	6.60237731	0	0.06424203
2001	male	all maturity st	old shell	4.85828092	0	0.00255977
2002	male	all maturity st	new shell	6.85133203	0	0.05320546
2002	male	all maturity st	old shell	5.97666394	0	0.00207166
2003	male	all maturity st	new shell	7.25911359	0	0.04022329
2003	male	all maturity st	old shell	5.7884602	0	0.00209937
2004	male	all maturity st	new shell	6.24631306	0	0.05057829
2004	male	all maturity st	old shell	6.24601239	0	0.0028353
2005	male	all maturity st	new shell	8.49950417	0	0.04282242

	2005	male	all maturity st	old shell	5.53416943	0	0.00204934
	2006	male	all maturity st	new shell	38.6136134	0	0.01596679
	2006	male	all maturity st	old shell	5.40061594	0	0.00224493
	2007	male	all maturity st	new shell	23.2084847	0	0.02599012
	2007	male	all maturity st	old shell	10.5847161	0	0.00114923
	2008	male	all maturity st	new shell	15.9189965	0	0.02540511
	2008	male	all maturity st	old shell	10.4742069	0	0.00139289
	2009	male	all maturity st	new shell	7.13633711	0	0.04556227
	2009	male	all maturity st	old shell	12.4303764	0	0.00131075
	2010	male	all maturity st	new shell	2.68597796	0	0.06091974
	2010	male	all maturity st	old shell	13.7307836	0	0.00121385
	2011	male	all maturity st	new shell	5.57158509	0	0.04021435
	2011	male	all maturity st	old shell	9.10618773	0	0.00153772
	2012	male	all maturity st	new shell	19.3192841	0	0.0144704
	2012	male	all maturity st	old shell	5.06556848	0	0.00228926
	2013	male	all maturity st	new shell	44.4339585	0	0.01189204
	2013	male	all maturity st	old shell	5.45773569	0	0.00210395
	2014	male	all maturity st	new shell	60.4923952	0	0.01589383
	2014	male	all maturity st	old shell	6.68748326	0	0.00188429
	2015	male	all maturity st	new shell	27.0499319	0	0.02428214
	2015	male	all maturity st	old shell	9.53696598	0	0.00149176
	2016	male	all maturity st	new shell	11.823107	0	0.03927579
	2016	male	all maturity st	old shell	10.7503135	0	0.00138426
	2017	male	all maturity st	new shell	5.35256775	0	0.07267382
	2017	male	all maturity st	old shell	11.7840559	0	0.00129523
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	15.4627826	0	5140.5994
all		female	immature	old shell	0	0	0
all		female	mature	new shell	5.05506367	0	549.403878
all		female	mature	old shell	2.55306767	0	140.140323
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	9.93597512	0	2122.55744
all		female	immature	old shell	0	0	0
all		female	mature	new shell	4.3714205	0	410.85032
all		female	mature	old shell	2.27871849	0	111.639996

1975	female	immature	new shell	3.58313341	0	0.00020015
1975	female	mature	new shell	35.9163866	0	0.00014158
1975	female	mature	old shell	9.19917019	0	0.0069133
1976	female	immature	new shell	1.98524459	0	0.00034022
1976	female	mature	new shell	38.2980866	0	0.00015463
1976	female	mature	old shell	12.6860466	0	0.00582023
1977	female	immature	new shell	1.66473334	0	0.00036644
1977	female	mature	new shell	23.8867458	0	0.00013779
1977	female	mature	old shell	25.5431177	0	0.00459676
1978	female	immature	new shell	1.25731903	0	0.00039605
1978	female	mature	new shell	4.985563	0	0.00037889
1978	female	mature	old shell	38.0514971	0	0.0056013
1979	female	immature	new shell	1.41325349	0	0.00034454
1979	female	mature	new shell	3.53951261	0	0.00074185
1979	female	mature	old shell	12.7433374	0	0.00993801
1980	female	immature	new shell	1.75722882	0	0.00031445
1980	female	mature	new shell	2.69434654	0	0.0010066
1980	female	mature	old shell	10.2028432	0	0.01086382
1981	female	immature	new shell	2.40832751	0	0.0002978
1981	female	mature	new shell	3.28461448	0	0.00107092
1981	female	mature	old shell	10.556569	0	0.01891444
1982	female	immature	new shell	2.86790113	0	0.00026701
1982	female	mature	new shell	19.7388574	0	0.00018397
1982	female	mature	old shell	43.9409336	0	0.01101792
1983	female	immature	new shell	1.91768311	0	0.00041853
1983	female	mature	new shell	30.6085796	0	0.00012598
1983	female	mature	old shell	83.981274	0	0.0039466
1984	female	immature	new shell	1.63409545	0	0.00040867
1984	female	mature	new shell	45.9429207	0	0.00014875
1984	female	mature	old shell	54.6102331	0	0.00260172
1985	female	immature	new shell	1.82384069	0	0.00034049
1985	female	mature	new shell	5.90584876	0	0.00026146
1985	female	mature	old shell	47.6527156	0	0.00547149
1986	female	immature	new shell	1.68638536	0	0.00032376
1986	female	mature	new shell	3.62115473	0	0.00028654
1986	female	mature	old shell	10.0111002	0	0.00880185
1987	female	immature	new shell	2.44533324	0	0.0001987
1987	female	mature	new shell	6.41870344	0	0.00016011
1987	female	mature	old shell	8.12255893	0	0.00982658
1988	female	immature	new shell	1.82103557	0	0.00028562
1988	female	mature	new shell	3.98590917	0	0.00032501

1988	female	mature	old shell	7.25639657	0	0.00828538
1989	female	immature	new shell	1.59752338	0	0.00035514
1989	female	mature	new shell	5.69373391	0	0.00021738
1989	female	mature	old shell	7.15864923	0	0.00936983
1990	female	immature	new shell	2.79577227	0	0.0002966
1990	female	mature	new shell	71.4431665	0	5.88E-05
1990	female	mature	old shell	6.63594603	0	0.0104479
1991	female	immature	new shell	3.74716775	0	0.00027849
1991	female	mature	new shell	21.2485611	0	0.00018495
1991	female	mature	old shell	13.0504219	0	0.00795945
1992	female	immature	new shell	3.50594159	0	0.00034716
1992	female	mature	new shell	8.02660531	0	0.00030303
1992	female	mature	old shell	20.2237762	0	0.00410052
1993	female	immature	new shell	1.29108427	0	0.00037374
1993	female	mature	new shell	16.3810471	0	0.00015288
1993	female	mature	old shell	24.874385	0	0.00386577
1994	female	immature	new shell	1.65088732	0	0.00040069
1994	female	mature	new shell	16.7813702	0	0.00024898
1994	female	mature	old shell	22.3920125	0	0.00369792
1995	female	immature	new shell	3.5193733	0	0.00031295
1995	female	mature	new shell	13.0717604	0	0.00020422
1995	female	mature	old shell	21.1675988	0	0.00459783
1996	female	immature	new shell	1.63142216	0	0.0003015
1996	female	mature	new shell	10.5506717	0	0.00013183
1996	female	mature	old shell	15.0413086	0	0.00565194
1997	female	immature	new shell	1.02716135	0	0.00039333
1997	female	mature	new shell	3.60454935	0	0.00033546
1997	female	mature	old shell	15.9061265	0	0.00469239
1998	female	immature	new shell	1.44646252	0	0.00037187
1998	female	mature	new shell	6.81449667	0	0.00016988
1998	female	mature	old shell	11.9926047	0	0.00601173
1999	female	immature	new shell	1.58276393	0	0.00036611
1999	female	mature	new shell	6.32838994	0	0.00017697
1999	female	mature	old shell	10.1529525	0	0.00822129
2000	female	immature	new shell	1.59350236	0	0.00038691
2000	female	mature	new shell	10.7845721	0	0.00013795
2000	female	mature	old shell	5.68278356	0	0.01109642
2001	female	immature	new shell	1.69220556	0	0.00038591
2001	female	mature	new shell	21.7271479	0	0.00027413
2001	female	mature	old shell	8.3962959	0	0.00736444
2002	female	immature	new shell	1.54649464	0	0.00039233

2002	female	mature	new shell	25.5240476	0	0.00016791
2002	female	mature	old shell	9.49131909	0	0.01507781
2003	female	immature	new shell	1.49602871	0	0.00036827
2003	female	mature	new shell	19.1669566	0	0.00022173
2003	female	mature	old shell	14.0064509	0	0.02144008
2004	female	immature	new shell	1.3788209	0	0.0004092
2004	female	mature	new shell	13.5181713	0	0.00019116
2004	female	mature	old shell	8.88542325	0	0.02619875
2005	female	immature	new shell	1.61343967	0	0.0003783
2005	female	mature	new shell	11.9043651	0	0.00023631
2005	female	mature	old shell	16.9777291	0	0.01131477
2006	female	immature	new shell	3.67101982	0	0.00024895
2006	female	mature	new shell	45.2249942	0	0.00011108
2006	female	mature	old shell	16.6814339	0	0.0137985
2007	female	immature	new shell	3.44703547	0	0.00031077
2007	female	mature	new shell	42.5402826	0	0.00020125
2007	female	mature	old shell	26.6174573	0	0.00639898
2008	female	immature	new shell	3.28757559	0	0.00030535
2008	female	mature	new shell	6.24949301	0	0.00047439
2008	female	mature	old shell	47.8000963	0	0.00636308
2009	female	immature	new shell	1.02398638	0	0.00038568
2009	female	mature	new shell	3.87820732	0	0.00053132
2009	female	mature	old shell	59.8502263	0	0.00369828
2010	female	immature	new shell	0.90758767	0	0.00037069
2010	female	mature	new shell	2.83954044	0	0.00041211
2010	female	mature	old shell	36.5936326	0	0.00478875
2011	female	immature	new shell	1.25784	0	0.00033401
2011	female	mature	new shell	4.40959036	0	0.00021263
2011	female	mature	old shell	19.4303745	0	0.00416567
2012	female	immature	new shell	2.18267212	0	0.00026893
2012	female	mature	new shell	10.824004	0	8.95E-05
2012	female	mature	old shell	11.3867923	0	0.00709077
2013	female	immature	new shell	3.22000748	0	0.000274
2013	female	mature	new shell	70.1603513	0	7.30E-05
2013	female	mature	old shell	10.2119476	0	0.00551657
2014	female	immature	new shell	2.48581782	0	0.00038885
2014	female	mature	new shell	34.7376332	0	0.00010053
2014	female	mature	old shell	14.9842671	0	0.00409663
2015	female	immature	new shell	3.1029561	0	0.00036764
2015	female	mature	new shell	6.24192765	0	0.0003048
2015	female	mature	old shell	61.2258838	0	0.00482097

	2016	female	immature	new shell	3.04500203	0	0.00039771
	2016	female	mature	new shell	4.6326045	0	0.00057663
	2016	female	mature	old shell	76.6875541	0	0.00577543
	2017	female	immature	new shell	1.15209364	0	0.0004485
	2017	female	mature	new shell	8.91110352	0	0.00052532
	2017	female	mature	old shell	60.808107	0	0.00454688
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.07318739	20	0.1017715
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	5.75245995	1	0.71412036
	1981	male	all maturity st	all shell condi	8.77811461	1	0.32923109
	1982	male	all maturity st	all shell condi	11.7283838	1	0.27408522
	1983	male	all maturity st	all shell condi	12.9510716	1	0.02743412
	1984	male	all maturity st	all shell condi	13.0683793	1	0.0520427
	1988	male	all maturity st	all shell condi	7.06275322	1	0.39925022
	1989	male	all maturity st	all shell condi	7.56959896	1	0.1329157
	1990	male	all maturity st	all shell condi	6.1553422	1	1.1614191
	1991	male	all maturity st	all shell condi	5.87658303	1	0.62969305
	1992	male	all maturity st	all shell condi	6.65735196	1	0.45422734
	1993	male	all maturity st	all shell condi	9.13900554	1	0.41596078
	1994	male	all maturity st	all shell condi	9.01320534	1	0.40422267
	1995	male	all maturity st	all shell condi	7.15228501	1	0.0263243
	1996	male	all maturity st	all shell condi	5.59815657	1	0.12519957
	2005	male	all maturity st	all shell condi	8.85994313	1	0.00852803
	2006	male	all maturity st	all shell condi	166.394956	1	0.00137166
	2007	male	all maturity st	all shell condi	73.6300935	1	0.00803135
	2008	male	all maturity st	all shell condi	52.0272783	1	0.00970914
	2009	male	all maturity st	all shell condi	87.0631063	1	0.00347643
	2013	male	all maturity st	all shell condi	852.783791	1	0.00222086
	2014	male	all maturity st	all shell condi	225.933637	1	0.00604736
	2015	male	all maturity st	all shell condi	332.706938	1	0.00948534
all		male	all maturity st	all shell condi	0.05245022	20	0.01788167
all		female	all maturity st	all shell condi	0.21930122	20	0.31260465
	1991	male	all maturity st	all shell condi	241.118315	1	0.65083731
	1991	female	all maturity st	all shell condi	93.098742	1	0.09283682
	1992	male	all maturity st	all shell condi	346.590969	1	0.28235153
	1992	female	all maturity st	all shell condi	587.304762	1	0.02662491
	1993	male	all maturity st	all shell condi	98.8300013	1	0.57899923
	1993	female	all maturity st	all shell condi	151.965621	1	0.07042125
	1994	male	all maturity st	all shell condi	36.9185009	1	0.38322134

	1994	female	all maturity st	all shell condi	171.854408	1	0.01534142
	1995	male	all maturity st	all shell condi	17.9575923	1	0.62761967
	1995	female	all maturity st	all shell condi	979.70431	1	0.01587047
	1996	male	all maturity st	all shell condi	39.3510037	1	0.04541717
	1996	female	all maturity st	all shell condi	49.4667348	1	0.00587406
	2005	male	all maturity st	all shell condi	105.268278	1	0.97650929
	2005	female	all maturity st	all shell condi	79.4830112	1	0.02254202
	2006	male	all maturity st	all shell condi	400.836434	1	0.3103077
	2006	female	all maturity st	all shell condi	116.613297	1	0.04046475
	2007	male	all maturity st	all shell condi	483.018468	1	0.25672337
	2007	female	all maturity st	all shell condi	690.946399	1	0.00880859
	2008	male	all maturity st	all shell condi	211.245003	1	0.53684577
	2008	female	all maturity st	all shell condi	53.7032115	1	0.01011682
	2009	male	all maturity st	all shell condi	172.514101	1	0.24329903
	2009	female	all maturity st	all shell condi	22.2928616	1	0.00613331
	2013	male	all maturity st	all shell condi	376.952214	1	0.2053568
	2013	female	all maturity st	all shell condi	32.3180695	1	0.03097128
	2014	male	all maturity st	all shell condi	288.287991	1	0.61113331
	2014	female	all maturity st	all shell condi	78.4592916	1	0.01243137
	2015	male	all maturity st	all shell condi	272.69142	1	0.48194756
	2015	female	all maturity st	all shell condi	65.1931916	1	0.03707361
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.06726261	20	0.05655323
all		female	all maturity st	all shell condi	0.09568008	20	0.11443346
	1992	male	all maturity st	all shell condi	8.04738686	1	0.01047983
	1992	female	all maturity st	all shell condi	8.38736622	1	0.00227064
	1993	male	all maturity st	all shell condi	8.13049676	1	0.01076894
	1993	female	all maturity st	all shell condi	10.0623959	1	0.00331678
	1994	male	all maturity st	all shell condi	5.4741085	1	0.00591032
	1994	female	all maturity st	all shell condi	32.8401451	1	0.00130952
	1995	male	all maturity st	all shell condi	6.92932072	1	0.00234367
	1995	female	all maturity st	all shell condi	13.1978763	1	0.00069241
	1996	male	all maturity st	all shell condi	11.9078464	1	0.00258075
	1996	female	all maturity st	all shell condi	8.68939177	1	0.00193825
	1997	male	all maturity st	all shell condi	10.0047493	1	0.00775175
	1997	female	all maturity st	all shell condi	16.6649431	1	0.00204312
	1998	male	all maturity st	all shell condi	9.71095291	1	0.00354411
	1998	female	all maturity st	all shell condi	126.4524	1	0.00025413
	1999	male	all maturity st	all shell condi	12.0889179	1	0.00129539
	1999	female	all maturity st	all shell condi	56.7428215	1	0.00010851

	2000	male	all maturity st	all shell condi	11.1677774	1	0.00193949
	2000	female	all maturity st	all shell condi	31.6133377	1	0.00011164
	2001	male	all maturity st	all shell condi	12.4853761	1	0.00483337
	2001	female	all maturity st	all shell condi	16.2959916	1	0.00056057
	2002	male	all maturity st	all shell condi	20.4210952	1	0.00092705
	2002	female	all maturity st	all shell condi	18.8274857	1	0.00034341
	2003	male	all maturity st	all shell condi	19.9835519	1	0.00070385
	2003	female	all maturity st	all shell condi	21.6552828	1	0.00041351
	2004	male	all maturity st	all shell condi	22.1500885	1	0.00057186
	2004	female	all maturity st	all shell condi	8.76419965	1	0.00401649
	2005	male	all maturity st	all shell condi	8.06498187	1	0.00950883
	2005	female	all maturity st	all shell condi	27.8493475	1	0.0006516
	2006	male	all maturity st	all shell condi	9.93796186	1	0.00792554
	2006	female	all maturity st	all shell condi	27.5300104	1	0.00239896
	2007	male	all maturity st	all shell condi	6.40162247	1	0.01651835
	2007	female	all maturity st	all shell condi	21.4378025	1	0.00129075
	2008	male	all maturity st	all shell condi	4.68047737	1	0.0151605
	2008	female	all maturity st	all shell condi	7.10217615	1	0.0040656
	2009	male	all maturity st	all shell condi	4.74814591	1	0.01663321
	2009	female	all maturity st	all shell condi	8.1762871	1	0.00235831
	2010	male	all maturity st	all shell condi	4.75781555	1	0.01584269
	2010	female	all maturity st	all shell condi	12.4857038	1	0.00098322
	2011	male	all maturity st	all shell condi	6.39564422	1	0.00866857
	2011	female	all maturity st	all shell condi	13.860898	1	0.000707
	2012	male	all maturity st	all shell condi	5.77784953	1	0.00740442
	2012	female	all maturity st	all shell condi	17.0867219	1	0.00053562
	2013	male	all maturity st	all shell condi	5.32751785	1	0.0142531
	2013	female	all maturity st	all shell condi	60.219373	1	0.00039647
	2014	male	all maturity st	all shell condi	5.20729004	1	0.03225134
	2014	female	all maturity st	all shell condi	14.0630299	1	0.00203744
	2015	male	all maturity st	all shell condi	5.14841054	1	0.02376412
	2015	female	all maturity st	all shell condi	27.1986591	1	0.00037862
	2016	male	all maturity st	all shell condi	4.8119851	1	0.02559011
	2016	female	all maturity st	all shell condi	23.0902371	1	0.00043033
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.05975149	20	0.0785453
	1973	male	all maturity st	all shell condi	541.048045	1	-0.974893
	1973	female	all maturity st	all shell condi	187.353145	1	1.58995663
	1974	male	all maturity st	all shell condi	357.308365	1	-0.4362377
	1974	female	all maturity st	all shell condi	184.707364	1	1.04911565
	1975	male	all maturity st	all shell condi	222.671089	1	-0.1669636

1975	female	all maturity st	all shell condi	106.56278	1	0.70772792
1976	male	all maturity st	all shell condi	237.694661	1	-2.9927714
1976	female	all maturity st	all shell condi	83.3586568	1	6.54461327
1977	male	all maturity st	all shell condi	421.435171	1	-2.2053028
1977	female	all maturity st	all shell condi	263.080501	1	4.54098634
1978	male	all maturity st	all shell condi	410.488647	1	-2.502657
1978	female	all maturity st	all shell condi	178.354489	1	6.54113271
1979	male	all maturity st	all shell condi	1411.58476	1	-2.3120396
1979	female	all maturity st	all shell condi	375.519045	1	3.84249601
1980	male	all maturity st	all shell condi	787.712347	1	1.99505436
1980	female	all maturity st	all shell condi	510.191518	1	-0.2378508
1981	male	all maturity st	all shell condi	599.80116	1	-0.1341095
1981	female	all maturity st	all shell condi	169.185986	1	1.47724789
1982	male	all maturity st	all shell condi	375.571312	1	3.42243454
1982	female	all maturity st	all shell condi	197.145757	1	0.88733679
1983	male	all maturity st	all shell condi	154.52958	1	10.2965511
1983	female	all maturity st	all shell condi	311.293488	1	-3.750032
1984	male	all maturity st	all shell condi	482.191595	1	9.41667347
1984	female	all maturity st	all shell condi	437.873047	1	-4.8899814
1985	male	all maturity st	all shell condi	379.703232	1	4.90329919
1985	female	all maturity st	all shell condi	271.233596	1	-1.2501144
1986	male	all maturity st	all shell condi	182.53735	1	3.90839937
1986	female	all maturity st	all shell condi	120.866848	1	1.03948463
1987	male	all maturity st	all shell condi	212.179852	1	4.44090878
1987	female	all maturity st	all shell condi	564.272606	1	0.58590931
1988	male	all maturity st	all shell condi	465.139729	1	1.37760874
1988	female	all maturity st	all shell condi	180.999178	1	2.03965738
1989	male	all maturity st	all shell condi	402.666783	1	0.24201329
1989	female	all maturity st	all shell condi	721.579371	1	4.21050109
1990	male	all maturity st	all shell condi	255.940321	1	4.39239088
1990	female	all maturity st	all shell condi	287.9837	1	-0.0571248
1991	male	all maturity st	all shell condi	80.2858945	1	1.00491617
1991	female	all maturity st	all shell condi	94.2053318	1	3.05372968
1992	male	all maturity st	all shell condi	104.651329	1	1.25607961
1992	female	all maturity st	all shell condi	169.543948	1	0.61007778
1993	male	all maturity st	all shell condi	71.8732954	1	1.22590375
1993	female	all maturity st	all shell condi	103.232159	1	0.0254504
1994	male	all maturity st	all shell condi	88.6145875	1	2.07518666
1994	female	all maturity st	all shell condi	235.150226	1	0.32106749
1995	male	all maturity st	all shell condi	76.0924889	1	2.32719369
1995	female	all maturity st	all shell condi	138.783379	1	0.1390647

1996	male	all maturity st	all shell condi	151.66958	1	4.33954314
1996	female	all maturity st	all shell condi	176.000314	1	-1.002403
1997	male	all maturity st	all shell condi	158.505232	1	2.00662384
1997	female	all maturity st	all shell condi	453.567513	1	-0.1169717
1998	male	all maturity st	all shell condi	1379.59285	1	0.48809708
1998	female	all maturity st	all shell condi	968.723198	1	0.19166663
1999	male	all maturity st	all shell condi	448.374482	1	1.4612989
1999	female	all maturity st	all shell condi	1257.07231	1	-0.2289963
2000	male	all maturity st	all shell condi	979.470897	1	1.35130865
2000	female	all maturity st	all shell condi	1033.01565	1	-0.6195451
2001	male	all maturity st	all shell condi	713.155958	1	2.38883244
2001	female	all maturity st	all shell condi	992.143722	1	-1.2459945
2002	male	all maturity st	all shell condi	301.334139	1	3.32978804
2002	female	all maturity st	all shell condi	1100.22811	1	-0.3893031
2003	male	all maturity st	all shell condi	142.795936	1	2.22865166
2003	female	all maturity st	all shell condi	221.560775	1	1.66467042
2004	male	all maturity st	all shell condi	128.786942	1	-0.97092
2004	female	all maturity st	all shell condi	39.5380929	1	9.25243939
2005	male	all maturity st	all shell condi	974.234905	1	0.9558669
2005	female	all maturity st	all shell condi	3356.70227	1	-0.2009653
2006	male	all maturity st	all shell condi	347.516352	1	2.02094349
2006	female	all maturity st	all shell condi	219.433405	1	0.74403111
2007	male	all maturity st	all shell condi	1097.13991	1	0.16809765
2007	female	all maturity st	all shell condi	142.564653	1	2.41237544
2008	male	all maturity st	all shell condi	245.964963	1	6.01334083
2008	female	all maturity st	all shell condi	435.274733	1	-1.6850826
2009	male	all maturity st	all shell condi	131.466059	1	4.5768611
2009	female	all maturity st	all shell condi	1048.9361	1	-1.0982278
2010	male	all maturity st	all shell condi	328.950408	1	1.95010107
2010	female	all maturity st	all shell condi	1494.52379	1	-0.4127885
2011	male	all maturity st	all shell condi	90.1246951	1	2.63035298
2011	female	all maturity st	all shell condi	96.4211471	1	4.40300838
2012	male	all maturity st	all shell condi	361.232134	1	-1.8581229
2012	female	all maturity st	all shell condi	152.411785	1	3.35411027
2013	male	all maturity st	all shell condi	264.689414	1	0.40288098
2013	female	all maturity st	all shell condi	492.128682	1	3.37560576
2014	male	all maturity st	all shell condi	3237.21157	1	1.73407752
2014	female	all maturity st	all shell condi	697.121891	1	-0.6513274
2015	male	all maturity st	all shell condi	592.617904	1	1.71383327
2015	female	all maturity st	all shell condi	370.175483	1	1.10014141
2016	male	all maturity st	all shell condi	550.162192	1	-3.1191392

	2016	female	all maturity st	all shell condi	39.0893127	1	8.69216362
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.09255415	20	0.0985121
all		female	all maturity st	all shell condi	0.02195719	20	0.00554436
	1992	male	all maturity st	all shell condi	13.6361963	1	5.92E-07
	1992	female	all maturity st	all shell condi	7.52095679	1	6.16E-05
	1993	male	all maturity st	all shell condi	9.7621749	1	2.50E-06
	1993	female	all maturity st	all shell condi	5.85038273	1	0.00072669
	1996	male	all maturity st	all shell condi	4.97896813	1	9.16E-08
	1996	female	all maturity st	all shell condi	2.17164021	1	6.11E-06
	1997	male	all maturity st	all shell condi	74.5826532	1	2.84E-08
	1997	female	all maturity st	all shell condi	13.0846092	1	1.76E-05
	1998	male	all maturity st	all shell condi	185.895951	1	6.83E-09
	1998	female	all maturity st	all shell condi	6.68718759	1	1.67E-05
	1999	male	all maturity st	all shell condi	44.3693038	1	1.00E-08
	1999	female	all maturity st	all shell condi	8.4015732	1	6.08E-06
	2000	male	all maturity st	all shell condi	52.6949269	1	4.18E-08
	2000	female	all maturity st	all shell condi	8.68783574	1	2.08E-05
	2001	male	all maturity st	all shell condi	26.8844479	1	2.97E-08
	2001	female	all maturity st	all shell condi	7.66734416	1	2.16E-05
	2002	male	all maturity st	all shell condi	24.9504049	1	5.67E-08
	2002	female	all maturity st	all shell condi	5.62377945	1	3.33E-05
	2003	male	all maturity st	all shell condi	18.175688	1	6.67E-08
	2003	female	all maturity st	all shell condi	6.56955189	1	3.39E-05
	2004	male	all maturity st	all shell condi	12.7473207	1	7.21E-08
	2004	female	all maturity st	all shell condi	4.73934543	1	3.77E-05
	2005	male	all maturity st	all shell condi	14.0062875	1	1.74E-07
	2005	female	all maturity st	all shell condi	4.96576503	1	7.20E-05
	2006	male	all maturity st	all shell condi	10.4908307	1	1.69E-07
	2006	female	all maturity st	all shell condi	11.8886585	1	3.55E-05
	2007	male	all maturity st	all shell condi	21.9893546	1	1.56E-07
	2007	female	all maturity st	all shell condi	9.83777975	1	4.05E-05
	2008	male	all maturity st	all shell condi	144.653885	1	7.10E-08
	2008	female	all maturity st	all shell condi	9.29723877	1	5.47E-05
	2009	male	all maturity st	all shell condi	21.7711089	1	2.45E-07
	2009	female	all maturity st	all shell condi	8.90112033	1	3.82E-05
	2010	male	all maturity st	all shell condi	20.0998148	1	8.82E-08
	2010	female	all maturity st	all shell condi	8.02517584	1	1.42E-05
	2011	male	all maturity st	all shell condi	22.384239	1	3.28E-08
	2011	female	all maturity st	all shell condi	2.9933014	1	3.85E-06

2012	male	all maturity st	all shell condi	20.3053553	1	6.68E-08
2012	female	all maturity st	all shell condi	13.0955404	1	1.08E-05
2013	male	all maturity st	all shell condi	97.1795756	1	3.20E-08
2013	female	all maturity st	all shell condi	9.49226564	1	2.09E-05
2014	male	all maturity st	all shell condi	67.4375788	1	5.96E-08
2014	female	all maturity st	all shell condi	9.28335715	1	1.88E-05
2015	male	all maturity st	all shell condi	29.3657964	1	1.38E-07
2015	female	all maturity st	all shell condi	7.77727113	1	0.00012893
2016	male	all maturity st	all shell condi	9.67865119	1	5.89E-07
2016	female	all maturity st	all shell condi	3.80256473	1	0.00036043
2015	male	immature	new shell	0.44418374	1	70.5437309
2016	male	immature	new shell	0.44418374	1	91.9548055
2015	female	immature	new shell	0.31734823	1	64.2551392
2016	female	immature	new shell	0.31734823	1	52.405989
1994	male	immature	new shell	0.56214455	0	9.5270433
1995	male	immature	new shell	0.56214455	0	28.4152559
1996	male	immature	new shell	0.56214455	0	287.133958
1997	male	immature	new shell	0.56214455	0	415.607276
1998	male	immature	new shell	0.56214455	0	511.50672
1999	male	immature	new shell	0.56214455	0	429.52962
2000	male	immature	new shell	0.56214455	0	616.737553
2001	male	immature	new shell	0.56214455	0	701.63481
2002	male	immature	new shell	0.56214455	0	712.324244
2003	male	immature	new shell	0.56214455	0	284.52005
2004	male	immature	new shell	0.56214455	0	159.51864
2005	male	immature	new shell	0.56214455	0	95.999171
2006	male	immature	new shell	0.56214455	0	11.7644907
2011	male	immature	new shell	0.56214455	0	2.02296725
2012	male	immature	new shell	0.56214455	0	2.26646203
1994	female	immature	new shell	0.46894297	0	12.4212408
1995	female	immature	new shell	0.46894297	0	12.0859013
1996	female	immature	new shell	0.46894297	0	206.360909
1997	female	immature	new shell	0.46894297	0	153.313663
1998	female	immature	new shell	0.46894297	0	201.144487
1999	female	immature	new shell	0.46894297	0	229.097278
2000	female	immature	new shell	0.46894297	0	465.286308
2001	female	immature	new shell	0.46894297	0	507.819459
2002	female	immature	new shell	0.46894297	0	354.336459
2003	female	immature	new shell	0.46894297	0	80.1373197
2004	female	immature	new shell	0.46894297	0	88.3123325
2005	female	immature	new shell	0.46894297	0	24.5339444

	2006	female	immature	new shell	0.46894297	0	7.84836676
	2012	female	immature	new shell	0.46894297	0	2.27592557
	1990	male		new shell	6.22958011	0	373.978925
	1991	male		new shell	6.22958011	0	189.555532
	1992	male		new shell	6.22958011	0	194.783513
	1993	male		new shell	6.22958011	0	105.456923
	1994	male		new shell	6.22958011	0	41.8687305
	1995	male		new shell	6.22958011	0	41.5379252
	1997	male		new shell	6.22958011	0	22.0553261
	1998	male		new shell	6.22958011	0	129.457454
	1999	male		new shell	6.22958011	0	61.5028796
	2000	male		new shell	6.22958011	0	229.590883
	2001	male		new shell	6.22958011	0	144.946571
	2002	male		new shell	6.22958011	0	119.037788
	2003	male		new shell	6.22958011	0	99.2288223
	2004	male		new shell	6.22958011	0	161.437726
	2005	male		new shell	6.22958011	0	248.942489
	2008	male		new shell	6.22958011	0	180.797957
	2010	male		new shell	6.22958011	0	262.598426
	2012	male		new shell	6.22958011	0	262.704671
	2014	male		new shell	6.22958011	0	57.3929223
	2016	male		new shell	6.22958011	0	47.5051059
	2017	male		new shell	6.22958011	0	97.3904287
all		male	immature	new shell	0.09975135	1	608.417121
all		male	mature	new shell	0.09975135	1	608.417121
all		male	immature	old shell	0.09975135	1	608.417121
all		male	mature	old shell	0.09975135	1	608.417121
all		female	immature	new shell	0.09975135	1	608.417121
all		female	mature	new shell	0.09975135	1	608.417121
all		female	immature	old shell	0.09975135	1	608.417121
all		female	mature	old shell	0.09975135	1	608.417121
all		male	immature	new shell	0.09975135	1	727.970889
all		male	mature	new shell	0.09975135	1	727.970889
all		male	immature	old shell	0.09975135	1	727.970889
all		male	mature	old shell	0.09975135	1	727.970889
all		female	immature	new shell	0.09975135	1	727.970889
all		female	mature	new shell	0.09975135	1	727.970889
all		female	immature	old shell	0.09975135	1	727.970889
all		female	mature	old shell	0.09975135	1	727.970889
all		male	immature	all shell condi	3.64773895	0	286.078988
all		male	mature	all shell condi	2.65638226	0	151.711885

all		female	immature	all shell condi	3.3361893	0	239.298419
all		female	mature	all shell condi	2.53308307	0	137.954962
all		male	mature	all shell condi	2.38086852	1	121.8735
all		female	mature	all shell condi	2.24542782	1	108.401841
	1975	male	immature	all shell condi	349.754997	1	14.9463232
	1975	male	mature	all shell condi	105.587988	1	30.768239
	1975	female	immature	all shell condi	127.828637	1	7.93071578
	1975	female	mature	all shell condi	62.8411876	1	-9.9430878
	1976	male	immature	all shell condi	245.016861	1	14.6516039
	1976	male	mature	all shell condi	274.021747	1	2.2731357
	1976	female	immature	all shell condi	203.014763	1	7.65880783
	1976	female	mature	all shell condi	101.893704	1	-2.1766251
	1977	male	immature	all shell condi	316.80633	1	-0.8106673
	1977	male	mature	all shell condi	271.172514	1	-0.5385607
	1977	female	immature	all shell condi	66.6937843	1	23.0734199
	1977	female	mature	all shell condi	188.875347	1	2.42093958
	1978	male	immature	all shell condi	197.572528	1	-3.4725569
	1978	male	mature	all shell condi	304.685112	1	10.8488826
	1978	female	immature	all shell condi	84.1147554	1	10.9438268
	1978	female	mature	all shell condi	247.613143	1	3.70112079
	1979	male	immature	all shell condi	268.509518	1	3.39790202
	1979	male	mature	all shell condi	446.009284	1	-0.0613414
	1979	female	immature	all shell condi	292.803649	1	-6.1060738
	1979	female	mature	all shell condi	121.646829	1	16.8596482
	1980	male	immature	all shell condi	136.597954	1	16.4546366
	1980	male	mature	all shell condi	242.151607	1	-6.30529
	1980	female	immature	all shell condi	1078.29563	1	-1.2985203
	1980	female	mature	all shell condi	75.8856923	1	10.0347623
	1981	male	immature	all shell condi	478.675575	1	2.91251002
	1981	male	mature	all shell condi	393.472769	1	-5.117218
	1981	female	immature	all shell condi	138.710828	1	-5.7717509
	1981	female	mature	all shell condi	32.9473093	1	40.7715305
	1982	male	immature	all shell condi	108.844625	1	-10.891831
	1982	male	mature	all shell condi	251.288955	1	-3.3704898
	1982	female	immature	all shell condi	83.2097573	1	-7.119225
	1982	female	mature	all shell condi	6.27512689	1	116.339141
	1983	male	immature	all shell condi	165.672478	1	-0.6460052
	1983	male	mature	all shell condi	375.118258	1	1.75593073
	1983	female	immature	all shell condi	139.69073	1	5.6056622
	1983	female	mature	all shell condi	94.6336909	1	19.0407229
	1984	male	immature	all shell condi	216.79491	1	-14.340821

1984	male	mature	all shell condi	158.824169	1	16.2516089
1984	female	immature	all shell condi	141.976809	1	-5.5673582
1984	female	mature	all shell condi	55.0200389	1	29.3257327
1985	male	immature	all shell condi	131.699334	1	-16.582179
1985	male	mature	all shell condi	66.9477624	1	31.0024206
1985	female	immature	all shell condi	114.976406	1	-15.222005
1985	female	mature	all shell condi	45.895834	1	36.5859805
1986	male	immature	all shell condi	307.22385	1	3.68213826
1986	male	mature	all shell condi	83.5361087	1	22.1829052
1986	female	immature	all shell condi	184.159112	1	-3.8153847
1986	female	mature	all shell condi	178.195835	1	-0.034871
1987	male	immature	all shell condi	129.84123	1	5.63356621
1987	male	mature	all shell condi	444.578878	1	5.87282801
1987	female	immature	all shell condi	46.4176743	1	46.3288436
1987	female	mature	all shell condi	138.474695	1	-4.9825908
1988	male	immature	all shell condi	319.478978	1	1.57580039
1988	male	mature	all shell condi	391.825091	1	9.36453899
1988	female	immature	all shell condi	217.005974	1	-4.4527503
1988	female	mature	all shell condi	113.742832	1	12.7653918
1989	male	immature	all shell condi	358.051439	1	4.42797205
1989	male	mature	all shell condi	2155.48899	1	2.60849892
1989	female	immature	all shell condi	135.413058	1	11.0503834
1989	female	mature	all shell condi	153.005134	1	-4.9076025
1990	male	immature	all shell condi	944.05238	1	-1.6402909
1990	male	mature	all shell condi	1281.14411	1	-3.24047
1990	female	immature	all shell condi	278.27429	1	4.52831651
1990	female	mature	all shell condi	351.9217	1	8.21741338
1991	male	immature	all shell condi	335.574424	1	3.39797004
1991	male	mature	all shell condi	2061.62291	1	-3.931536
1991	female	immature	all shell condi	140.474123	1	5.23684452
1991	female	mature	all shell condi	804.986302	1	6.73895147
1992	male	immature	all shell condi	849.759906	1	6.90995866
1992	male	mature	all shell condi	985.20174	1	3.20356147
1992	female	immature	all shell condi	342.710859	1	2.06746036
1992	female	mature	all shell condi	778.555253	1	-4.1885782
1993	male	immature	all shell condi	468.56293	1	14.006516
1993	male	mature	all shell condi	1195.12382	1	5.93049295
1993	female	immature	all shell condi	509.998253	1	3.61822233
1993	female	mature	all shell condi	157.956797	1	-14.534731
1994	male	immature	all shell condi	313.670008	1	7.59833503
1994	male	mature	all shell condi	1498.07068	1	1.14744276

1994	female	immature	all shell condi	74.8158476	1	16.0393589
1994	female	mature	all shell condi	241.578225	1	-11.521871
1995	male	immature	all shell condi	221.44384	1	-4.2321223
1995	male	mature	all shell condi	1302.43768	1	2.26220727
1995	female	immature	all shell condi	270.23773	1	-2.7723636
1995	female	mature	all shell condi	205.905377	1	16.1275407
1996	male	immature	all shell condi	362.252645	1	-2.0563839
1996	male	mature	all shell condi	1053.13854	1	4.05911556
1996	female	immature	all shell condi	270.073941	1	-0.9231057
1996	female	mature	all shell condi	374.150696	1	8.52301296
1997	male	immature	all shell condi	456.114314	1	1.65832805
1997	male	mature	all shell condi	645.127436	1	-1.2822489
1997	female	immature	all shell condi	98.8027715	1	16.1111494
1997	female	mature	all shell condi	451.801052	1	-5.91081
1998	male	immature	all shell condi	359.004771	1	7.80278872
1998	male	mature	all shell condi	786.615044	1	0.5218324
1998	female	immature	all shell condi	390.271707	1	12.3329271
1998	female	mature	all shell condi	147.580701	1	-8.683499
1999	male	immature	all shell condi	143.971178	1	9.74177581
1999	male	mature	all shell condi	349.636967	1	5.15178237
1999	female	immature	all shell condi	130.32641	1	9.09784252
1999	female	mature	all shell condi	356.886865	1	-4.4993169
2000	male	immature	all shell condi	214.443029	1	3.11262541
2000	male	mature	all shell condi	740.064034	1	6.74591988
2000	female	immature	all shell condi	337.384387	1	2.32076812
2000	female	mature	all shell condi	254.476499	1	-2.0825185
2001	male	immature	all shell condi	392.214843	1	6.2698425
2001	male	mature	all shell condi	876.504279	1	-2.2223362
2001	female	immature	all shell condi	267.047801	1	12.0113466
2001	female	mature	all shell condi	287.690292	1	-4.7693762
2002	male	immature	all shell condi	208.94757	1	3.77986707
2002	male	mature	all shell condi	667.455085	1	0.67387504
2002	female	immature	all shell condi	110.792514	1	14.9090846
2002	female	mature	all shell condi	563.902521	1	-4.2970912
2003	male	immature	all shell condi	281.431093	1	2.06576358
2003	male	mature	all shell condi	567.82633	1	5.94457981
2003	female	immature	all shell condi	211.698538	1	-4.491843
2003	female	mature	all shell condi	260.229865	1	8.02709226
2004	male	immature	all shell condi	161.681636	1	1.09864942
2004	male	mature	all shell condi	240.236961	1	16.9991761
2004	female	immature	all shell condi	95.8453444	1	13.6278427

2004	female	mature	all shell condi	273.456567	1	-4.4658964
2005	male	immature	all shell condi	402.889723	1	-0.8694497
2005	male	mature	all shell condi	962.761169	1	-0.9458873
2005	female	immature	all shell condi	213.082147	1	16.9403281
2005	female	mature	all shell condi	830.116715	1	-4.0479795
2006	male	immature	all shell condi	296.181105	1	8.22265408
2006	male	mature	all shell condi	367.739186	1	4.9001276
2006	female	immature	all shell condi	208.75591	1	9.5405649
2006	female	mature	all shell condi	350.389962	1	-6.7809035
2007	male	immature	all shell condi	239.159241	1	21.1135459
2007	male	mature	all shell condi	218.174421	1	7.29541035
2007	female	immature	all shell condi	792.222838	1	2.67836213
2007	female	mature	all shell condi	118.802243	1	-11.488324
2008	male	immature	all shell condi	530.917343	1	10.6627891
2008	male	mature	all shell condi	287.679663	1	6.65208873
2008	female	immature	all shell condi	858.016453	1	1.74625032
2008	female	mature	all shell condi	395.46763	1	-8.3916052
2009	male	immature	all shell condi	92.6309524	1	3.98038917
2009	male	mature	all shell condi	276.019286	1	10.8771696
2009	female	immature	all shell condi	78.2897102	1	2.85508385
2009	female	mature	all shell condi	1553.95833	1	2.39947043
2010	male	immature	all shell condi	193.299517	1	-0.7754744
2010	male	mature	all shell condi	288.22476	1	13.9196809
2010	female	immature	all shell condi	181.652574	1	-1.0626611
2010	female	mature	all shell condi	7951.62539	1	-0.7916282
2011	male	immature	all shell condi	353.939094	1	5.55884861
2011	male	mature	all shell condi	937.567088	1	2.47925722
2011	female	immature	all shell condi	174.296477	1	10.009959
2011	female	mature	all shell condi	300.501632	1	-4.5607784
2012	male	immature	all shell condi	396.630059	1	10.853545
2012	male	mature	all shell condi	339.290505	1	5.27142322
2012	female	immature	all shell condi	204.263805	1	1.3521394
2012	female	mature	all shell condi	474.366894	1	-2.8797195
2013	male	immature	all shell condi	867.947915	1	5.62156481
2013	male	mature	all shell condi	280.841153	1	8.71180489
2013	female	immature	all shell condi	440.794446	1	0.00529324
2013	female	mature	all shell condi	691.278169	1	-3.0834492
2014	male	immature	all shell condi	440.130298	1	10.7374178
2014	male	mature	all shell condi	283.581595	1	6.47397511
2014	female	immature	all shell condi	93.5150826	1	13.1743572
2014	female	mature	all shell condi	228.78898	1	-9.2349345

	2015	male	immature	all shell condi	802.57799	1	8.75594791
	2015	male	mature	all shell condi	583.396353	1	1.42233255
	2015	female	immature	all shell condi	393.092661	1	5.11094833
	2015	female	mature	all shell condi	450.288863	1	-4.6775724
	2016	male	immature	all shell condi	392.209601	1	9.86245766
	2016	male	mature	all shell condi	215.028546	1	14.5225832
	2016	female	immature	all shell condi	293.16872	1	4.21340304
	2016	female	mature	all shell condi	201.783241	1	-9.9302411
	2017	male	immature	all shell condi	96.0212819	1	-2.2462626
	2017	male	mature	all shell condi	178.148249	1	18.349169
	2017	female	immature	all shell condi	69.1284126	1	6.75889847
	2017	female	mature	all shell condi	733.043805	1	-0.6633153
all		male	all maturity st	new shell	3.81219006	0	312.455051
all		male	all maturity st	old shell	4.56076257	0	447.211938
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	3.27054791	0	229.974398
all		male	all maturity st	old shell	4.05611081	0	353.718751
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
	1975	male	all maturity st	new shell	59.8733157	0	28.7279628
	1975	male	all maturity st	old shell	39.533536	0	21.0928214
	1976	male	all maturity st	new shell	67.9854223	0	18.0689176
	1976	male	all maturity st	old shell	25.2591236	0	34.747863
	1977	male	all maturity st	new shell	76.4259622	0	20.3477269
	1977	male	all maturity st	old shell	92.3755109	0	12.8688402
	1978	male	all maturity st	new shell	65.1984923	0	19.5657817
	1978	male	all maturity st	old shell	47.4184007	0	23.6038519
	1979	male	all maturity st	new shell	146.676801	0	5.28772676
	1979	male	all maturity st	old shell	25.6237803	0	49.5060212
	1980	male	all maturity st	new shell	86.8319848	0	9.28234735
	1980	male	all maturity st	old shell	23.4609894	0	57.3924642
	1981	male	all maturity st	new shell	70.1162047	0	15.0517817
	1981	male	all maturity st	old shell	28.3788064	0	28.704011
	1982	male	all maturity st	new shell	34.3158322	0	29.0536551
	1982	male	all maturity st	old shell	113.210612	0	6.53104216
	1983	male	all maturity st	new shell	55.3587884	0	16.0232073
	1983	male	all maturity st	old shell	43.9641514	0	17.8537917
	1984	male	all maturity st	new shell	130.543045	0	4.03879243
	1984	male	all maturity st	old shell	43.2353131	0	17.8362561
	1985	male	all maturity st	new shell	84.263861	0	12.459157

1985	male	all maturity st	old shell	36.8373537	0 21.8594578
1986	male	all maturity st	new shell	82.0247295	0 12.8452796
1986	male	all maturity st	old shell	54.2860348	0 11.4144457
1987	male	all maturity st	new shell	51.5479316	0 14.0867366
1987	male	all maturity st	old shell	147.667168	0 5.71148541
1988	male	all maturity st	new shell	84.4991732	0 10.8343363
1988	male	all maturity st	old shell	176.434814	0 6.51687415
1989	male	all maturity st	new shell	175.395008	0 6.33343745
1989	male	all maturity st	old shell	116.489468	0 8.21190884
1990	male	all maturity st	new shell	430.750662	0 2.81901791
1990	male	all maturity st	old shell	322.970307	0 3.21915833
1991	male	all maturity st	new shell	200.234991	0 5.20055223
1991	male	all maturity st	old shell	489.81674	0 1.62396796
1992	male	all maturity st	new shell	252.438304	0 4.57242773
1992	male	all maturity st	old shell	193.267801	0 3.89144669
1993	male	all maturity st	new shell	365.420881	0 2.94296886
1993	male	all maturity st	old shell	355.824743	0 1.94384415
1994	male	all maturity st	new shell	165.341524	0 5.10023483
1994	male	all maturity st	old shell	314.529081	0 2.50398302
1995	male	all maturity st	new shell	63.2413245	0 10.8816416
1995	male	all maturity st	old shell	252.012625	0 4.27013706
1996	male	all maturity st	new shell	85.6322481	0 13.1763022
1996	male	all maturity st	old shell	158.603779	0 4.37522052
1997	male	all maturity st	new shell	130.020259	0 7.80588533
1997	male	all maturity st	old shell	160.152681	0 4.62286793
1998	male	all maturity st	new shell	245.103161	0 3.56849712
1998	male	all maturity st	old shell	106.648786	0 6.3107481
1999	male	all maturity st	new shell	64.2346356	0 12.5626526
1999	male	all maturity st	old shell	61.769979	0 11.0375768
2000	male	all maturity st	new shell	122.212585	0 4.84487762
2000	male	all maturity st	old shell	107.147175	0 7.61746369
2001	male	all maturity st	new shell	193.372766	0 5.03460469
2001	male	all maturity st	old shell	208.522708	0 4.47854328
2002	male	all maturity st	new shell	78.7905704	0 9.57268822
2002	male	all maturity st	old shell	132.604158	0 4.34057521
2003	male	all maturity st	new shell	115.711988	0 7.034868
2003	male	all maturity st	old shell	167.927919	0 4.32209971
2004	male	all maturity st	new shell	77.3821362	0 10.0088906
2004	male	all maturity st	old shell	36.3667253	0 60.7877473
2005	male	all maturity st	new shell	186.820333	0 5.38434506
2005	male	all maturity st	old shell	128.355468	0 6.39566479

	2006	male	all maturity st	new shell	119.10554	0	9.54840845
	2006	male	all maturity st	old shell	172.90622	0	6.05073652
	2007	male	all maturity st	new shell	260.420622	0	5.84613575
	2007	male	all maturity st	old shell	96.6883368	0	12.6930153
	2008	male	all maturity st	new shell	216.038859	0	5.16146303
	2008	male	all maturity st	old shell	57.8330481	0	15.1740823
	2009	male	all maturity st	new shell	29.4518695	0	19.324226
	2009	male	all maturity st	old shell	59.7654771	0	12.1305712
	2010	male	all maturity st	new shell	47.0630548	0	19.2330598
	2010	male	all maturity st	old shell	91.8829477	0	8.87326017
	2011	male	all maturity st	new shell	131.311007	0	4.98783171
	2011	male	all maturity st	old shell	121.350533	0	6.20318823
	2012	male	all maturity st	new shell	176.609788	0	4.56812107
	2012	male	all maturity st	old shell	152.485338	0	6.65753445
	2013	male	all maturity st	new shell	171.312314	0	6.56086459
	2013	male	all maturity st	old shell	105.899794	0	11.3595599
	2014	male	all maturity st	new shell	221.394735	0	6.02149152
	2014	male	all maturity st	old shell	134.748684	0	6.4775669
	2015	male	all maturity st	new shell	434.610028	0	4.76482872
	2015	male	all maturity st	old shell	178.799248	0	5.46829817
	2016	male	all maturity st	new shell	153.089315	0	9.12601074
	2016	male	all maturity st	old shell	120.907725	0	7.81351603
	2017	male	all maturity st	new shell	28.1706129	0	12.6504171
	2017	male	all maturity st	old shell	122.31688	0	6.97261717
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.3361893	0	239.298419
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.64114971	0	149.976943
all		female	mature	old shell	3.11435044	0	208.532341
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.01738067	0	195.748602
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.56853379	0	141.843365
all		female	mature	old shell	2.75598712	0	163.302497
	1975	female	immature	new shell	14.2324826	0	20.791953

1975	female	mature	new shell	66.0439506	0	2.37503365
1975	female	mature	old shell	8.03381949	0	23.4447657
1976	female	immature	new shell	42.6706196	0	5.43530217
1976	female	mature	new shell	54.4290974	0	2.92207472
1976	female	mature	old shell	8.95323219	0	23.4547324
1977	female	immature	new shell	37.8600559	0	4.93169839
1977	female	mature	new shell	34.4942524	0	5.39702145
1977	female	mature	old shell	22.5010252	0	10.4088172
1978	female	immature	new shell	22.5966349	0	6.89606787
1978	female	mature	new shell	82.6607182	0	2.08890085
1978	female	mature	old shell	30.6490129	0	7.23386871
1979	female	immature	new shell	49.6692777	0	2.67258569
1979	female	mature	new shell	45.4389504	0	3.70970936
1979	female	mature	old shell	18.9092745	0	11.8308846
1980	female	immature	new shell	121.22332	0	2.15474401
1980	female	mature	new shell	11.7168575	0	7.80171472
1980	female	mature	old shell	16.9202662	0	12.9525043
1981	female	immature	new shell	46.267629	0	6.31044562
1981	female	mature	new shell	9.814797	0	13.9504924
1981	female	mature	old shell	66.0908447	0	4.32353796
1982	female	immature	new shell	37.6101638	0	13.5177923
1982	female	mature	new shell	10.0735826	0	9.6645259
1982	female	mature	old shell	27.5230353	0	6.16394497
1983	female	immature	new shell	31.6161174	0	6.22700855
1983	female	mature	new shell	35.0821181	0	5.66369691
1983	female	mature	old shell	106.929897	0	1.62578146
1984	female	immature	new shell	32.8910752	0	3.95732561
1984	female	mature	new shell	27.143018	0	3.59363805
1984	female	mature	old shell	313.619225	0	1.41836665
1985	female	immature	new shell	152.0002	0	2.25960699
1985	female	mature	new shell	12.166239	0	18.4748076
1985	female	mature	old shell	213.019708	0	2.14184904
1986	female	immature	new shell	72.7433344	0	3.81730341
1986	female	mature	new shell	7.46457471	0	15.7001386
1986	female	mature	old shell	27.3674022	0	8.83713885
1987	female	immature	new shell	17.2726032	0	23.6449874
1987	female	mature	new shell	37.4550034	0	5.19220895
1987	female	mature	old shell	20.0042538	0	14.5108349
1988	female	immature	new shell	89.4596389	0	4.79209784
1988	female	mature	new shell	15.6253906	0	11.2321563
1988	female	mature	old shell	34.4052594	0	7.87435282

1989	female	immature	new shell	50.3178216	0	3.22072847
1989	female	mature	new shell	25.8969117	0	6.0079613
1989	female	mature	old shell	40.2852548	0	8.12830835
1990	female	immature	new shell	56.3657656	0	3.41589766
1990	female	mature	new shell	180.96666	0	0.88265021
1990	female	mature	old shell	37.1179052	0	7.90179871
1991	female	immature	new shell	19.3085091	0	9.99973487
1991	female	mature	new shell	109.825693	0	1.09553379
1991	female	mature	old shell	130.71077	0	2.77309873
1992	female	immature	new shell	31.3532042	0	8.41437572
1992	female	mature	new shell	68.5515104	0	2.49656862
1992	female	mature	old shell	123.892865	0	2.40712166
1993	female	immature	new shell	60.1286564	0	4.93542088
1993	female	mature	new shell	28.0907017	0	4.07006595
1993	female	mature	old shell	146.352224	0	1.92586895
1994	female	immature	new shell	22.2512325	0	8.51281587
1994	female	mature	new shell	46.813696	0	3.83194044
1994	female	mature	old shell	233.458887	0	1.66573997
1995	female	immature	new shell	58.5894646	0	5.04642723
1995	female	mature	new shell	28.8072357	0	6.02953184
1995	female	mature	old shell	395.156698	0	0.81679069
1996	female	immature	new shell	59.3385137	0	6.13024866
1996	female	mature	new shell	26.7983272	0	5.44150616
1996	female	mature	old shell	195.026287	0	1.45211838
1997	female	immature	new shell	54.6457604	0	2.70872874
1997	female	mature	new shell	59.4787902	0	2.27185966
1997	female	mature	old shell	155.160001	0	2.06199382
1998	female	immature	new shell	355.536457	0	0.88461364
1998	female	mature	new shell	48.9044819	0	3.36643395
1998	female	mature	old shell	160.031649	0	2.46127388
1999	female	immature	new shell	48.0979008	0	4.40250721
1999	female	mature	new shell	17.0290612	0	6.87703264
1999	female	mature	old shell	156.390463	0	1.36399984
2000	female	immature	new shell	102.709483	0	1.48637058
2000	female	mature	new shell	31.816016	0	4.21482978
2000	female	mature	old shell	28.308209	0	8.94983758
2001	female	immature	new shell	170.519561	0	1.21874601
2001	female	mature	new shell	138.372512	0	2.12924224
2001	female	mature	old shell	48.1335623	0	4.05387738
2002	female	immature	new shell	55.4888825	0	3.14876212
2002	female	mature	new shell	38.5261807	0	3.70170044

2002	female	mature	old shell	86.6730979	0	1.9720191
2003	female	immature	new shell	70.4036692	0	2.68387259
2003	female	mature	new shell	144.476659	0	1.01084708
2003	female	mature	old shell	49.2329191	0	5.83767674
2004	female	immature	new shell	37.6747998	0	5.84644096
2004	female	mature	new shell	215.84506	0	0.52838738
2004	female	mature	old shell	44.7966612	0	6.47595415
2005	female	immature	new shell	395.327487	0	1.02907843
2005	female	mature	new shell	137.51445	0	1.47193243
2005	female	mature	old shell	461.550789	0	1.43511664
2006	female	immature	new shell	57.4452718	0	4.38602694
2006	female	mature	new shell	209.149375	0	0.9289559
2006	female	mature	old shell	154.063278	0	1.81279878
2007	female	immature	new shell	132.460306	0	2.38022684
2007	female	mature	new shell	54.5688036	0	3.30397973
2007	female	mature	old shell	622.037362	0	0.44977116
2008	female	immature	new shell	119.964098	0	2.09384163
2008	female	mature	new shell	110.121192	0	1.87861393
2008	female	mature	old shell	764.532384	0	0.4676245
2009	female	immature	new shell	21.5092919	0	7.17074469
2009	female	mature	new shell	37.0856988	0	2.56619413
2009	female	mature	old shell	418.173324	0	0.64408672
2010	female	immature	new shell	71.2075891	0	3.72671113
2010	female	mature	new shell	187.288783	0	1.0753428
2010	female	mature	old shell	951.113027	0	0.49331913
2011	female	immature	new shell	55.5294428	0	4.67747747
2011	female	mature	new shell	23.2195572	0	4.63984848
2011	female	mature	old shell	185.902572	0	1.8559387
2012	female	immature	new shell	52.8796844	0	4.90441945
2012	female	mature	new shell	31.8839211	0	3.57144431
2012	female	mature	old shell	202.04816	0	1.3652929
2013	female	immature	new shell	85.3187783	0	3.43905438
2013	female	mature	new shell	343.011967	0	0.6094522
2013	female	mature	old shell	47.7103971	0	4.59526698
2014	female	immature	new shell	18.1813645	0	13.6329
2014	female	mature	new shell	49.3194469	0	1.94574997
2014	female	mature	old shell	59.8648315	0	4.02810571
2015	female	immature	new shell	62.1506232	0	4.65775866
2015	female	mature	new shell	17.135715	0	6.22789601
2015	female	mature	old shell	169.706542	0	1.37135149
2016	female	immature	new shell	38.5116433	0	6.95276887

	2016	female	mature	new shell	76.4032668	0	3.28078837
	2016	female	mature	old shell	63.0106601	0	2.70508221
	2017	female	immature	new shell	15.9254565	0	7.47183742
	2017	female	mature	new shell	27.8688736	0	7.65208541
	2017	female	mature	old shell	98.4866836	0	1.51430213
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.2828997	20	1.52061253
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	33.7400868	1	24.8760765
	1981	male	all maturity st	all shell condi	713.361168	1	1.06912158
	1982	male	all maturity st	all shell condi	781.367544	1	1.35985917
	1983	male	all maturity st	all shell condi	42.6527199	1	2.51292515
	1984	male	all maturity st	all shell condi	316.43363	1	0.46550485
	1988	male	all maturity st	all shell condi	193.170749	1	5.7007798
	1989	male	all maturity st	all shell condi	1278.47653	1	0.20640606
	1990	male	all maturity st	all shell condi	403.378436	1	6.73039694
	1991	male	all maturity st	all shell condi	276.086646	1	7.04876593
	1992	male	all maturity st	all shell condi	102.669911	1	15.89211
	1993	male	all maturity st	all shell condi	199.593416	1	6.45177526
	1994	male	all maturity st	all shell condi	269.371084	1	6.5027239
	1995	male	all maturity st	all shell condi	378.998465	1	0.35629017
	1996	male	all maturity st	all shell condi	241.565673	1	1.09759756
	2005	male	all maturity st	all shell condi	14.6704676	1	2.53431766
	2006	male	all maturity st	all shell condi	263.035141	1	0.6159409
	2007	male	all maturity st	all shell condi	1680.70843	1	0.28279825
	2008	male	all maturity st	all shell condi	916.642191	1	0.36018607
	2009	male	all maturity st	all shell condi	126.024922	1	0.92685468
	2013	male	all maturity st	all shell condi	743.464755	1	0.46173659
	2014	male	all maturity st	all shell condi	219.440092	1	5.61003913
	2015	male	all maturity st	all shell condi	165.885791	1	12.5813705
all		male	all maturity st	all shell condi	0.26258684	20	0.44818702
all		female	all maturity st	all shell condi	0.55854175	20	2.02779779
	1991	male	all maturity st	all shell condi	2002.87518	1	1.4901424
	1991	female	all maturity st	all shell condi	494.124444	1	8.63783969
	1992	male	all maturity st	all shell condi	142.07337	1	28.8581568
	1992	female	all maturity st	all shell condi	662.399933	1	3.56486428
	1993	male	all maturity st	all shell condi	312.046504	1	11.1709996
	1993	female	all maturity st	all shell condi	287.326449	1	6.72225813
	1994	male	all maturity st	all shell condi	426.736421	1	1.62430608
	1994	female	all maturity st	all shell condi	71.3302781	1	10.6096525

	1995	male	all maturity st	all shell condi	455.372195	1	0.85640466
	1995	female	all maturity st	all shell condi	123.088171	1	7.368287
	1996	male	all maturity st	all shell condi	31.8161214	1	2.1690233
	1996	female	all maturity st	all shell condi	194.540732	1	0.53362936
	2005	male	all maturity st	all shell condi	97.7822033	1	23.7165588
	2005	female	all maturity st	all shell condi	40.9229453	1	8.34215781
	2006	male	all maturity st	all shell condi	279.173609	1	6.6919535
	2006	female	all maturity st	all shell condi	352.926607	1	7.66658554
	2007	male	all maturity st	all shell condi	388.34333	1	8.05174523
	2007	female	all maturity st	all shell condi	388.741252	1	3.06402615
	2008	male	all maturity st	all shell condi	1169.51662	1	3.26470474
	2008	female	all maturity st	all shell condi	46.269914	1	2.73679797
	2009	male	all maturity st	all shell condi	174.256386	1	8.27217689
	2009	female	all maturity st	all shell condi	23.7846796	1	1.47941113
	2013	male	all maturity st	all shell condi	1433.74904	1	1.54460507
	2013	female	all maturity st	all shell condi	66.7903686	1	4.63353235
	2014	male	all maturity st	all shell condi	214.251545	1	17.1617121
	2014	female	all maturity st	all shell condi	164.323646	1	2.15274729
	2015	male	all maturity st	all shell condi	139.246332	1	21.2752261
	2015	female	all maturity st	all shell condi	73.7634505	1	10.0477139
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.08674232	20	0.09405287
all		female	all maturity st	all shell condi	0.31545389	20	1.24388944
	1992	male	all maturity st	all shell condi	386.276017	1	4.29377973
	1992	female	all maturity st	all shell condi	22.419062	1	8.62086819
	1993	male	all maturity st	all shell condi	444.239979	1	3.23583697
	1993	female	all maturity st	all shell condi	42.3165941	1	9.76957329
	1994	male	all maturity st	all shell condi	67.7260272	1	7.3936747
	1994	female	all maturity st	all shell condi	42.4575374	1	19.694784
	1995	male	all maturity st	all shell condi	215.454772	1	1.78628508
	1995	female	all maturity st	all shell condi	57.7576333	1	2.39469411
	1996	male	all maturity st	all shell condi	175.74219	1	5.46193075
	1996	female	all maturity st	all shell condi	68.2222504	1	3.40188016
	1997	male	all maturity st	all shell condi	532.203997	1	3.70313627
	1997	female	all maturity st	all shell condi	160.111092	1	1.58063745
	1998	male	all maturity st	all shell condi	671.986753	1	1.00439641
	1998	female	all maturity st	all shell condi	23.8461698	1	3.0472461
	1999	male	all maturity st	all shell condi	132.647564	1	1.35067601
	1999	female	all maturity st	all shell condi	36.3540151	1	0.6613174
	2000	male	all maturity st	all shell condi	254.617012	1	1.11479602

	2000	female	all maturity st	all shell condi	37.614861	1	0.97177592
	2001	male	all maturity st	all shell condi	450.196371	1	1.36617452
	2001	female	all maturity st	all shell condi	156.893935	1	0.64483002
	2002	male	all maturity st	all shell condi	64.5328839	1	3.01651725
	2002	female	all maturity st	all shell condi	61.0379691	1	0.5714714
	2003	male	all maturity st	all shell condi	123.550962	1	1.46800093
	2003	female	all maturity st	all shell condi	57.198189	1	0.9280017
	2004	male	all maturity st	all shell condi	25.1720331	1	6.9455566
	2004	female	all maturity st	all shell condi	34.6260744	1	8.40197581
	2005	male	all maturity st	all shell condi	120.310557	1	18.4274649
	2005	female	all maturity st	all shell condi	110.074602	1	1.31398993
	2006	male	all maturity st	all shell condi	71.9826007	1	25.5381254
	2006	female	all maturity st	all shell condi	36.355827	1	12.5934713
	2007	male	all maturity st	all shell condi	317.17418	1	10.2097957
	2007	female	all maturity st	all shell condi	37.2487324	1	4.7382984
	2008	male	all maturity st	all shell condi	86.5250446	1	30.4293301
	2008	female	all maturity st	all shell condi	17.2643276	1	21.386573
	2009	male	all maturity st	all shell condi	511.038784	1	8.04649164
	2009	female	all maturity st	all shell condi	31.2780133	1	7.4392816
	2010	male	all maturity st	all shell condi	492.248567	1	4.32988446
	2010	female	all maturity st	all shell condi	133.050012	1	1.2764011
	2011	male	all maturity st	all shell condi	240.489588	1	12.6412138
	2011	female	all maturity st	all shell condi	63.6935939	1	1.43820697
	2012	male	all maturity st	all shell condi	215.456692	1	11.1372854
	2012	female	all maturity st	all shell condi	59.9136264	1	1.35015689
	2013	male	all maturity st	all shell condi	259.801241	1	10.8182427
	2013	female	all maturity st	all shell condi	113.763487	1	1.06666377
	2014	male	all maturity st	all shell condi	553.091879	1	9.76514353
	2014	female	all maturity st	all shell condi	147.214792	1	2.20634581
	2015	male	all maturity st	all shell condi	612.140771	1	7.08261979
	2015	female	all maturity st	all shell condi	64.3781405	1	1.44319221
	2016	male	all maturity st	all shell condi	572.799759	1	8.43236497
	2016	female	all maturity st	all shell condi	72.4230289	1	1.34864843
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.05700443	20	0.07148911
	1973	male	all maturity st	all shell condi	410.578561	1	-4.221458
	1973	female	all maturity st	all shell condi	318.931707	1	7.85474931
	1974	male	all maturity st	all shell condi	776.871639	1	-2.6917228
	1974	female	all maturity st	all shell condi	234.810898	1	4.97099348
	1975	male	all maturity st	all shell condi	409.85189	1	-0.8259358
	1975	female	all maturity st	all shell condi	261.028571	1	2.59259439

1976	male	all maturity st	all shell condi	254.653847	1	-12.788899
1976	female	all maturity st	all shell condi	134.499463	1	30.520163
1977	male	all maturity st	all shell condi	314.51064	1	-3.420777
1977	female	all maturity st	all shell condi	444.923234	1	18.3312011
1978	male	all maturity st	all shell condi	294.885354	1	-3.904767
1978	female	all maturity st	all shell condi	251.7874	1	29.4284891
1979	male	all maturity st	all shell condi	724.213422	1	0.72439609
1979	female	all maturity st	all shell condi	1211.6866	1	8.63997649
1980	male	all maturity st	all shell condi	1184.73696	1	12.1782088
1980	female	all maturity st	all shell condi	481.275323	1	-5.6975758
1981	male	all maturity st	all shell condi	1451.37419	1	-3.448302
1981	female	all maturity st	all shell condi	69.9389834	1	17.0899722
1982	male	all maturity st	all shell condi	810.909883	1	10.5400263
1982	female	all maturity st	all shell condi	91.7595095	1	18.7645838
1983	male	all maturity st	all shell condi	459.759106	1	44.0549746
1983	female	all maturity st	all shell condi	220.598296	1	-18.154218
1984	male	all maturity st	all shell condi	584.054648	1	50.6248243
1984	female	all maturity st	all shell condi	390.847491	1	-27.096811
1985	male	all maturity st	all shell condi	229.601618	1	37.1020421
1985	female	all maturity st	all shell condi	272.021329	1	-7.729912
1986	male	all maturity st	all shell condi	396.363106	1	17.749968
1986	female	all maturity st	all shell condi	227.430797	1	-1.9559386
1987	male	all maturity st	all shell condi	303.654266	1	8.30976791
1987	female	all maturity st	all shell condi	662.244816	1	18.7129393
1988	male	all maturity st	all shell condi	457.648141	1	-1.9660014
1988	female	all maturity st	all shell condi	220.606672	1	22.5466014
1989	male	all maturity st	all shell condi	947.389894	1	-27.695953
1989	female	all maturity st	all shell condi	686.134134	1	44.8372149
1990	male	all maturity st	all shell condi	1243.39261	1	17.3116106
1990	female	all maturity st	all shell condi	367.382895	1	-5.0487133
1991	male	all maturity st	all shell condi	435.851851	1	-0.9473576
1991	female	all maturity st	all shell condi	205.379107	1	12.1568442
1992	male	all maturity st	all shell condi	188.844637	1	8.77189002
1992	female	all maturity st	all shell condi	65.5814956	1	4.9146863
1993	male	all maturity st	all shell condi	82.4391115	1	6.72199405
1993	female	all maturity st	all shell condi	94.1296201	1	-0.819424
1994	male	all maturity st	all shell condi	252.934304	1	4.34769967
1994	female	all maturity st	all shell condi	404.882382	1	1.94696177
1995	male	all maturity st	all shell condi	62.2076513	1	17.3449573
1995	female	all maturity st	all shell condi	64.7258508	1	7.47933072
1996	male	all maturity st	all shell condi	188.132073	1	18.7375237

1996	female	all maturity st	all shell condi	449.636643	1	-5.7485157
1997	male	all maturity st	all shell condi	52.7434882	1	33.3881187
1997	female	all maturity st	all shell condi	203.728789	1	8.70028437
1998	male	all maturity st	all shell condi	125.131395	1	12.8611476
1998	female	all maturity st	all shell condi	328.588603	1	12.5933105
1999	male	all maturity st	all shell condi	459.110187	1	6.1730197
1999	female	all maturity st	all shell condi	1130.42558	1	4.48354405
2000	male	all maturity st	all shell condi	546.37844	1	7.22774473
2000	female	all maturity st	all shell condi	820.541001	1	0.48661411
2001	male	all maturity st	all shell condi	769.296119	1	13.6444236
2001	female	all maturity st	all shell condi	1185.71141	1	-5.9106909
2002	male	all maturity st	all shell condi	405.921462	1	15.9761331
2002	female	all maturity st	all shell condi	935.043771	1	0.08397947
2003	male	all maturity st	all shell condi	199.850884	1	7.98394759
2003	female	all maturity st	all shell condi	313.456988	1	8.56415426
2004	male	all maturity st	all shell condi	116.335425	1	-6.4593155
2004	female	all maturity st	all shell condi	31.3635965	1	69.7911031
2005	male	all maturity st	all shell condi	1315.96281	1	5.19837256
2005	female	all maturity st	all shell condi	2581.93773	1	1.15792049
2006	male	all maturity st	all shell condi	180.004357	1	21.7273241
2006	female	all maturity st	all shell condi	143.775569	1	6.79500544
2007	male	all maturity st	all shell condi	194.532923	1	15.8199141
2007	female	all maturity st	all shell condi	86.1896181	1	18.3375691
2008	male	all maturity st	all shell condi	184.030254	1	44.8982809
2008	female	all maturity st	all shell condi	164.97879	1	-14.791984
2009	male	all maturity st	all shell condi	313.361898	1	23.2472287
2009	female	all maturity st	all shell condi	451.172552	1	-12.164737
2010	male	all maturity st	all shell condi	623.467469	1	9.30832455
2010	female	all maturity st	all shell condi	1571.11369	1	-4.0576582
2011	male	all maturity st	all shell condi	92.8011854	1	13.4249443
2011	female	all maturity st	all shell condi	69.9699221	1	37.354626
2012	male	all maturity st	all shell condi	423.910213	1	-16.020508
2012	female	all maturity st	all shell condi	105.461524	1	27.066207
2013	male	all maturity st	all shell condi	361.507739	1	-1.8282762
2013	female	all maturity st	all shell condi	425.816955	1	23.7352149
2014	male	all maturity st	all shell condi	980.061303	1	16.1269217
2014	female	all maturity st	all shell condi	639.027552	1	-9.6052328
2015	male	all maturity st	all shell condi	231.771778	1	24.6234375
2015	female	all maturity st	all shell condi	182.958516	1	7.64907623
2016	male	all maturity st	all shell condi	261.655038	1	-12.061089
2016	female	all maturity st	all shell condi	57.4068623	1	44.0118392

all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.24985493	20	0.71791607
all		female	all maturity st	all shell condi	0.00603921	20	0.00041943
	1992	male	all maturity st	all shell condi	113.223745	1	4.54005303
	1992	female	all maturity st	all shell condi	80.4753799	1	7.14684225
	1993	male	all maturity st	all shell condi	185.758023	1	6.95508403
	1993	female	all maturity st	all shell condi	493.536039	1	8.17869431
	1996	male	all maturity st	all shell condi	35.5123002	1	0.84079316
	1996	female	all maturity st	all shell condi	3.59489592	1	1.77271279
	1997	male	all maturity st	all shell condi	18.7197433	1	11.7625237
	1997	female	all maturity st	all shell condi	30.7483676	1	2.66580019
	1998	male	all maturity st	all shell condi	49.239853	1	1.98305205
	1998	female	all maturity st	all shell condi	21.8068843	1	4.13313652
	1999	male	all maturity st	all shell condi	52.0548798	1	1.26288435
	1999	female	all maturity st	all shell condi	20.0198947	1	1.27121966
	2000	male	all maturity st	all shell condi	141.91717	1	2.95946162
	2000	female	all maturity st	all shell condi	47.6701875	1	2.75847627
	2001	male	all maturity st	all shell condi	121.759382	1	1.20429763
	2001	female	all maturity st	all shell condi	47.0605798	1	2.40397072
	2002	male	all maturity st	all shell condi	96.3356505	1	2.20693575
	2002	female	all maturity st	all shell condi	36.7216037	1	2.70959801
	2003	male	all maturity st	all shell condi	63.4777118	1	2.62430601
	2003	female	all maturity st	all shell condi	52.7060316	1	4.94005192
	2004	male	all maturity st	all shell condi	34.556219	1	3.4673559
	2004	female	all maturity st	all shell condi	20.9698272	1	3.44980663
	2005	male	all maturity st	all shell condi	45.9751713	1	6.91568422
	2005	female	all maturity st	all shell condi	15.1053149	1	8.71972653
	2006	male	all maturity st	all shell condi	23.5589848	1	8.99966115
	2006	female	all maturity st	all shell condi	28.2581258	1	12.5210258
	2007	male	all maturity st	all shell condi	96.456061	1	4.34150579
	2007	female	all maturity st	all shell condi	124.633439	1	4.70533172
	2008	male	all maturity st	all shell condi	64.2021783	1	12.2962619
	2008	female	all maturity st	all shell condi	133.316695	1	4.77009541
	2009	male	all maturity st	all shell condi	19.6473799	1	40.0490754
	2009	female	all maturity st	all shell condi	97.7657648	1	2.65059204
	2010	male	all maturity st	all shell condi	53.4126033	1	3.49542976
	2010	female	all maturity st	all shell condi	40.4873175	1	2.23378404
	2011	male	all maturity st	all shell condi	71.4712193	1	1.28669882
	2011	female	all maturity st	all shell condi	5.40431608	1	1.24305875
	2012	male	all maturity st	all shell condi	70.5522294	1	2.75438116

2012	female	all maturity st	all shell condi	6.31310247	1	13.0520562
2013	male	all maturity st	all shell condi	81.5939464	1	5.91087777
2013	female	all maturity st	all shell condi	8.6312834	1	10.9050823
2014	male	all maturity st	all shell condi	149.568124	1	5.6797589
2014	female	all maturity st	all shell condi	18.5539832	1	4.43271241
2015	male	all maturity st	all shell condi	210.294875	1	2.83973649
2015	female	all maturity st	all shell condi	74.6752271	1	5.57267938
2016	male	all maturity st	all shell condi	25.8451381	1	27.9049888
2016	female	all maturity st	all shell condi	22.9150154	1	28.9017485
2015	male	immature	new shell	0.53607204	1	82.934172
2016	male	immature	new shell	0.53607204	1	109.068229
2015	female	immature	new shell	0.29926453	1	68.4671334
2016	female	immature	new shell	0.29926453	1	60.2046669
1994	male	immature	new shell	0.61661356	0	11.5726524
1995	male	immature	new shell	0.61661356	0	31.687108
1996	male	immature	new shell	0.61661356	0	309.163046
1997	male	immature	new shell	0.61661356	0	498.208958
1998	male	immature	new shell	0.61661356	0	579.325235
1999	male	immature	new shell	0.61661356	0	481.860765
2000	male	immature	new shell	0.61661356	0	684.773528
2001	male	immature	new shell	0.61661356	0	793.691567
2002	male	immature	new shell	0.61661356	0	872.785156
2003	male	immature	new shell	0.61661356	0	327.228898
2004	male	immature	new shell	0.61661356	0	188.437021
2005	male	immature	new shell	0.61661356	0	120.128559
2006	male	immature	new shell	0.61661356	0	15.4527795
2011	male	immature	new shell	0.61661356	0	1.97814299
2012	male	immature	new shell	0.61661356	0	3.09697474
1994	female	immature	new shell	0.39774735	0	13.6493747
1995	female	immature	new shell	0.39774735	0	13.0832729
1996	female	immature	new shell	0.39774735	0	203.857833
1997	female	immature	new shell	0.39774735	0	154.851066
1998	female	immature	new shell	0.39774735	0	218.637598
1999	female	immature	new shell	0.39774735	0	267.536245
2000	female	immature	new shell	0.39774735	0	512.184889
2001	female	immature	new shell	0.39774735	0	512.834254
2002	female	immature	new shell	0.39774735	0	319.198162
2003	female	immature	new shell	0.39774735	0	84.6866699
2004	female	immature	new shell	0.39774735	0	86.8336131
2005	female	immature	new shell	0.39774735	0	23.1757167
2006	female	immature	new shell	0.39774735	0	7.09614978

	2012	female	immature	new shell	0.39774735	0	2.23628973
	1990	male		new shell	531.59205	0	331.553836
	1991	male		new shell	531.59205	0	263.174883
	1992	male		new shell	531.59205	0	50.4169875
	1993	male		new shell	531.59205	0	112.828671
	1994	male		new shell	531.59205	0	45.3296928
	1995	male		new shell	531.59205	0	27.0801652
	1997	male		new shell	531.59205	0	6.52173317
	1998	male		new shell	531.59205	0	104.835018
	1999	male		new shell	531.59205	0	18.583467
	2000	male		new shell	531.59205	0	118.70788
	2001	male		new shell	531.59205	0	82.7022882
	2002	male		new shell	531.59205	0	47.5074284
	2003	male		new shell	531.59205	0	38.3196771
	2004	male		new shell	531.59205	0	54.6052369
	2005	male		new shell	531.59205	0	134.953113
	2008	male		new shell	531.59205	0	146.207903
	2010	male		new shell	531.59205	0	243.022129
	2012	male		new shell	531.59205	0	35.4563042
	2014	male		new shell	531.59205	0	96.1251129
	2016	male		new shell	531.59205	0	32.6327978
	2017	male		new shell	531.59205	0	68.3036436
all		male	immature	new shell	0.09975135	1	1047.04815
all		male	mature	new shell	0.09975135	1	1047.04815
all		male	immature	old shell	0.09975135	1	1047.04815
all		male	mature	old shell	0.09975135	1	1047.04815
all		female	immature	new shell	0.09975135	1	1047.04815
all		female	mature	new shell	0.09975135	1	1047.04815
all		female	immature	old shell	0.09975135	1	1047.04815
all		female	mature	old shell	0.09975135	1	1047.04815
all		male	immature	new shell	0.09975135	1	1025.32244
all		male	mature	new shell	0.09975135	1	1025.32244
all		male	immature	old shell	0.09975135	1	1025.32244
all		male	mature	old shell	0.09975135	1	1025.32244
all		female	immature	new shell	0.09975135	1	1025.32244
all		female	mature	new shell	0.09975135	1	1025.32244
all		female	immature	old shell	0.09975135	1	1025.32244
all		female	mature	old shell	0.09975135	1	1025.32244
all		male	immature	all shell condi	3.58394413	0	276.160094
all		male	mature	all shell condi	2.56444997	0	141.392679
all		female	immature	all shell condi	3.30204502	0	234.425278

all		female	mature	all shell condi	2.64339973	0	150.232586
all		male	mature	all shell condi	2.18614399	1	102.753349
all		female	mature	all shell condi	2.30921942	1	114.648628
	1975	male	immature	all shell condi	265.655906	1	20.75284
	1975	male	mature	all shell condi	97.9124198	1	43.0714798
	1975	female	immature	all shell condi	97.81624	1	3.5862193
	1975	female	mature	all shell condi	54.9434712	1	-11.8427
	1976	male	immature	all shell condi	203.742068	1	21.5681856
	1976	male	mature	all shell condi	324.017147	1	5.16104645
	1976	female	immature	all shell condi	93.5179213	1	27.6951946
	1976	female	mature	all shell condi	81.9108527	1	-3.8254731
	1977	male	immature	all shell condi	348.036187	1	3.65465918
	1977	male	mature	all shell condi	337.249682	1	0.53172826
	1977	female	immature	all shell condi	85.6832805	1	28.3901448
	1977	female	mature	all shell condi	153.748217	1	2.59176099
	1978	male	immature	all shell condi	319.980188	1	2.17470424
	1978	male	mature	all shell condi	334.902387	1	14.1776751
	1978	female	immature	all shell condi	117.079604	1	4.98011673
	1978	female	mature	all shell condi	198.709997	1	4.98778221
	1979	male	immature	all shell condi	203.055581	1	14.2711478
	1979	male	mature	all shell condi	526.256335	1	1.19594415
	1979	female	immature	all shell condi	99.5407768	1	-12.070461
	1979	female	mature	all shell condi	156.217127	1	18.2691015
	1980	male	immature	all shell condi	89.9702477	1	30.0828614
	1980	male	mature	all shell condi	299.823949	1	-5.5816649
	1980	female	immature	all shell condi	279.353243	1	-6.8158736
	1980	female	mature	all shell condi	118.739124	1	5.7510997
	1981	male	immature	all shell condi	202.622027	1	15.8626314
	1981	male	mature	all shell condi	661.928632	1	-5.3913682
	1981	female	immature	all shell condi	102.262115	1	-5.5987938
	1981	female	mature	all shell condi	58.0736302	1	31.5773392
	1982	male	immature	all shell condi	154.673116	1	-8.8657441
	1982	male	mature	all shell condi	245.387515	1	-10.80898
	1982	female	immature	all shell condi	116.637359	1	-7.4545136
	1982	female	mature	all shell condi	8.80718353	1	118.127997
	1983	male	immature	all shell condi	230.913906	1	0.16734494
	1983	male	mature	all shell condi	522.933782	1	-0.1842906
	1983	female	immature	all shell condi	287.150971	1	2.98624938
	1983	female	mature	all shell condi	148.629225	1	16.6831694
	1984	male	immature	all shell condi	218.573556	1	-15.935033
	1984	male	mature	all shell condi	180.365758	1	18.3995842

1984	female	immature	all shell condi	142.181342	1	-7.3112935
1984	female	mature	all shell condi	80.2681539	1	29.1709664
1985	male	immature	all shell condi	120.784959	1	-17.699846
1985	male	mature	all shell condi	62.5361308	1	38.4600293
1985	female	immature	all shell condi	104.284984	1	-18.441275
1985	female	mature	all shell condi	59.3710026	1	39.5572887
1986	male	immature	all shell condi	284.381124	1	4.86959814
1986	male	mature	all shell condi	73.9700957	1	28.7092137
1986	female	immature	all shell condi	169.102059	1	-5.8535697
1986	female	mature	all shell condi	165.885482	1	-0.2309469
1987	male	immature	all shell condi	133.351789	1	5.97668568
1987	male	mature	all shell condi	499.315619	1	8.04839689
1987	female	immature	all shell condi	47.9271131	1	52.3993915
1987	female	mature	all shell condi	139.711974	1	-6.0173941
1988	male	immature	all shell condi	366.729446	1	0.5367155
1988	male	mature	all shell condi	384.904748	1	12.2285719
1988	female	immature	all shell condi	239.53684	1	-6.8442822
1988	female	mature	all shell condi	110.119571	1	15.3828622
1989	male	immature	all shell condi	315.017607	1	5.57174962
1989	male	mature	all shell condi	1844.18196	1	3.51638201
1989	female	immature	all shell condi	125.419548	1	14.0072313
1989	female	mature	all shell condi	153.299255	1	-6.2587178
1990	male	immature	all shell condi	895.895238	1	-1.5640872
1990	male	mature	all shell condi	1396.15607	1	-4.3601719
1990	female	immature	all shell condi	276.84248	1	5.76774473
1990	female	mature	all shell condi	382.503493	1	9.47217704
1991	male	immature	all shell condi	322	1	5.13535258
1991	male	mature	all shell condi	2221.70747	1	-5.8458437
1991	female	immature	all shell condi	138.15892	1	6.89447178
1991	female	mature	all shell condi	899.063519	1	7.41164127
1992	male	immature	all shell condi	795.212466	1	8.95779005
1992	male	mature	all shell condi	847.3136	1	3.44294746
1992	female	immature	all shell condi	322.127221	1	2.92074729
1992	female	mature	all shell condi	886.403462	1	-5.3973967
1993	male	immature	all shell condi	444.509998	1	16.7198643
1993	male	mature	all shell condi	807.491796	1	8.15548285
1993	female	immature	all shell condi	553.730242	1	3.47482185
1993	female	mature	all shell condi	184.316785	1	-17.349429
1994	male	immature	all shell condi	357.484962	1	8.96414937
1994	male	mature	all shell condi	947.444213	1	1.66523795
1994	female	immature	all shell condi	81.6776357	1	18.5179622

1994	female	mature	all shell condi	259.170425	1	-14.099337
1995	male	immature	all shell condi	319.633932	1	-4.0622595
1995	male	mature	all shell condi	773.177531	1	1.29214419
1995	female	immature	all shell condi	431.058182	1	-2.0899431
1995	female	mature	all shell condi	237.339395	1	17.3732298
1996	male	immature	all shell condi	492.567846	1	-1.8319657
1996	male	mature	all shell condi	712.874083	1	3.97788081
1996	female	immature	all shell condi	331.569915	1	-0.9388539
1996	female	mature	all shell condi	415.330619	1	8.98026379
1997	male	immature	all shell condi	487.155255	1	3.47675243
1997	male	mature	all shell condi	828.13095	1	-3.8416688
1997	female	immature	all shell condi	101.063964	1	20.0612564
1997	female	mature	all shell condi	460.74045	1	-7.7588823
1998	male	immature	all shell condi	353.374745	1	10.1715052
1998	male	mature	all shell condi	1096.76876	1	-1.0102569
1998	female	immature	all shell condi	404.022478	1	14.436932
1998	female	mature	all shell condi	163.131933	1	-10.362966
1999	male	immature	all shell condi	152.777818	1	11.4691454
1999	male	mature	all shell condi	433.086997	1	5.56409188
1999	female	immature	all shell condi	155.220545	1	8.8658066
1999	female	mature	all shell condi	407.235033	1	-4.4493335
2000	male	immature	all shell condi	224.943447	1	2.73774259
2000	male	mature	all shell condi	726.884353	1	8.84451881
2000	female	immature	all shell condi	332.05997	1	1.31706312
2000	female	mature	all shell condi	285.033536	1	-1.2935511
2001	male	immature	all shell condi	391.89079	1	7.31907409
2001	male	mature	all shell condi	1035.9644	1	-2.527225
2001	female	immature	all shell condi	282.735424	1	13.4421553
2001	female	mature	all shell condi	346.97061	1	-5.1097239
2002	male	immature	all shell condi	202.597278	1	4.32114867
2002	male	mature	all shell condi	806.721764	1	0.84263787
2002	female	immature	all shell condi	111.995183	1	17.375389
2002	female	mature	all shell condi	752.737215	1	-4.3731447
2003	male	immature	all shell condi	338.249077	1	2.54306038
2003	male	mature	all shell condi	654.792934	1	5.95766338
2003	female	immature	all shell condi	253.236862	1	-4.9254369
2003	female	mature	all shell condi	266.156597	1	9.87819428
2004	male	immature	all shell condi	241.632788	1	-1.5582863
2004	male	mature	all shell condi	237.449592	1	21.2008639
2004	female	immature	all shell condi	158.396687	1	11.3983914
2004	female	mature	all shell condi	331.914555	1	-4.3575271

2005	male	immature	all shell condi	485.316728	1	-2.211084
2005	male	mature	all shell condi	1018.7405	1	-0.7729255
2005	female	immature	all shell condi	258.052487	1	18.6364502
2005	female	mature	all shell condi	1356.3259	1	-3.2742123
2006	male	immature	all shell condi	353.162798	1	8.10984414
2006	male	mature	all shell condi	379.965991	1	6.56912915
2006	female	immature	all shell condi	210.05392	1	9.70751904
2006	female	mature	all shell condi	533.455089	1	-6.3701272
2007	male	immature	all shell condi	255.539797	1	23.0744459
2007	male	mature	all shell condi	235.730674	1	10.2713976
2007	female	immature	all shell condi	693.248433	1	0.94126715
2007	female	mature	all shell condi	149.546365	1	-12.152063
2008	male	immature	all shell condi	526.360332	1	10.6433407
2008	male	mature	all shell condi	301.988277	1	9.17753325
2008	female	immature	all shell condi	824.866713	1	0.03860745
2008	female	mature	all shell condi	598.864927	1	-7.7349378
2009	male	immature	all shell condi	101.449461	1	3.90254062
2009	male	mature	all shell condi	277.920884	1	12.6989226
2009	female	immature	all shell condi	82.5230477	1	2.07944731
2009	female	mature	all shell condi	1103.05302	1	4.24901404
2010	male	immature	all shell condi	221.072589	1	-1.4129493
2010	male	mature	all shell condi	297.169095	1	16.1690164
2010	female	immature	all shell condi	201.729435	1	-2.0664985
2010	female	mature	all shell condi	13798.1623	1	-0.2803202
2011	male	immature	all shell condi	392.30624	1	6.56378491
2011	male	mature	all shell condi	920.016075	1	2.25210601
2011	female	immature	all shell condi	195.656034	1	11.2880046
2011	female	mature	all shell condi	340.116786	1	-5.1979658
2012	male	immature	all shell condi	404.177989	1	13.1968936
2012	male	mature	all shell condi	347.295293	1	5.41549449
2012	female	immature	all shell condi	235.183699	1	0.60552049
2012	female	mature	all shell condi	529.33029	1	-2.696494
2013	male	immature	all shell condi	990.998102	1	6.46969806
2013	male	mature	all shell condi	264.259379	1	10.0277366
2013	female	immature	all shell condi	477.379245	1	-0.9216502
2013	female	mature	all shell condi	1032.44214	1	-2.4397786
2014	male	immature	all shell condi	539.428621	1	11.2894439
2014	male	mature	all shell condi	265.614071	1	8.34559956
2014	female	immature	all shell condi	117.361126	1	12.523521
2014	female	mature	all shell condi	334.361056	1	-9.3882439
2015	male	immature	all shell condi	1096.74299	1	7.73567048

	2015	male	mature	all shell condi	492.390088	1	3.45559304
	2015	female	immature	all shell condi	526.434179	1	3.16371327
	2015	female	mature	all shell condi	478.77101	1	-2.1464693
	2016	male	immature	all shell condi	458.026825	1	8.79431787
	2016	male	mature	all shell condi	183.348293	1	20.1691488
	2016	female	immature	all shell condi	326.955373	1	2.55810961
	2016	female	mature	all shell condi	279.871103	1	-9.0922832
	2017	male	immature	all shell condi	99.9154911	1	-2.9661773
	2017	male	mature	all shell condi	169.585016	1	22.3675868
	2017	female	immature	all shell condi	71.536088	1	7.74357474
	2017	female	mature	all shell condi	762.08186	1	0.87531921
all		male	all maturity st	new shell	3.75880971	0	303.765984
all		male	all maturity st	old shell	4.69115856	0	473.149826
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	3.10402692	0	207.152138
all		male	all maturity st	old shell	4.18484607	0	376.528138
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
	1975	male	all maturity st	new shell	50.2483021	0	36.1099676
	1975	male	all maturity st	old shell	43.1783558	0	25.634993
	1976	male	all maturity st	new shell	56.5326732	0	22.3478827
	1976	male	all maturity st	old shell	26.8635036	0	43.4640751
	1977	male	all maturity st	new shell	69.5435148	0	22.1579339
	1977	male	all maturity st	old shell	104.079659	0	15.3168235
	1978	male	all maturity st	new shell	67.0013145	0	21.0911583
	1978	male	all maturity st	old shell	54.9874286	0	24.9681848
	1979	male	all maturity st	new shell	169.702636	0	5.92276433
	1979	male	all maturity st	old shell	30.2486676	0	50.7994348
	1980	male	all maturity st	new shell	91.9367655	0	9.69152159
	1980	male	all maturity st	old shell	22.5097896	0	81.9033355
	1981	male	all maturity st	new shell	58.7178635	0	19.7936984
	1981	male	all maturity st	old shell	22.1282567	0	54.0199489
	1982	male	all maturity st	new shell	33.8437829	0	33.4894082
	1982	male	all maturity st	old shell	207.769388	0	5.22108309
	1983	male	all maturity st	new shell	74.2869877	0	14.5680097
	1983	male	all maturity st	old shell	62.0402166	0	17.9333033
	1984	male	all maturity st	new shell	141.561389	0	5.07618298
	1984	male	all maturity st	old shell	56.1978018	0	19.153221
	1985	male	all maturity st	new shell	60.8624605	0	20.5249247
	1985	male	all maturity st	old shell	48.7922097	0	23.2548923

1986	male	all maturity st	new shell	72.8235433	0	15.4689154
1986	male	all maturity st	old shell	72.3069444	0	11.5235032
1987	male	all maturity st	new shell	52.4443739	0	15.3329013
1987	male	all maturity st	old shell	194.123884	0	6.50201834
1988	male	all maturity st	new shell	93.2170579	0	11.1381926
1988	male	all maturity st	old shell	244.950371	0	7.0437992
1989	male	all maturity st	new shell	167.193357	0	7.0459606
1989	male	all maturity st	old shell	163.763739	0	8.37035902
1990	male	all maturity st	new shell	467.596612	0	2.81537941
1990	male	all maturity st	old shell	440.595097	0	3.53393632
1991	male	all maturity st	new shell	200.464377	0	5.86569817
1991	male	all maturity st	old shell	616.268677	0	1.91553323
1992	male	all maturity st	new shell	279.775713	0	4.51163189
1992	male	all maturity st	old shell	154.74046	0	6.18572763
1993	male	all maturity st	new shell	321.707252	0	3.71692391
1993	male	all maturity st	old shell	270.01984	0	3.15064898
1994	male	all maturity st	new shell	216.105317	0	4.39929484
1994	male	all maturity st	old shell	178.12331	0	5.15228368
1995	male	all maturity st	new shell	81.9365427	0	10.573319
1995	male	all maturity st	old shell	139.121483	0	8.27529529
1996	male	all maturity st	new shell	106.511562	0	12.3074178
1996	male	all maturity st	old shell	95.8353718	0	9.48312872
1997	male	all maturity st	new shell	138.452716	0	7.94414914
1997	male	all maturity st	old shell	208.683838	0	6.17176558
1998	male	all maturity st	new shell	242.304622	0	3.9396976
1998	male	all maturity st	old shell	184.160006	0	5.39465939
1999	male	all maturity st	new shell	65.8495974	0	13.9119979
1999	male	all maturity st	old shell	80.5761547	0	12.055886
2000	male	all maturity st	new shell	124.452869	0	5.38295968
2000	male	all maturity st	old shell	128.730556	0	9.04365417
2001	male	all maturity st	new shell	193.100729	0	5.51490165
2001	male	all maturity st	old shell	265.352061	0	5.1151311
2002	male	all maturity st	new shell	75.8921007	0	10.7491831
2002	male	all maturity st	old shell	173.026635	0	4.55719441
2003	male	all maturity st	new shell	138.658668	0	7.14385822
2003	male	all maturity st	old shell	187.639852	0	5.19291257
2004	male	all maturity st	new shell	114.888261	0	7.96866142
2004	male	all maturity st	old shell	37.8459049	0	81.8664907
2005	male	all maturity st	new shell	231.189513	0	5.27627667
2005	male	all maturity st	old shell	138.576303	0	8.21095703
2006	male	all maturity st	new shell	132.599299	0	9.67026613

	2006	male	all maturity st	old shell	180.46132	0	7.66955478
	2007	male	all maturity st	new shell	251.319139	0	6.28402247
	2007	male	all maturity st	old shell	96.4207556	0	17.2752255
	2008	male	all maturity st	new shell	201.46974	0	6.00234396
	2008	male	all maturity st	old shell	61.4287974	0	19.1192308
	2009	male	all maturity st	new shell	32.6276015	0	20.0510243
	2009	male	all maturity st	old shell	64.3573006	0	14.9067662
	2010	male	all maturity st	new shell	51.8006591	0	20.3007671
	2010	male	all maturity st	old shell	90.9815853	0	11.5520276
	2011	male	all maturity st	new shell	150.449043	0	4.73685266
	2011	male	all maturity st	old shell	113.983627	0	8.40797413
	2012	male	all maturity st	new shell	195.380319	0	4.56885827
	2012	male	all maturity st	old shell	137.290664	0	9.35255257
	2013	male	all maturity st	new shell	179.716002	0	7.02628474
	2013	male	all maturity st	old shell	103.736763	0	15.5201604
	2014	male	all maturity st	new shell	226.565317	0	6.28884149
	2014	male	all maturity st	old shell	118.338788	0	9.33816301
	2015	male	all maturity st	new shell	359.079936	0	5.44789889
	2015	male	all maturity st	old shell	156.764048	0	7.68893597
	2016	male	all maturity st	new shell	141.449192	0	10.5195375
	2016	male	all maturity st	old shell	106.03235	0	11.1158174
	2017	male	all maturity st	new shell	28.736354	0	13.9962961
	2017	male	all maturity st	old shell	106.168877	0	10.0759516
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.30204502	0	234.425278
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.51110454	0	135.571389
all		female	mature	old shell	3.22269164	0	223.29344
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.00736866	0	194.451725
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.43010414	0	126.966232
all		female	mature	old shell	2.83778432	0	173.139927
	1975	female	immature	new shell	12.0275891	0	28.7713194
	1975	female	mature	new shell	43.5722792	0	6.93087042

1975	female	mature	old shell	7.43388995	0	35.7610971
1976	female	immature	new shell	16.3457604	0	68.2761405
1976	female	mature	new shell	47.7457265	0	6.76814332
1976	female	mature	old shell	8.05765337	0	36.2628785
1977	female	immature	new shell	23.462559	0	25.5029074
1977	female	mature	new shell	35.9159268	0	10.9512757
1977	female	mature	old shell	18.4712391	0	17.2133472
1978	female	immature	new shell	29.3016469	0	20.465814
1978	female	mature	new shell	77.3337351	0	4.67778951
1978	female	mature	old shell	24.3546364	0	12.0241917
1979	female	immature	new shell	33.2164037	0	12.2782426
1979	female	mature	new shell	73.3647115	0	5.99525704
1979	female	mature	old shell	18.100356	0	16.9000116
1980	female	immature	new shell	61.2908349	0	5.71010283
1980	female	mature	new shell	15.0444755	0	13.2122609
1980	female	mature	old shell	15.7234848	0	18.6344869
1981	female	immature	new shell	31.1554728	0	48.6751811
1981	female	mature	new shell	10.9404132	0	28.0046156
1981	female	mature	old shell	53.4252268	0	6.26302891
1982	female	immature	new shell	43.7263968	0	16.9583236
1982	female	mature	new shell	8.62847255	0	26.5306631
1982	female	mature	old shell	27.6158096	0	9.59066671
1983	female	immature	new shell	63.9262139	0	4.63270147
1983	female	mature	new shell	52.8447456	0	8.64021729
1983	female	mature	old shell	106.658988	0	2.60343736
1984	female	immature	new shell	35.2847581	0	5.49841932
1984	female	mature	new shell	39.9972378	0	5.56051543
1984	female	mature	old shell	239.37906	0	2.06696754
1985	female	immature	new shell	132.838474	0	4.47806188
1985	female	mature	new shell	10.3524653	0	44.594297
1985	female	mature	old shell	282.750614	0	2.61370427
1986	female	immature	new shell	70.6519776	0	6.03772598
1986	female	mature	new shell	6.29417524	0	38.9210255
1986	female	mature	old shell	27.2216377	0	11.7071212
1987	female	immature	new shell	17.8661027	0	34.6990581
1987	female	mature	new shell	35.4955358	0	11.0663339
1987	female	mature	old shell	20.0585962	0	19.5975378
1988	female	immature	new shell	107.246129	0	5.97901948
1988	female	mature	new shell	15.3063426	0	22.6994186
1988	female	mature	old shell	32.251358	0	11.0603756
1989	female	immature	new shell	46.6077233	0	5.55732889

1989	female	mature	new shell	26.7289772	0	11.557034
1989	female	mature	old shell	41.9384923	0	10.4776804
1990	female	immature	new shell	57.0859812	0	5.51780931
1990	female	mature	new shell	210.091798	0	1.75147765
1990	female	mature	old shell	37.3273694	0	10.1078683
1991	female	immature	new shell	19.1133532	0	15.5529811
1991	female	mature	new shell	104.33177	0	2.61305209
1991	female	mature	old shell	137.15735	0	3.17281963
1992	female	immature	new shell	29.4122264	0	14.2504829
1992	female	mature	new shell	64.4314266	0	6.14911414
1992	female	mature	old shell	129.493906	0	2.76215437
1993	female	immature	new shell	57.7100342	0	8.00319375
1993	female	mature	new shell	25.8232194	0	10.1052487
1993	female	mature	old shell	185.814826	0	1.93962943
1994	female	immature	new shell	27.0561769	0	11.5331224
1994	female	mature	new shell	36.6756812	0	10.4495494
1994	female	mature	old shell	235.277548	0	1.80802659
1995	female	immature	new shell	76.6844303	0	6.50777754
1995	female	mature	new shell	27.9556135	0	13.9099298
1995	female	mature	old shell	496.999202	0	0.74364065
1996	female	immature	new shell	66.9979135	0	7.40888819
1996	female	mature	new shell	25.2524623	0	11.3657144
1996	female	mature	old shell	208.068343	0	1.60297797
1997	female	immature	new shell	58.7812565	0	3.84393052
1997	female	mature	new shell	83.2987353	0	3.59391564
1997	female	mature	old shell	181.243667	0	2.34350408
1998	female	immature	new shell	362.899021	0	1.20880156
1998	female	mature	new shell	49.3214022	0	6.97992698
1998	female	mature	old shell	197.167803	0	2.72936294
1999	female	immature	new shell	55.1968786	0	6.19836653
1999	female	mature	new shell	14.3098501	0	16.3616796
1999	female	mature	old shell	122.946981	0	2.52314377
2000	female	immature	new shell	96.1784339	0	2.52613076
2000	female	mature	new shell	29.5387865	0	8.88913605
2000	female	mature	old shell	27.6846009	0	12.0054439
2001	female	immature	new shell	169.66303	0	2.0842291
2001	female	mature	new shell	132.690355	0	5.15040265
2001	female	mature	old shell	44.9462065	0	5.70733349
2002	female	immature	new shell	54.9512118	0	5.1762653
2002	female	mature	new shell	44.5470943	0	7.94270345
2002	female	mature	old shell	72.3571057	0	3.28987964

2003	female	immature	new shell	79.7004909	0	4.09762333
2003	female	mature	new shell	148.249158	0	2.42921049
2003	female	mature	old shell	51.0553966	0	9.00717712
2004	female	immature	new shell	62.245095	0	6.32626565
2004	female	mature	new shell	157.77141	0	1.43831686
2004	female	mature	old shell	42.9304156	0	10.2446344
2005	female	immature	new shell	372.393908	0	1.81738809
2005	female	mature	new shell	141.589359	0	3.57158125
2005	female	mature	old shell	323.416308	0	2.70179999
2006	female	immature	new shell	53.9342437	0	7.01475598
2006	female	mature	new shell	172.437579	0	2.40372521
2006	female	mature	old shell	157.066892	0	3.1927145
2007	female	immature	new shell	112.956146	0	3.96224627
2007	female	mature	new shell	48.6220008	0	7.64894498
2007	female	mature	old shell	720.195239	0	0.69065848
2008	female	immature	new shell	116.800123	0	3.22750738
2008	female	mature	new shell	94.0793675	0	5.02317388
2008	female	mature	old shell	508.84378	0	0.90431764
2009	female	immature	new shell	23.32982	0	10.2631672
2009	female	mature	new shell	30.470187	0	6.88960349
2009	female	mature	old shell	621.793588	0	0.64584487
2010	female	immature	new shell	81.2301838	0	5.18270446
2010	female	mature	new shell	196.959241	0	1.98843454
2010	female	mature	old shell	817.881293	0	0.64918823
2011	female	immature	new shell	62.7892217	0	6.44332806
2011	female	mature	new shell	24.7088012	0	8.9571606
2011	female	mature	old shell	191.499874	0	2.32209711
2012	female	immature	new shell	61.0693071	0	6.40374796
2012	female	mature	new shell	32.9893298	0	6.94207555
2012	female	mature	old shell	206.111177	0	1.54701752
2013	female	immature	new shell	94.9033248	0	4.94783604
2013	female	mature	new shell	577.343287	0	0.86886885
2013	female	mature	old shell	51.7036709	0	5.71074441
2014	female	immature	new shell	21.0392423	0	18.9513949
2014	female	mature	new shell	55.1612966	0	4.01347469
2014	female	mature	old shell	65.7895451	0	4.964642
2015	female	immature	new shell	69.2497935	0	6.54437989
2015	female	mature	new shell	16.5086184	0	14.2130902
2015	female	mature	old shell	160.266242	0	2.21076962
2016	female	immature	new shell	38.936757	0	10.9783103
2016	female	mature	new shell	67.6952353	0	7.92677398

	2016	female	mature	old shell	63.2829144	0	4.24201142
	2017	female	immature	new shell	16.180696	0	12.0920846
	2017	female	mature	new shell	29.9534183	0	17.1038154
	2017	female	mature	old shell	104.42037	0	2.11279069
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.21431429	20	0.87268166
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	25.3909469	1	16.814173
	1981	male	all maturity st	all shell condi	1812.35104	1	0.34969947
	1982	male	all maturity st	all shell condi	1555.40059	1	0.36274872
	1983	male	all maturity st	all shell condi	50.0767819	1	1.10604578
	1984	male	all maturity st	all shell condi	474.146471	1	0.1561138
	1988	male	all maturity st	all shell condi	134.222373	1	3.90316161
	1989	male	all maturity st	all shell condi	1627.45096	1	0.09295628
	1990	male	all maturity st	all shell condi	266.142581	1	4.69240052
	1991	male	all maturity st	all shell condi	148.481853	1	5.91641733
	1992	male	all maturity st	all shell condi	95.5566272	1	8.33063826
	1993	male	all maturity st	all shell condi	135.065277	1	5.22944213
	1994	male	all maturity st	all shell condi	145.281331	1	5.44386665
	1995	male	all maturity st	all shell condi	179.844594	1	0.28021599
	1996	male	all maturity st	all shell condi	182.555862	1	0.76981264
	2005	male	all maturity st	all shell condi	14.1765119	1	1.35878674
	2006	male	all maturity st	all shell condi	311.842033	1	0.29522017
	2007	male	all maturity st	all shell condi	1939.3679	1	0.14908386
	2008	male	all maturity st	all shell condi	970.447373	1	0.20023195
	2009	male	all maturity st	all shell condi	125.732994	1	0.48883793
	2013	male	all maturity st	all shell condi	681.213415	1	0.25757779
	2014	male	all maturity st	all shell condi	205.9401	1	3.10961882
	2015	male	all maturity st	all shell condi	155.451585	1	7.0469516
all		male	all maturity st	all shell condi	0.20204532	20	0.26534502
all		female	all maturity st	all shell condi	0.55703678	20	2.01688481
	1991	male	all maturity st	all shell condi	1418.75833	1	0.99865157
	1991	female	all maturity st	all shell condi	499.446303	1	1.34444078
	1992	male	all maturity st	all shell condi	120.791825	1	19.4793644
	1992	female	all maturity st	all shell condi	475.373862	1	0.53043951
	1993	male	all maturity st	all shell condi	270.893172	1	7.44204144
	1993	female	all maturity st	all shell condi	344.950571	1	0.97601576
	1994	male	all maturity st	all shell condi	584.994838	1	0.79207322
	1994	female	all maturity st	all shell condi	59.530501	1	1.33965776
	1995	male	all maturity st	all shell condi	305.307134	1	0.68251863

	1995	female	all maturity st	all shell condi	93.3794926	1	0.93231286
	1996	male	all maturity st	all shell condi	30.6232639	1	1.33182788
	1996	female	all maturity st	all shell condi	251.545223	1	0.05530065
	2005	male	all maturity st	all shell condi	97.434459	1	14.5707466
	2005	female	all maturity st	all shell condi	39.2834788	1	0.96139396
	2006	male	all maturity st	all shell condi	291.326085	1	3.94895668
	2006	female	all maturity st	all shell condi	420.267237	1	0.7789929
	2007	male	all maturity st	all shell condi	373.812915	1	5.22690291
	2007	female	all maturity st	all shell condi	328.623264	1	0.35687661
	2008	male	all maturity st	all shell condi	1101.03011	1	2.05057528
	2008	female	all maturity st	all shell condi	45.9874528	1	0.31681791
	2009	male	all maturity st	all shell condi	163.049446	1	5.5216251
	2009	female	all maturity st	all shell condi	24.5937299	1	0.17641713
	2013	male	all maturity st	all shell condi	1338.65994	1	0.97731227
	2013	female	all maturity st	all shell condi	65.0095517	1	0.58962617
	2014	male	all maturity st	all shell condi	196.085871	1	11.1096499
	2014	female	all maturity st	all shell condi	187.640926	1	0.19725021
	2015	male	all maturity st	all shell condi	123.751991	1	14.1223193
	2015	female	all maturity st	all shell condi	72.6834211	1	1.13141485
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.08368508	20	0.08753991
all		female	all maturity st	all shell condi	0.32075637	20	1.2860581
	1992	male	all maturity st	all shell condi	181.979954	1	3.02861002
	1992	female	all maturity st	all shell condi	18.7017172	1	0.9702076
	1993	male	all maturity st	all shell condi	114.444281	1	3.17401902
	1993	female	all maturity st	all shell condi	30.9288968	1	1.19781831
	1994	male	all maturity st	all shell condi	38.2192819	1	3.30333423
	1994	female	all maturity st	all shell condi	40.0908783	1	1.84409087
	1995	male	all maturity st	all shell condi	87.215672	1	0.9788601
	1995	female	all maturity st	all shell condi	41.5060583	1	0.28754781
	1996	male	all maturity st	all shell condi	286.232432	1	1.64983927
	1996	female	all maturity st	all shell condi	46.6481041	1	0.4260711
	1997	male	all maturity st	all shell condi	433.452162	1	1.01955491
	1997	female	all maturity st	all shell condi	110.485183	1	0.19563764
	1998	male	all maturity st	all shell condi	968.92774	1	0.20340306
	1998	female	all maturity st	all shell condi	21.1495453	1	0.31837813
	1999	male	all maturity st	all shell condi	129.514204	1	0.34557148
	1999	female	all maturity st	all shell condi	29.5201451	1	0.07114611
	2000	male	all maturity st	all shell condi	267.481665	1	0.27024521
	2000	female	all maturity st	all shell condi	30.2201322	1	0.09816503

	2001	male	all maturity st	all shell condi	606.438019	1	0.28038513
	2001	female	all maturity st	all shell condi	122.695778	1	0.0594036
	2002	male	all maturity st	all shell condi	60.1844812	1	0.79415028
	2002	female	all maturity st	all shell condi	44.9596737	1	0.06530132
	2003	male	all maturity st	all shell condi	108.979789	1	0.40089256
	2003	female	all maturity st	all shell condi	44.5048789	1	0.10144707
	2004	male	all maturity st	all shell condi	23.2586761	1	1.85151844
	2004	female	all maturity st	all shell condi	30.5085665	1	0.82569159
	2005	male	all maturity st	all shell condi	122.671051	1	4.49466464
	2005	female	all maturity st	all shell condi	160.429502	1	0.12520255
	2006	male	all maturity st	all shell condi	77.8917849	1	5.82929864
	2006	female	all maturity st	all shell condi	50.8987817	1	1.05974776
	2007	male	all maturity st	all shell condi	379.900955	1	2.18776543
	2007	female	all maturity st	all shell condi	46.2317007	1	0.39976655
	2008	male	all maturity st	all shell condi	94.6349601	1	7.06586987
	2008	female	all maturity st	all shell condi	14.4901307	1	2.2462942
	2009	male	all maturity st	all shell condi	444.929812	1	2.08790119
	2009	female	all maturity st	all shell condi	20.5118066	1	0.93517532
	2010	male	all maturity st	all shell condi	355.608337	1	1.34264121
	2010	female	all maturity st	all shell condi	73.8755312	1	0.1827969
	2011	male	all maturity st	all shell condi	226.723584	1	3.17700209
	2011	female	all maturity st	all shell condi	61.0484253	1	0.16776494
	2012	male	all maturity st	all shell condi	200.908362	1	2.68291045
	2012	female	all maturity st	all shell condi	47.2006554	1	0.17406503
	2013	male	all maturity st	all shell condi	250.479491	1	2.59443587
	2013	female	all maturity st	all shell condi	208.527508	1	0.07416475
	2014	male	all maturity st	all shell condi	534.460737	1	2.51778597
	2014	female	all maturity st	all shell condi	63.2065591	1	0.40521961
	2015	male	all maturity st	all shell condi	513.132575	1	1.96791583
	2015	female	all maturity st	all shell condi	112.34183	1	0.08983447
	2016	male	all maturity st	all shell condi	428.729629	1	2.48366883
	2016	female	all maturity st	all shell condi	114.573891	1	0.0911059
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.05763723	20	0.0730851
	1973	male	all maturity st	all shell condi	415.214614	1	-2.8345499
	1973	female	all maturity st	all shell condi	244.917054	1	5.10871437
	1974	male	all maturity st	all shell condi	750.237114	1	-1.9838311
	1974	female	all maturity st	all shell condi	219.844983	1	3.28544734
	1975	male	all maturity st	all shell condi	341.911865	1	-0.6754868
	1975	female	all maturity st	all shell condi	209.727818	1	1.84260898
	1976	male	all maturity st	all shell condi	170.804057	1	-7.3428358

1976	female	all maturity st	all shell condi	107.734788	1	20.9671312
1977	male	all maturity st	all shell condi	210.170947	1	-2.9458477
1977	female	all maturity st	all shell condi	268.347352	1	14.8401607
1978	male	all maturity st	all shell condi	207.601169	1	-2.0800131
1978	female	all maturity st	all shell condi	194.566226	1	22.834264
1979	male	all maturity st	all shell condi	460.974819	1	-0.5409486
1979	female	all maturity st	all shell condi	734.414145	1	9.64665222
1980	male	all maturity st	all shell condi	1465.5373	1	6.66837821
1980	female	all maturity st	all shell condi	311.720369	1	-1.4541312
1981	male	all maturity st	all shell condi	699.051847	1	-0.8404486
1981	female	all maturity st	all shell condi	52.0587625	1	11.3347397
1982	male	all maturity st	all shell condi	450.012144	1	11.613822
1982	female	all maturity st	all shell condi	60.0876351	1	13.8433384
1983	male	all maturity st	all shell condi	328.052496	1	31.4660958
1983	female	all maturity st	all shell condi	132.201974	1	-10.731559
1984	male	all maturity st	all shell condi	357.569759	1	38.1356059
1984	female	all maturity st	all shell condi	240.156741	1	-17.845614
1985	male	all maturity st	all shell condi	174.241984	1	26.6888898
1985	female	all maturity st	all shell condi	299.166963	1	-7.2562251
1986	male	all maturity st	all shell condi	235.048765	1	13.501937
1986	female	all maturity st	all shell condi	186.852741	1	-0.6826185
1987	male	all maturity st	all shell condi	264.49647	1	7.95041714
1987	female	all maturity st	all shell condi	692.576274	1	9.87248873
1988	male	all maturity st	all shell condi	384.328996	1	-0.4326711
1988	female	all maturity st	all shell condi	226.826869	1	12.3189884
1989	male	all maturity st	all shell condi	785.901061	1	-15.36451
1989	female	all maturity st	all shell condi	597.487635	1	26.0859923
1990	male	all maturity st	all shell condi	1105.57438	1	10.0160346
1990	female	all maturity st	all shell condi	301.430471	1	-1.564866
1991	male	all maturity st	all shell condi	360.558196	1	-0.1283482
1991	female	all maturity st	all shell condi	180.277813	1	7.70837012
1992	male	all maturity st	all shell condi	184.341642	1	5.02836159
1992	female	all maturity st	all shell condi	63.4106399	1	3.11782707
1993	male	all maturity st	all shell condi	78.4883691	1	3.79420742
1993	female	all maturity st	all shell condi	94.3563483	1	-0.4603127
1994	male	all maturity st	all shell condi	240.323185	1	2.53876982
1994	female	all maturity st	all shell condi	424.724224	1	1.17466522
1995	male	all maturity st	all shell condi	59.6872508	1	10.1895413
1995	female	all maturity st	all shell condi	59.7647291	1	5.14954206
1996	male	all maturity st	all shell condi	190.537801	1	10.001468
1996	female	all maturity st	all shell condi	599.464552	1	-3.0193945

	1997	male	all maturity st	all shell condi	51.0804006	1	20.5669043
	1997	female	all maturity st	all shell condi	183.050334	1	5.22658675
	1998	male	all maturity st	all shell condi	126.341017	1	7.7261519
	1998	female	all maturity st	all shell condi	305.62181	1	7.08305819
	1999	male	all maturity st	all shell condi	493.669394	1	3.70069855
	1999	female	all maturity st	all shell condi	1160.21365	1	2.21849004
	2000	male	all maturity st	all shell condi	552.21685	1	4.44943222
	2000	female	all maturity st	all shell condi	860.932471	1	-0.0143374
	2001	male	all maturity st	all shell condi	798.04648	1	8.02453028
	2001	female	all maturity st	all shell condi	1160.89555	1	-3.6220172
	2002	male	all maturity st	all shell condi	430.970437	1	9.16670549
	2002	female	all maturity st	all shell condi	927.989791	1	-0.2494772
	2003	male	all maturity st	all shell condi	199.167658	1	4.84337415
	2003	female	all maturity st	all shell condi	307.07084	1	5.06338854
	2004	male	all maturity st	all shell condi	112.423947	1	-2.6471793
	2004	female	all maturity st	all shell condi	30.8142795	1	40.2853005
	2005	male	all maturity st	all shell condi	1351.83377	1	3.50531779
	2005	female	all maturity st	all shell condi	2047.38081	1	0.54862559
	2006	male	all maturity st	all shell condi	162.915193	1	13.6498704
	2006	female	all maturity st	all shell condi	140.3763	1	3.61804813
	2007	male	all maturity st	all shell condi	158.390725	1	10.7835215
	2007	female	all maturity st	all shell condi	85.317723	1	10.1993605
	2008	male	all maturity st	all shell condi	168.294854	1	26.3349045
	2008	female	all maturity st	all shell condi	167.123377	1	-8.4550599
	2009	male	all maturity st	all shell condi	279.250749	1	13.3299505
	2009	female	all maturity st	all shell condi	514.1599	1	-6.7565056
	2010	male	all maturity st	all shell condi	529.789158	1	5.20207742
	2010	female	all maturity st	all shell condi	2007.22131	1	-1.9933476
	2011	male	all maturity st	all shell condi	87.5006656	1	8.6392678
	2011	female	all maturity st	all shell condi	69.7908351	1	21.584817
	2012	male	all maturity st	all shell condi	415.282547	1	-8.9263607
	2012	female	all maturity st	all shell condi	106.725488	1	15.3017944
	2013	male	all maturity st	all shell condi	364.003647	1	-1.0237557
	2013	female	all maturity st	all shell condi	460.527099	1	12.8502583
	2014	male	all maturity st	all shell condi	894.993227	1	9.54001534
	2014	female	all maturity st	all shell condi	733.033296	1	-5.6357879
	2015	male	all maturity st	all shell condi	196.086893	1	15.6209985
	2015	female	all maturity st	all shell condi	210.253649	1	3.5327974
	2016	male	all maturity st	all shell condi	213.158599	1	-5.4543911
	2016	female	all maturity st	all shell condi	53.1760454	1	25.9774432
all		male	all maturity st	all shell condi	0	0	0

all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.18361164	20	0.38770218
all		female	all maturity st	all shell condi	0.0095262	20	0.00104361
	1992	male	all maturity st	all shell condi	33.824435	1	2.94670695
	1992	female	all maturity st	all shell condi	82.2173889	1	0.12730273
	1993	male	all maturity st	all shell condi	34.0943907	1	9.45456883
	1993	female	all maturity st	all shell condi	281.338729	1	0.29229753
	1996	male	all maturity st	all shell condi	13.0404461	1	0.42946617
	1996	female	all maturity st	all shell condi	3.42838685	1	0.03213778
	1997	male	all maturity st	all shell condi	20.2325017	1	2.3833273
	1997	female	all maturity st	all shell condi	23.3893046	1	0.06561301
	1998	male	all maturity st	all shell condi	58.2541982	1	0.3580527
	1998	female	all maturity st	all shell condi	20.7969216	1	0.06980258
	1999	male	all maturity st	all shell condi	50.1173023	1	0.28495389
	1999	female	all maturity st	all shell condi	17.3726404	1	0.0285848
	2000	male	all maturity st	all shell condi	131.312721	1	0.66595622
	2000	female	all maturity st	all shell condi	40.6455882	1	0.06659381
	2001	male	all maturity st	all shell condi	111.708707	1	0.27169088
	2001	female	all maturity st	all shell condi	50.0907108	1	0.03468516
	2002	male	all maturity st	all shell condi	85.4430267	1	0.51984223
	2002	female	all maturity st	all shell condi	37.4521261	1	0.04855141
	2003	male	all maturity st	all shell condi	57.2611398	1	0.61491032
	2003	female	all maturity st	all shell condi	53.6038221	1	0.0954045
	2004	male	all maturity st	all shell condi	31.2478111	1	0.82147317
	2004	female	all maturity st	all shell condi	20.971398	1	0.05606554
	2005	male	all maturity st	all shell condi	37.8508854	1	1.80085131
	2005	female	all maturity st	all shell condi	12.6526095	1	0.17240958
	2006	male	all maturity st	all shell condi	20.3247663	1	2.28978467
	2006	female	all maturity st	all shell condi	24.0276678	1	0.26801517
	2007	male	all maturity st	all shell condi	73.7930368	1	1.22055745
	2007	female	all maturity st	all shell condi	103.466903	1	0.08840342
	2008	male	all maturity st	all shell condi	75.3160331	1	2.1848999
	2008	female	all maturity st	all shell condi	93.0002037	1	0.12787209
	2009	male	all maturity st	all shell condi	20.4463538	1	7.98750989
	2009	female	all maturity st	all shell condi	108.299809	1	0.0516828
	2010	male	all maturity st	all shell condi	46.358195	1	0.88987153
	2010	female	all maturity st	all shell condi	35.9600321	1	0.0451332
	2011	male	all maturity st	all shell condi	60.0140512	1	0.31930581
	2011	female	all maturity st	all shell condi	5.93141667	1	0.01945568
	2012	male	all maturity st	all shell condi	55.6284788	1	0.70294071
	2012	female	all maturity st	all shell condi	6.75138339	1	0.21754327

2013	male	all maturity st	all shell condi	94.5666491	1	1.04212602
2013	female	all maturity st	all shell condi	9.6198604	1	0.18041788
2014	male	all maturity st	all shell condi	156.967113	1	1.02130232
2014	female	all maturity st	all shell condi	19.3185047	1	0.07368519
2015	male	all maturity st	all shell condi	139.867916	1	0.84751437
2015	female	all maturity st	all shell condi	86.4914095	1	0.07310353
2016	male	all maturity st	all shell condi	22.0311494	1	7.08464897
2016	female	all maturity st	all shell condi	19.3049172	1	0.52109835
2015	male	immature	new shell	0.54074365	1	84.8368707
2016	male	immature	new shell	0.54074365	1	107.981196
2015	female	immature	new shell	0.31858693	1	69.7699144
2016	female	immature	new shell	0.31858693	1	59.9793215
1994	male	immature	new shell	0.59262756	0	11.7971752
1995	male	immature	new shell	0.59262756	0	30.3836157
1996	male	immature	new shell	0.59262756	0	313.053053
1997	male	immature	new shell	0.59262756	0	485.704752
1998	male	immature	new shell	0.59262756	0	552.338831
1999	male	immature	new shell	0.59262756	0	453.230494
2000	male	immature	new shell	0.59262756	0	666.826376
2001	male	immature	new shell	0.59262756	0	793.891113
2002	male	immature	new shell	0.59262756	0	837.619104
2003	male	immature	new shell	0.59262756	0	307.395741
2004	male	immature	new shell	0.59262756	0	178.805908
2005	male	immature	new shell	0.59262756	0	111.461234
2006	male	immature	new shell	0.59262756	0	14.0598126
2011	male	immature	new shell	0.59262756	0	1.91812439
2012	male	immature	new shell	0.59262756	0	3.03505655
1994	female	immature	new shell	0.47825522	0	14.9873921
1995	female	immature	new shell	0.47825522	0	14.8121647
1996	female	immature	new shell	0.47825522	0	210.446884
1997	female	immature	new shell	0.47825522	0	163.803961
1998	female	immature	new shell	0.47825522	0	224.580599
1999	female	immature	new shell	0.47825522	0	296.847822
2000	female	immature	new shell	0.47825522	0	558.528451
2001	female	immature	new shell	0.47825522	0	534.915042
2002	female	immature	new shell	0.47825522	0	328.528499
2003	female	immature	new shell	0.47825522	0	88.4774683
2004	female	immature	new shell	0.47825522	0	96.2284987
2005	female	immature	new shell	0.47825522	0	23.7964163
2006	female	immature	new shell	0.47825522	0	7.56889499
2012	female	immature	new shell	0.47825522	0	2.28250396

	1990	male		new shell	1066.90965	0	301.870647
	1991	male		new shell	1066.90965	0	235.750621
	1992	male		new shell	1066.90965	0	52.2182246
	1993	male		new shell	1066.90965	0	101.476648
	1994	male		new shell	1066.90965	0	45.8505498
	1995	male		new shell	1066.90965	0	27.4068075
	1997	male		new shell	1066.90965	0	6.37131745
	1998	male		new shell	1066.90965	0	113.983041
	1999	male		new shell	1066.90965	0	19.7392506
	2000	male		new shell	1066.90965	0	120.752915
	2001	male		new shell	1066.90965	0	79.9098348
	2002	male		new shell	1066.90965	0	48.1650006
	2003	male		new shell	1066.90965	0	39.6904808
	2004	male		new shell	1066.90965	0	52.5275186
	2005	male		new shell	1066.90965	0	135.435173
	2008	male		new shell	1066.90965	0	155.551044
	2010	male		new shell	1066.90965	0	249.113558
	2012	male		new shell	1066.90965	0	35.5270865
	2014	male		new shell	1066.90965	0	102.986544
	2016	male		new shell	1066.90965	0	38.7097128
	2017	male		new shell	1066.90965	0	66.5981101
all		male	immature	new shell	0.09975135	1	903.822742
all		male	mature	new shell	0.09975135	1	903.822742
all		male	immature	old shell	0.09975135	1	903.822742
all		male	mature	old shell	0.09975135	1	903.822742
all		female	immature	new shell	0.09975135	1	903.822742
all		female	mature	new shell	0.09975135	1	903.822742
all		female	immature	old shell	0.09975135	1	903.822742
all		female	mature	old shell	0.09975135	1	903.822742
all		male	immature	new shell	0.09975135	1	566.00278
all		male	mature	new shell	0.09975135	1	566.00278
all		male	immature	old shell	0.09975135	1	566.00278
all		male	mature	old shell	0.09975135	1	566.00278
all		female	immature	new shell	0.09975135	1	566.00278
all		female	mature	new shell	0.09975135	1	566.00278
all		female	immature	old shell	0.09975135	1	566.00278
all		female	mature	old shell	0.09975135	1	566.00278
all		male	immature	all shell condi	3.55534359	0	271.770063
all		male	mature	all shell condi	2.47753669	0	131.971043
all		female	immature	all shell condi	3.15738839	0	214.335681
all		female	mature	all shell condi	2.58229528	0	143.367352

all		male	mature	all shell condi	2.25357551	1	109.189955
all		female	mature	all shell condi	2.28737638	1	112.48995
	1975	male	immature	all shell condi	332.736686	1	17.6325862
	1975	male	mature	all shell condi	95.7655646	1	42.6391461
	1975	female	immature	all shell condi	136.267989	1	7.51039067
	1975	female	mature	all shell condi	61.0450352	1	-13.576699
	1976	male	immature	all shell condi	235.168787	1	17.8137739
	1976	male	mature	all shell condi	302.382165	1	5.30832565
	1976	female	immature	all shell condi	202.295476	1	8.4349529
	1976	female	mature	all shell condi	99.9397025	1	-4.2816585
	1977	male	immature	all shell condi	337.805484	1	-0.3379959
	1977	male	mature	all shell condi	275.086313	1	-0.2894593
	1977	female	immature	all shell condi	58.8911488	1	30.2485932
	1977	female	mature	all shell condi	192.518415	1	0.72640795
	1978	male	immature	all shell condi	228.618365	1	-3.4932396
	1978	male	mature	all shell condi	296.438956	1	12.0183708
	1978	female	immature	all shell condi	87.1121268	1	13.5196297
	1978	female	mature	all shell condi	279.535691	1	2.61411937
	1979	male	immature	all shell condi	294.503728	1	5.33722229
	1979	male	mature	all shell condi	391.966328	1	-1.1680505
	1979	female	immature	all shell condi	295.620252	1	-7.3529467
	1979	female	mature	all shell condi	124.818063	1	20.2667331
	1980	male	immature	all shell condi	134.572291	1	20.8674617
	1980	male	mature	all shell condi	264.27985	1	-7.2597846
	1980	female	immature	all shell condi	1013.60118	1	-2.1446697
	1980	female	mature	all shell condi	88.611214	1	9.85919355
	1981	male	immature	all shell condi	402.060309	1	8.2135404
	1981	male	mature	all shell condi	528.234429	1	-7.4491782
	1981	female	immature	all shell condi	157.414099	1	-6.676071
	1981	female	mature	all shell condi	41.0954929	1	41.7275405
	1982	male	immature	all shell condi	158.397082	1	-10.245749
	1982	male	mature	all shell condi	250.443042	1	-8.7581242
	1982	female	immature	all shell condi	116.286964	1	-7.6176944
	1982	female	mature	all shell condi	8.81228285	1	117.944872
	1983	male	immature	all shell condi	225.190697	1	0.11713903
	1983	male	mature	all shell condi	443.754345	1	0.85315332
	1983	female	immature	all shell condi	240.266454	1	4.28509639
	1983	female	mature	all shell condi	156.759118	1	15.7980063
	1984	male	immature	all shell condi	229.985593	1	-16.078853
	1984	male	mature	all shell condi	164.902319	1	19.3557235
	1984	female	immature	all shell condi	155.474785	1	-6.9837428

1984	female	mature	all shell condi	85.2200761	1	28.1487188
1985	male	immature	all shell condi	129.356559	1	-18.315462
1985	male	mature	all shell condi	61.4374693	1	38.9339623
1985	female	immature	all shell condi	112.825432	1	-18.230762
1985	female	mature	all shell condi	63.0277197	1	38.4027717
1986	male	immature	all shell condi	304.41994	1	4.8783043
1986	male	mature	all shell condi	76.3310223	1	28.2803046
1986	female	immature	all shell condi	183.830374	1	-5.3521499
1986	female	mature	all shell condi	164.309346	1	-0.7650225
1987	male	immature	all shell condi	134.610242	1	6.51349453
1987	male	mature	all shell condi	492.364499	1	7.43941455
1987	female	immature	all shell condi	48.0752697	1	52.6472768
1987	female	mature	all shell condi	134.174912	1	-6.2652414
1988	male	immature	all shell condi	401.571018	1	1.48155518
1988	male	mature	all shell condi	445.066167	1	10.5013157
1988	female	immature	all shell condi	264.721424	1	-6.1119852
1988	female	mature	all shell condi	113.402654	1	14.3215293
1989	male	immature	all shell condi	280.767614	1	7.3868339
1989	male	mature	all shell condi	2240.29231	1	1.98630816
1989	female	immature	all shell condi	115.501836	1	15.1707053
1989	female	mature	all shell condi	146.239371	1	-6.5831801
1990	male	immature	all shell condi	1003.09526	1	-0.4035043
1990	male	mature	all shell condi	1046.73075	1	-5.2659038
1990	female	immature	all shell condi	295.959275	1	5.63275923
1990	female	mature	all shell condi	375.999445	1	9.2947386
1991	male	immature	all shell condi	366.67049	1	5.52477451
1991	male	mature	all shell condi	1584.83445	1	-6.5141697
1991	female	immature	all shell condi	154.678138	1	5.60009527
1991	female	mature	all shell condi	859.669076	1	7.7183804
1992	male	immature	all shell condi	956.325326	1	8.8423864
1992	male	mature	all shell condi	828.624007	1	3.91660135
1992	female	immature	all shell condi	337.229936	1	1.66040081
1992	female	mature	all shell condi	895.471765	1	-4.7140127
1993	male	immature	all shell condi	523.553916	1	15.4599092
1993	male	mature	all shell condi	702.506753	1	10.5687123
1993	female	immature	all shell condi	614.839949	1	2.27291067
1993	female	mature	all shell condi	189.209186	1	-17.053005
1994	male	immature	all shell condi	396.561755	1	7.60571428
1994	male	mature	all shell condi	741.786195	1	4.77614876
1994	female	immature	all shell condi	89.5842006	1	17.1427165
1994	female	mature	all shell condi	254.270995	1	-13.925153

1995	male	immature	all shell condi	295.592364	1	-4.8846231
1995	male	mature	all shell condi	719.885869	1	3.39434833
1995	female	immature	all shell condi	390.611024	1	-2.8393388
1995	female	mature	all shell condi	229.20268	1	17.8939064
1996	male	immature	all shell condi	463.618445	1	-2.5888321
1996	male	mature	all shell condi	595.982376	1	6.02579366
1996	female	immature	all shell condi	317.193068	1	-1.5244506
1996	female	mature	all shell condi	389.338486	1	9.30028381
1997	male	immature	all shell condi	476.728339	1	2.57684346
1997	male	mature	all shell condi	738.841301	1	-2.6908527
1997	female	immature	all shell condi	104.594309	1	19.1868738
1997	female	mature	all shell condi	472.784275	1	-7.3825949
1998	male	immature	all shell condi	395.577816	1	9.2157378
1998	male	mature	all shell condi	1071.9175	1	-0.348786
1998	female	immature	all shell condi	464.812574	1	13.6034145
1998	female	mature	all shell condi	166.248039	1	-10.127814
1999	male	immature	all shell condi	151.391385	1	10.893343
1999	male	mature	all shell condi	412.678429	1	6.31317037
1999	female	immature	all shell condi	153.547801	1	8.28282249
1999	female	mature	all shell condi	426.831049	1	-3.9634344
2000	male	immature	all shell condi	240.003596	1	1.81524906
2000	male	mature	all shell condi	670.852577	1	9.58897834
2000	female	immature	all shell condi	365.072865	1	0.29926862
2000	female	mature	all shell condi	280.716677	1	-0.5990681
2001	male	immature	all shell condi	416.505103	1	6.29288203
2001	male	mature	all shell condi	1109.05754	1	-2.1550612
2001	female	immature	all shell condi	297.804724	1	12.7098128
2001	female	mature	all shell condi	373.181737	1	-4.7650285
2002	male	immature	all shell condi	213.317139	1	3.58176643
2002	male	mature	all shell condi	791.501481	1	1.19108148
2002	female	immature	all shell condi	117.361995	1	16.5663543
2002	female	mature	all shell condi	865.789128	1	-4.0275804
2003	male	immature	all shell condi	343.829147	1	1.97651966
2003	male	mature	all shell condi	652.914906	1	6.15325835
2003	female	immature	all shell condi	272.671208	1	-5.5178374
2003	female	mature	all shell condi	254.087208	1	10.3151122
2004	male	immature	all shell condi	226.014012	1	-1.3160544
2004	male	mature	all shell condi	241.249991	1	20.9308378
2004	female	immature	all shell condi	143.207716	1	12.0752726
2004	female	mature	all shell condi	344.6674	1	-4.2811666
2005	male	immature	all shell condi	471.806731	1	-1.8210161

2005	male	mature	all shell condi	989.057524	1	-1.2140499
2005	female	immature	all shell condi	254.317576	1	18.8733179
2005	female	mature	all shell condi	1342.56279	1	-3.2767496
2006	male	immature	all shell condi	346.061917	1	8.66678898
2006	male	mature	all shell condi	372.204972	1	5.87057553
2006	female	immature	all shell condi	201.683177	1	9.88544836
2006	female	mature	all shell condi	541.533426	1	-6.3173102
2007	male	immature	all shell condi	245.956356	1	23.8748211
2007	male	mature	all shell condi	231.670426	1	9.64606812
2007	female	immature	all shell condi	652.098283	1	0.63382156
2007	female	mature	all shell condi	151.681661	1	-11.912544
2008	male	immature	all shell condi	492.613993	1	11.3034332
2008	male	mature	all shell condi	309.138814	1	8.70285764
2008	female	immature	all shell condi	811.962802	1	-0.2853286
2008	female	mature	all shell condi	621.439443	1	-7.59075
2009	male	immature	all shell condi	99.598717	1	4.12034515
2009	male	mature	all shell condi	290.255367	1	12.1978958
2009	female	immature	all shell condi	84.5302218	1	2.32212145
2009	female	mature	all shell condi	1182.9442	1	4.14221521
2010	male	immature	all shell condi	224.467711	1	-0.9469847
2010	male	mature	all shell condi	350.289609	1	14.6072331
2010	female	immature	all shell condi	207.968235	1	-1.0460056
2010	female	mature	all shell condi	9102.03478	1	-0.830886
2011	male	immature	all shell condi	378.450751	1	7.58241417
2011	male	mature	all shell condi	868.62693	1	1.11442404
2011	female	immature	all shell condi	181.123072	1	12.9175305
2011	female	mature	all shell condi	311.606896	1	-5.4692449
2012	male	immature	all shell condi	388.284026	1	14.3215586
2012	male	mature	all shell condi	331.778577	1	4.44196752
2012	female	immature	all shell condi	226.330643	1	1.1406173
2012	female	mature	all shell condi	512.232462	1	-2.6532687
2013	male	immature	all shell condi	949.406356	1	7.68386722
2013	male	mature	all shell condi	286.171972	1	8.69484093
2013	female	immature	all shell condi	448.744404	1	-1.0094369
2013	female	mature	all shell condi	981.100281	1	-1.9773605
2014	male	immature	all shell condi	516.509525	1	12.176204
2014	male	mature	all shell condi	276.113009	1	7.3704395
2014	female	immature	all shell condi	114.809249	1	12.536012
2014	female	mature	all shell condi	336.837803	1	-9.0454591
2015	male	immature	all shell condi	1028.82865	1	8.35328386
2015	male	mature	all shell condi	551.553243	1	2.60228693

	2015	female	immature	all shell condi	506.137418	1	3.16533195
	2015	female	mature	all shell condi	528.819202	1	-2.2177637
	2016	male	immature	all shell condi	452.350474	1	9.16781093
	2016	male	mature	all shell condi	200.051803	1	19.1316769
	2016	female	immature	all shell condi	323.813732	1	2.52701888
	2016	female	mature	all shell condi	292.771958	1	-9.1256914
	2017	male	immature	all shell condi	97.2714005	1	-2.978615
	2017	male	mature	all shell condi	180.837434	1	21.7424706
	2017	female	immature	all shell condi	67.9790314	1	8.41161063
	2017	female	mature	all shell condi	818.670556	1	0.89476954
all		male	all maturity st	new shell	3.75854601	0	303.723365
all		male	all maturity st	old shell	4.55871614	0	446.810696
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	3.1888296	0	218.625636
all		male	all maturity st	old shell	4.09768479	0	361.006944
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
	1975	male	all maturity st	new shell	59.4422587	0	29.9635282
	1975	male	all maturity st	old shell	35.1315685	0	30.9356615
	1976	male	all maturity st	new shell	61.9169152	0	21.8471394
	1976	male	all maturity st	old shell	25.2792025	0	47.0024338
	1977	male	all maturity st	new shell	79.1848359	0	21.8973751
	1977	male	all maturity st	old shell	92.7904736	0	18.3148856
	1978	male	all maturity st	new shell	69.7699046	0	19.8448177
	1978	male	all maturity st	old shell	45.5867736	0	34.845616
	1979	male	all maturity st	new shell	170.271378	0	5.23691194
	1979	male	all maturity st	old shell	24.9800573	0	69.7631401
	1980	male	all maturity st	new shell	93.1371481	0	9.17884355
	1980	male	all maturity st	old shell	18.4393697	0	104.462489
	1981	male	all maturity st	new shell	70.0162678	0	16.7102665
	1981	male	all maturity st	old shell	20.5762414	0	59.6264333
	1982	male	all maturity st	new shell	37.9318405	0	29.975472
	1982	male	all maturity st	old shell	182.392467	0	5.72936384
	1983	male	all maturity st	new shell	74.9216478	0	14.1166694
	1983	male	all maturity st	old shell	54.8567478	0	19.4721703
	1984	male	all maturity st	new shell	155.211385	0	4.42713762
	1984	male	all maturity st	old shell	48.875993	0	21.1704126
	1985	male	all maturity st	new shell	68.3997265	0	18.7326472
	1985	male	all maturity st	old shell	42.0079165	0	25.8200806
	1986	male	all maturity st	new shell	77.7508594	0	14.7810889

1986	male	all maturity st	old shell	62.9030975	0	13.1083536
1987	male	all maturity st	new shell	53.0426828	0	15.1656807
1987	male	all maturity st	old shell	179.58158	0	6.7053547
1988	male	all maturity st	new shell	98.7582027	0	10.4322854
1988	male	all maturity st	old shell	230.701945	0	7.14118706
1989	male	all maturity st	new shell	157.411459	0	7.25538122
1989	male	all maturity st	old shell	141.708936	0	9.17196965
1990	male	all maturity st	new shell	505.385549	0	2.71809442
1990	male	all maturity st	old shell	407.314672	0	3.43080687
1991	male	all maturity st	new shell	229.968315	0	5.0176082
1991	male	all maturity st	old shell	549.753977	0	1.80287816
1992	male	all maturity st	new shell	268.126082	0	4.78702904
1992	male	all maturity st	old shell	163.203598	0	5.82909754
1993	male	all maturity st	new shell	252.518432	0	4.73518808
1993	male	all maturity st	old shell	274.453267	0	3.03463619
1994	male	all maturity st	new shell	208.272771	0	4.80931157
1994	male	all maturity st	old shell	165.708271	0	6.65351676
1995	male	all maturity st	new shell	81.0855978	0	10.6438802
1995	male	all maturity st	old shell	131.8908	0	11.9822422
1996	male	all maturity st	new shell	105.242132	0	12.4557659
1996	male	all maturity st	old shell	84.9429811	0	13.194265
1997	male	all maturity st	new shell	132.831232	0	8.20988369
1997	male	all maturity st	old shell	149.81392	0	9.9773569
1998	male	all maturity st	new shell	254.942843	0	3.88378631
1998	male	all maturity st	old shell	159.885306	0	5.81525745
1999	male	all maturity st	new shell	63.3166785	0	14.5165837
1999	male	all maturity st	old shell	79.5614518	0	11.2982689
2000	male	all maturity st	new shell	129.230495	0	5.38031702
2000	male	all maturity st	old shell	137.706312	0	8.00593558
2001	male	all maturity st	new shell	200.444818	0	5.1640083
2001	male	all maturity st	old shell	284.051684	0	4.60236399
2002	male	all maturity st	new shell	79.1772082	0	10.3549798
2002	male	all maturity st	old shell	159.633778	0	4.83494937
2003	male	all maturity st	new shell	140.471688	0	6.96363154
2003	male	all maturity st	old shell	195.826678	0	4.96760534
2004	male	all maturity st	new shell	107.695574	0	8.39820273
2004	male	all maturity st	old shell	37.6003478	0	80.974746
2005	male	all maturity st	new shell	224.356169	0	5.47200108
2005	male	all maturity st	old shell	140.773229	0	7.86079816
2006	male	all maturity st	new shell	131.517755	0	9.72177985
2006	male	all maturity st	old shell	184.824385	0	7.40033949

	2007	male	all maturity st	new shell	245.782965	0	6.3156179
	2007	male	all maturity st	old shell	96.7586828	0	16.9259534
	2008	male	all maturity st	new shell	191.024985	0	6.22559933
	2008	male	all maturity st	old shell	60.8807326	0	19.0793389
	2009	male	all maturity st	new shell	31.8913528	0	20.3868343
	2009	male	all maturity st	old shell	64.0482117	0	14.854887
	2010	male	all maturity st	new shell	51.9256852	0	20.1703645
	2010	male	all maturity st	old shell	94.0113959	0	11.212137
	2011	male	all maturity st	new shell	147.558014	0	4.88091425
	2011	male	all maturity st	old shell	120.824389	0	8.00858229
	2012	male	all maturity st	new shell	196.004572	0	4.57916118
	2012	male	all maturity st	old shell	151.090242	0	8.73754823
	2013	male	all maturity st	new shell	178.847999	0	7.06635927
	2013	male	all maturity st	old shell	101.443328	0	15.5689999
	2014	male	all maturity st	new shell	221.474331	0	6.29580168
	2014	male	all maturity st	old shell	122.68574	0	9.08198508
	2015	male	all maturity st	new shell	344.278055	0	5.40184703
	2015	male	all maturity st	old shell	165.073981	0	7.41423324
	2016	male	all maturity st	new shell	137.022726	0	10.6030676
	2016	male	all maturity st	old shell	115.043099	0	10.4835061
	2017	male	all maturity st	new shell	28.0859879	0	14.2828356
	2017	male	all maturity st	old shell	117.781345	0	9.28212481
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.15738839	0	214.335681
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.65502162	0	151.556506
all		female	mature	old shell	3.15016088	0	213.355542
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	2.91898157	0	183.189749
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.59129618	0	144.368541
all		female	mature	old shell	2.79378007	0	167.811952
	1975	female	immature	new shell	14.8973007	0	30.5081263
	1975	female	mature	new shell	82.6811482	0	4.02977062
	1975	female	mature	old shell	8.0646724	0	32.3734228

1976	female	immature	new shell	41.9006884	0	8.30618975
1976	female	mature	new shell	54.1244309	0	6.06714148
1976	female	mature	old shell	9.12097398	0	31.6808874
1977	female	immature	new shell	33.0245001	0	8.90025736
1977	female	mature	new shell	41.5625634	0	9.733079
1977	female	mature	old shell	22.6826067	0	14.1331034
1978	female	immature	new shell	24.4125765	0	9.97802085
1978	female	mature	new shell	117.319463	0	3.07202994
1978	female	mature	old shell	30.5105509	0	9.6992553
1979	female	immature	new shell	49.5444601	0	4.07791497
1979	female	mature	new shell	56.8190009	0	7.63740429
1979	female	mature	old shell	22.0794493	0	13.509199
1980	female	immature	new shell	121.911049	0	3.29785348
1980	female	mature	new shell	13.1904159	0	15.4215993
1980	female	mature	old shell	18.944627	0	14.8475441
1981	female	immature	new shell	47.3902783	0	9.43342988
1981	female	mature	new shell	9.92545149	0	31.3308591
1981	female	mature	old shell	70.002487	0	5.68562862
1982	female	immature	new shell	41.2589324	0	16.8433009
1982	female	mature	new shell	8.82993801	0	25.677192
1982	female	mature	old shell	28.9784245	0	9.17725739
1983	female	immature	new shell	55.1708647	0	5.5332597
1983	female	mature	new shell	52.9353789	0	8.40824745
1983	female	mature	old shell	108.567311	0	2.5825638
1984	female	immature	new shell	37.7573364	0	5.27070757
1984	female	mature	new shell	35.2167473	0	6.35875324
1984	female	mature	old shell	234.431766	0	2.08215892
1985	female	immature	new shell	151.192647	0	4.08418845
1985	female	mature	new shell	10.7674643	0	42.7886551
1985	female	mature	old shell	298.951483	0	2.48444224
1986	female	immature	new shell	74.7559411	0	5.77934613
1986	female	mature	new shell	6.24893862	0	39.1529807
1986	female	mature	old shell	28.2863977	0	11.2040566
1987	female	immature	new shell	17.9537777	0	34.1935209
1987	female	mature	new shell	34.547538	0	11.3607179
1987	female	mature	old shell	20.7078411	0	18.934252
1988	female	immature	new shell	115.148908	0	5.65690875
1988	female	mature	new shell	15.4869521	0	22.6113071
1988	female	mature	old shell	32.3781275	0	10.928701
1989	female	immature	new shell	43.4754698	0	5.98269497
1989	female	mature	new shell	25.4257392	0	12.0706572

1989	female	mature	old shell	42.3662921	0	10.330067
1990	female	immature	new shell	61.8174107	0	5.20103387
1990	female	mature	new shell	218.591177	0	1.68745579
1990	female	mature	old shell	37.1131226	0	10.1071873
1991	female	immature	new shell	21.2721927	0	13.9445728
1991	female	mature	new shell	105.631047	0	2.5599347
1991	female	mature	old shell	134.86918	0	3.18593658
1992	female	immature	new shell	30.8299326	0	13.5479948
1992	female	mature	new shell	75.4072315	0	5.38500016
1992	female	mature	old shell	125.407085	0	2.82484295
1993	female	immature	new shell	56.9651713	0	8.13816187
1993	female	mature	new shell	31.3266686	0	8.28920333
1993	female	mature	old shell	175.770956	0	2.03564656
1994	female	immature	new shell	27.2418541	0	11.6368431
1994	female	mature	new shell	38.680678	0	9.99206114
1994	female	mature	old shell	208.586516	0	1.99722023
1995	female	immature	new shell	75.9884789	0	6.52108756
1995	female	mature	new shell	27.3699213	0	14.0973787
1995	female	mature	old shell	430.305187	0	0.88385183
1996	female	immature	new shell	67.6360315	0	7.45354505
1996	female	mature	new shell	25.4284888	0	11.3263031
1996	female	mature	old shell	190.272641	0	1.7760103
1997	female	immature	new shell	58.0125656	0	3.88226676
1997	female	mature	new shell	79.2068541	0	3.72157739
1997	female	mature	old shell	167.276809	0	2.52000643
1998	female	immature	new shell	379.584762	0	1.25660484
1998	female	mature	new shell	45.6128187	0	7.36652418
1998	female	mature	old shell	179.051866	0	2.9045551
1999	female	immature	new shell	53.0745879	0	6.44119202
1999	female	mature	new shell	13.9796914	0	16.8278343
1999	female	mature	old shell	118.642783	0	2.51398153
2000	female	immature	new shell	103.872036	0	2.30981754
2000	female	mature	new shell	26.8447304	0	9.8156764
2000	female	mature	old shell	26.558028	0	12.4509241
2001	female	immature	new shell	174.595501	0	1.97820066
2001	female	mature	new shell	129.685918	0	4.92158906
2001	female	mature	old shell	41.7118958	0	6.11709803
2002	female	immature	new shell	56.3221381	0	5.02877709
2002	female	mature	new shell	44.8807786	0	7.75249605
2002	female	mature	old shell	67.5258003	0	3.38913051
2003	female	immature	new shell	87.6134248	0	3.75372281

2003	female	mature	new shell	165.735145	0	2.18711773
2003	female	mature	old shell	54.3763638	0	8.45373895
2004	female	immature	new shell	55.7004676	0	6.89256186
2004	female	mature	new shell	157.471293	0	1.41330203
2004	female	mature	old shell	43.7216124	0	9.86426182
2005	female	immature	new shell	355.238607	0	1.93157689
2005	female	mature	new shell	126.509784	0	3.6042789
2005	female	mature	old shell	341.319697	0	2.53173473
2006	female	immature	new shell	51.2415298	0	7.31223897
2006	female	mature	new shell	172.945521	0	2.3735877
2006	female	mature	old shell	171.529541	0	2.93656918
2007	female	immature	new shell	107.299553	0	4.10332184
2007	female	mature	new shell	45.6542759	0	7.71061839
2007	female	mature	old shell	652.972946	0	0.70678841
2008	female	immature	new shell	116.383226	0	3.27254169
2008	female	mature	new shell	107.161222	0	4.59156576
2008	female	mature	old shell	474.687441	0	0.89493357
2009	female	immature	new shell	23.5961806	0	10.1678417
2009	female	mature	new shell	30.0175743	0	6.92960147
2009	female	mature	old shell	614.578974	0	0.67383424
2010	female	immature	new shell	77.8908684	0	5.08743703
2010	female	mature	new shell	208.152359	0	1.9380437
2010	female	mature	old shell	749.252578	0	0.65807308
2011	female	immature	new shell	57.6931135	0	6.94313236
2011	female	mature	new shell	24.7345083	0	8.97447092
2011	female	mature	old shell	176.728805	0	2.43685395
2012	female	immature	new shell	58.2813517	0	6.80551068
2012	female	mature	new shell	29.9530634	0	7.55345455
2012	female	mature	old shell	208.82277	0	1.53848928
2013	female	immature	new shell	90.5145911	0	5.25861923
2013	female	mature	new shell	508.524449	0	1.02165554
2013	female	mature	old shell	49.9892873	0	5.86394922
2014	female	immature	new shell	20.1243838	0	19.7896758
2014	female	mature	new shell	61.7995736	0	3.53627051
2014	female	mature	old shell	61.4402454	0	5.27996114
2015	female	immature	new shell	66.0026611	0	6.97761097
2015	female	mature	new shell	17.2348427	0	13.5516059
2015	female	mature	old shell	181.916607	0	2.00674365
2016	female	immature	new shell	38.5754532	0	11.1190764
2016	female	mature	new shell	61.9688405	0	8.24570384
2016	female	mature	old shell	68.7676379	0	3.89837637

	2017	female	immature	new shell	15.4862687	0	12.6976792
	2017	female	mature	new shell	32.2128687	0	16.2862216
	2017	female	mature	old shell	110.759238	0	1.99222507
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.22836352	20	0.99084805
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	24.0243935	1	18.5096201
	1981	male	all maturity st	all shell condi	1015.63944	1	0.43601906
	1982	male	all maturity st	all shell condi	700.90345	1	0.67041777
	1983	male	all maturity st	all shell condi	39.5033083	1	1.32548457
	1984	male	all maturity st	all shell condi	484.019807	1	0.18050545
	1988	male	all maturity st	all shell condi	162.081964	1	3.43678175
	1989	male	all maturity st	all shell condi	1265.33549	1	0.08619122
	1990	male	all maturity st	all shell condi	255.691003	1	5.11245828
	1991	male	all maturity st	all shell condi	153.613185	1	5.94861795
	1992	male	all maturity st	all shell condi	99.9378164	1	7.67746916
	1993	male	all maturity st	all shell condi	148.237989	1	4.82106772
	1994	male	all maturity st	all shell condi	281.591854	1	3.76001652
	1995	male	all maturity st	all shell condi	80.1081302	1	0.48574135
	1996	male	all maturity st	all shell condi	166.259732	1	0.84389908
	2005	male	all maturity st	all shell condi	14.6238548	1	1.31845077
	2006	male	all maturity st	all shell condi	297.393742	1	0.28874972
	2007	male	all maturity st	all shell condi	1450.84566	1	0.15588432
	2008	male	all maturity st	all shell condi	956.858516	1	0.1842436
	2009	male	all maturity st	all shell condi	108.457123	1	0.56590032
	2013	male	all maturity st	all shell condi	633.43544	1	0.2817211
	2014	male	all maturity st	all shell condi	226.856489	1	2.82734258
	2015	male	all maturity st	all shell condi	172.503203	1	6.31722532
all		male	all maturity st	all shell condi	0.20067896	20	0.2617683
all		female	all maturity st	all shell condi	0.48724857	20	1.54317259
	1991	male	all maturity st	all shell condi	897.657916	1	1.56391043
	1991	female	all maturity st	all shell condi	555.332529	1	1.28447702
	1992	male	all maturity st	all shell condi	128.082105	1	16.9473543
	1992	female	all maturity st	all shell condi	427.442579	1	0.5754934
	1993	male	all maturity st	all shell condi	201.95929	1	8.38547925
	1993	female	all maturity st	all shell condi	350.071503	1	0.98743028
	1994	male	all maturity st	all shell condi	204.049882	1	1.79364702
	1994	female	all maturity st	all shell condi	61.8960651	1	1.27235481
	1995	male	all maturity st	all shell condi	690.827993	1	0.38442969
	1995	female	all maturity st	all shell condi	101.241397	1	0.86158913

	1996	male	all maturity st	all shell condi	37.3337291	1	1.14501605
	1996	female	all maturity st	all shell condi	251.607546	1	0.0549962
	2005	male	all maturity st	all shell condi	100.288965	1	13.8820714
	2005	female	all maturity st	all shell condi	40.3021261	1	0.93936889
	2006	male	all maturity st	all shell condi	278.952999	1	3.89424749
	2006	female	all maturity st	all shell condi	426.463217	1	0.77607399
	2007	male	all maturity st	all shell condi	406.388334	1	4.70044841
	2007	female	all maturity st	all shell condi	316.419616	1	0.3786493
	2008	male	all maturity st	all shell condi	1002.64568	1	1.9626765
	2008	female	all maturity st	all shell condi	45.9749581	1	0.31840107
	2009	male	all maturity st	all shell condi	156.596492	1	5.35318425
	2009	female	all maturity st	all shell condi	24.0540357	1	0.18107138
	2013	male	all maturity st	all shell condi	1572.21887	1	0.81509061
	2013	female	all maturity st	all shell condi	65.0053385	1	0.59649438
	2014	male	all maturity st	all shell condi	213.637867	1	10.3396299
	2014	female	all maturity st	all shell condi	183.158582	1	0.19934687
	2015	male	all maturity st	all shell condi	135.915725	1	12.986501
	2015	female	all maturity st	all shell condi	74.2406508	1	1.0912617
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.04612939	20	0.02659901
all		female	all maturity st	all shell condi	0.32073847	20	1.28591459
	1992	male	all maturity st	all shell condi	167.832612	1	3.11206751
	1992	female	all maturity st	all shell condi	18.8593472	1	0.95729701
	1993	male	all maturity st	all shell condi	113.961753	1	3.13811139
	1993	female	all maturity st	all shell condi	30.845308	1	1.1906636
	1994	male	all maturity st	all shell condi	38.1126434	1	3.23854251
	1994	female	all maturity st	all shell condi	41.2822053	1	1.81078577
	1995	male	all maturity st	all shell condi	86.1207695	1	0.97677722
	1995	female	all maturity st	all shell condi	43.5098127	1	0.27084821
	1996	male	all maturity st	all shell condi	271.778	1	1.8076999
	1996	female	all maturity st	all shell condi	47.0432413	1	0.41012866
	1997	male	all maturity st	all shell condi	425.683114	1	1.13315262
	1997	female	all maturity st	all shell condi	114.718208	1	0.18943643
	1998	male	all maturity st	all shell condi	549.686056	1	0.24198522
	1998	female	all maturity st	all shell condi	21.1121691	1	0.31576841
	1999	male	all maturity st	all shell condi	100.21122	1	0.42683284
	1999	female	all maturity st	all shell condi	29.727565	1	0.07052009
	2000	male	all maturity st	all shell condi	201.93476	1	0.31951066
	2000	female	all maturity st	all shell condi	30.0852513	1	0.09891623
	2001	male	all maturity st	all shell condi	451.109626	1	0.3120491

	2001	female	all maturity st	all shell condi	115.53123	1	0.06215597
	2002	male	all maturity st	all shell condi	67.6844128	1	0.7390503
	2002	female	all maturity st	all shell condi	45.0945869	1	0.06453317
	2003	male	all maturity st	all shell condi	125.921568	1	0.37863205
	2003	female	all maturity st	all shell condi	44.1506045	1	0.10059587
	2004	male	all maturity st	all shell condi	25.1330546	1	1.7919965
	2004	female	all maturity st	all shell condi	30.694507	1	0.81663111
	2005	male	all maturity st	all shell condi	123.886869	1	4.45057489
	2005	female	all maturity st	all shell condi	155.0222	1	0.12235091
	2006	male	all maturity st	all shell condi	76.9262559	1	5.88166153
	2006	female	all maturity st	all shell condi	51.5645452	1	1.03327024
	2007	male	all maturity st	all shell condi	387.691512	1	2.14448891
	2007	female	all maturity st	all shell condi	45.0630671	1	0.40567318
	2008	male	all maturity st	all shell condi	96.5256486	1	6.92201903
	2008	female	all maturity st	all shell condi	14.9823324	1	2.18608516
	2009	male	all maturity st	all shell condi	473.461193	1	2.02026581
	2009	female	all maturity st	all shell condi	21.195793	1	0.90941814
	2010	male	all maturity st	all shell condi	374.96997	1	1.28478155
	2010	female	all maturity st	all shell condi	77.1203115	1	0.17368749
	2011	male	all maturity st	all shell condi	219.406987	1	3.21954892
	2011	female	all maturity st	all shell condi	63.5263267	1	0.15957373
	2012	male	all maturity st	all shell condi	213.711812	1	2.59400211
	2012	female	all maturity st	all shell condi	46.8656399	1	0.17432846
	2013	male	all maturity st	all shell condi	247.607379	1	2.63265611
	2013	female	all maturity st	all shell condi	205.509406	1	0.07329223
	2014	male	all maturity st	all shell condi	516.980027	1	2.6028671
	2014	female	all maturity st	all shell condi	68.5032204	1	0.37363682
	2015	male	all maturity st	all shell condi	499.263899	1	1.99801166
	2015	female	all maturity st	all shell condi	106.053372	1	0.09248013
	2016	male	all maturity st	all shell condi	445.029523	1	2.40001975
	2016	female	all maturity st	all shell condi	113.076471	1	0.09107767
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.0383823	20	0.03241043
	1973	male	all maturity st	all shell condi	368.888793	1	-2.1446958
	1973	female	all maturity st	all shell condi	366.495572	1	3.90736367
	1974	male	all maturity st	all shell condi	453.579646	1	-0.9143287
	1974	female	all maturity st	all shell condi	240.370636	1	2.49102186
	1975	male	all maturity st	all shell condi	353.050926	1	-0.3537432
	1975	female	all maturity st	all shell condi	277.363807	1	1.42094494
	1976	male	all maturity st	all shell condi	210.195578	1	-6.7706173
	1976	female	all maturity st	all shell condi	132.433516	1	18.0472892

1977	male	all maturity st	all shell condi	253.896514	1	-1.9352991
1977	female	all maturity st	all shell condi	356.423098	1	12.2834429
1978	male	all maturity st	all shell condi	252.010496	1	-2.8182394
1978	female	all maturity st	all shell condi	208.748159	1	20.2595377
1979	male	all maturity st	all shell condi	629.475791	1	0.677061
1979	female	all maturity st	all shell condi	970.598577	1	6.95182619
1980	male	all maturity st	all shell condi	945.124936	1	8.34301874
1980	female	all maturity st	all shell condi	359.785578	1	-2.6333449
1981	male	all maturity st	all shell condi	1016.59176	1	-1.1300711
1981	female	all maturity st	all shell condi	55.5924457	1	10.5243832
1982	male	all maturity st	all shell condi	496.790809	1	10.9922686
1982	female	all maturity st	all shell condi	62.0331175	1	13.4853548
1983	male	all maturity st	all shell condi	344.313119	1	31.0079922
1983	female	all maturity st	all shell condi	135.687882	1	-10.841324
1984	male	all maturity st	all shell condi	386.263033	1	37.4900308
1984	female	all maturity st	all shell condi	246.998779	1	-17.930869
1985	male	all maturity st	all shell condi	177.689845	1	26.0802302
1985	female	all maturity st	all shell condi	286.418989	1	-6.7572052
1986	male	all maturity st	all shell condi	306.602028	1	11.5056156
1986	female	all maturity st	all shell condi	203.846991	1	-0.7037565
1987	male	all maturity st	all shell condi	285.672459	1	5.06358004
1987	female	all maturity st	all shell condi	618.088905	1	11.7080818
1988	male	all maturity st	all shell condi	435.82359	1	-1.6748944
1988	female	all maturity st	all shell condi	226.244952	1	12.9894965
1989	male	all maturity st	all shell condi	783.890495	1	-17.781617
1989	female	all maturity st	all shell condi	568.464845	1	28.7543402
1990	male	all maturity st	all shell condi	913.870623	1	8.92927274
1990	female	all maturity st	all shell condi	317.406727	1	-0.5284023
1991	male	all maturity st	all shell condi	312.939111	1	-0.3395201
1991	female	all maturity st	all shell condi	193.453061	1	7.59134116
1992	male	all maturity st	all shell condi	189.605004	1	4.60337075
1992	female	all maturity st	all shell condi	67.9269632	1	2.83372511
1993	male	all maturity st	all shell condi	79.7313458	1	3.72919396
1993	female	all maturity st	all shell condi	93.1838438	1	-0.432591
1994	male	all maturity st	all shell condi	215.481432	1	2.70028209
1994	female	all maturity st	all shell condi	464.084037	1	1.19930523
1995	male	all maturity st	all shell condi	60.2346295	1	9.36000331
1995	female	all maturity st	all shell condi	63.3531908	1	4.80814045
1996	male	all maturity st	all shell condi	182.805102	1	10.1029241
1996	female	all maturity st	all shell condi	586.1102	1	-2.7936593
1997	male	all maturity st	all shell condi	49.8723819	1	20.2123636

	1997	female	all maturity st	all shell condi	198.184315	1	4.6886003
	1998	male	all maturity st	all shell condi	124.971424	1	7.13781325
	1998	female	all maturity st	all shell condi	342.769623	1	6.61416644
	1999	male	all maturity st	all shell condi	543.270555	1	3.18772681
	1999	female	all maturity st	all shell condi	1216.50641	1	2.05570433
	2000	male	all maturity st	all shell condi	585.799536	1	4.27687495
	2000	female	all maturity st	all shell condi	953.105615	1	-0.1596799
	2001	male	all maturity st	all shell condi	714.570482	1	8.4708677
	2001	female	all maturity st	all shell condi	1060.53082	1	-3.5341787
	2002	male	all maturity st	all shell condi	390.917408	1	9.82840467
	2002	female	all maturity st	all shell condi	864.382358	1	-0.1194274
	2003	male	all maturity st	all shell condi	197.49769	1	4.73603622
	2003	female	all maturity st	all shell condi	293.64893	1	5.3007614
	2004	male	all maturity st	all shell condi	110.824561	1	-2.7732199
	2004	female	all maturity st	all shell condi	30.7152866	1	40.4293018
	2005	male	all maturity st	all shell condi	1519.14319	1	2.9642202
	2005	female	all maturity st	all shell condi	1899.12485	1	0.78441114
	2006	male	all maturity st	all shell condi	176.750876	1	12.7846644
	2006	female	all maturity st	all shell condi	135.099316	1	4.07774228
	2007	male	all maturity st	all shell condi	168.634042	1	10.1111884
	2007	female	all maturity st	all shell condi	83.1406977	1	10.6653794
	2008	male	all maturity st	all shell condi	177.274861	1	25.5520181
	2008	female	all maturity st	all shell condi	157.175919	1	-8.0512326
	2009	male	all maturity st	all shell condi	311.909516	1	12.7231896
	2009	female	all maturity st	all shell condi	497.923238	1	-6.6374732
	2010	male	all maturity st	all shell condi	642.841012	1	4.47342858
	2010	female	all maturity st	all shell condi	1964.47484	1	-1.7102849
	2011	male	all maturity st	all shell condi	81.4660327	1	9.44536428
	2011	female	all maturity st	all shell condi	65.7927829	1	22.6776677
	2012	male	all maturity st	all shell condi	434.362581	1	-9.3685873
	2012	female	all maturity st	all shell condi	100.835575	1	15.8753535
	2013	male	all maturity st	all shell condi	384.907004	1	-1.8247857
	2013	female	all maturity st	all shell condi	416.909754	1	13.8524408
	2014	male	all maturity st	all shell condi	1050.07002	1	8.88504117
	2014	female	all maturity st	all shell condi	753.655343	1	-5.294975
	2015	male	all maturity st	all shell condi	215.776318	1	14.3650393
	2015	female	all maturity st	all shell condi	194.993095	1	4.41407121
	2016	male	all maturity st	all shell condi	239.936537	1	-6.5155705
	2016	female	all maturity st	all shell condi	52.8392527	1	26.1861513
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0

all		male	all maturity st	all shell condi	0.0273062	20	0.00857473
all		female	all maturity st	all shell condi	0.00799508	20	0.00073509
	1992	male	all maturity st	all shell condi	78.4314575	1	1.67642579
	1992	female	all maturity st	all shell condi	83.1596326	1	0.12788143
	1993	male	all maturity st	all shell condi	110.467754	1	2.87977755
	1993	female	all maturity st	all shell condi	299.428232	1	0.29185626
	1996	male	all maturity st	all shell condi	41.0414718	1	0.15592409
	1996	female	all maturity st	all shell condi	3.47596152	1	0.0319749
	1997	male	all maturity st	all shell condi	14.2057386	1	3.63613273
	1997	female	all maturity st	all shell condi	32.0224369	1	0.05052734
	1998	male	all maturity st	all shell condi	38.9410758	1	0.54846552
	1998	female	all maturity st	all shell condi	21.5579811	1	0.07067918
	1999	male	all maturity st	all shell condi	55.4561185	1	0.24954429
	1999	female	all maturity st	all shell condi	18.5151439	1	0.02549866
	2000	male	all maturity st	all shell condi	155.428229	1	0.5751411
	2000	female	all maturity st	all shell condi	41.5247901	1	0.05894472
	2001	male	all maturity st	all shell condi	119.689086	1	0.25434854
	2001	female	all maturity st	all shell condi	50.4065735	1	0.04038544
	2002	male	all maturity st	all shell condi	90.6210027	1	0.48946896
	2002	female	all maturity st	all shell condi	31.6877972	1	0.05545342
	2003	male	all maturity st	all shell condi	59.6830054	1	0.58789502
	2003	female	all maturity st	all shell condi	50.3564219	1	0.09320162
	2004	male	all maturity st	all shell condi	31.8529983	1	0.79994603
	2004	female	all maturity st	all shell condi	19.0618932	1	0.06241263
	2005	male	all maturity st	all shell condi	49.755905	1	1.35886648
	2005	female	all maturity st	all shell condi	12.8066595	1	0.17039167
	2006	male	all maturity st	all shell condi	24.2867953	1	1.86053592
	2006	female	all maturity st	all shell condi	23.9673283	1	0.26682083
	2007	male	all maturity st	all shell condi	105.318843	1	0.84378684
	2007	female	all maturity st	all shell condi	103.175322	1	0.08783071
	2008	male	all maturity st	all shell condi	55.892637	1	3.12019854
	2008	female	all maturity st	all shell condi	93.4575598	1	0.1272558
	2009	male	all maturity st	all shell condi	18.6873309	1	9.25736402
	2009	female	all maturity st	all shell condi	107.731491	1	0.05142372
	2010	male	all maturity st	all shell condi	54.9100362	1	0.71012148
	2010	female	all maturity st	all shell condi	36.1356363	1	0.04425773
	2011	male	all maturity st	all shell condi	75.5974893	1	0.26579919
	2011	female	all maturity st	all shell condi	5.9884339	1	0.01923695
	2012	male	all maturity st	all shell condi	73.9422558	1	0.57112186
	2012	female	all maturity st	all shell condi	6.94080137	1	0.20940859
	2013	male	all maturity st	all shell condi	81.1295521	1	1.26665911

2013	female	all maturity st	all shell condi	9.74933569	1	0.17843216
2014	male	all maturity st	all shell condi	150.535829	1	1.25522404
2014	female	all maturity st	all shell condi	19.1895867	1	0.07414574
2015	male	all maturity st	all shell condi	243.995198	1	0.5627747
2015	female	all maturity st	all shell condi	86.3544692	1	0.07309868
2016	male	all maturity st	all shell condi	27.6119899	1	5.61302074
2016	female	all maturity st	all shell condi	19.1707364	1	0.52626094
2015	male	immature	new shell	0.54256018	1	82.8347329
2016	male	immature	new shell	0.54256018	1	108.495526
2015	female	immature	new shell	0.29198392	1	67.9809657
2016	female	immature	new shell	0.29198392	1	58.3363388
1994	male	immature	new shell	0.61287517	0	11.5073216
1995	male	immature	new shell	0.61287517	0	31.0769524
1996	male	immature	new shell	0.61287517	0	307.41963
1997	male	immature	new shell	0.61287517	0	492.860263
1998	male	immature	new shell	0.61287517	0	574.654898
1999	male	immature	new shell	0.61287517	0	465.74077
2000	male	immature	new shell	0.61287517	0	667.699237
2001	male	immature	new shell	0.61287517	0	790.56322
2002	male	immature	new shell	0.61287517	0	858.278763
2003	male	immature	new shell	0.61287517	0	321.372349
2004	male	immature	new shell	0.61287517	0	183.145417
2005	male	immature	new shell	0.61287517	0	117.243525
2006	male	immature	new shell	0.61287517	0	14.9206457
2011	male	immature	new shell	0.61287517	0	1.91849397
2012	male	immature	new shell	0.61287517	0	3.04277902
1994	female	immature	new shell	0.43923533	0	14.0722223
1995	female	immature	new shell	0.43923533	0	13.6981711
1996	female	immature	new shell	0.43923533	0	205.894146
1997	female	immature	new shell	0.43923533	0	158.423495
1998	female	immature	new shell	0.43923533	0	218.134319
1999	female	immature	new shell	0.43923533	0	275.280807
2000	female	immature	new shell	0.43923533	0	525.301674
2001	female	immature	new shell	0.43923533	0	519.602104
2002	female	immature	new shell	0.43923533	0	328.119812
2003	female	immature	new shell	0.43923533	0	85.687402
2004	female	immature	new shell	0.43923533	0	91.548438
2005	female	immature	new shell	0.43923533	0	23.7080022
2006	female	immature	new shell	0.43923533	0	7.48182998
2012	female	immature	new shell	0.43923533	0	2.2677936
1990	male		new shell	867.703438	0	317.457213

	1991	male		new shell	867.703438	0	250.57774
	1992	male		new shell	867.703438	0	51.6693593
	1993	male		new shell	867.703438	0	106.965039
	1994	male		new shell	867.703438	0	45.383011
	1995	male		new shell	867.703438	0	27.032729
	1997	male		new shell	867.703438	0	6.28554547
	1998	male		new shell	867.703438	0	110.328697
	1999	male		new shell	867.703438	0	19.311317
	2000	male		new shell	867.703438	0	120.62035
	2001	male		new shell	867.703438	0	81.9265015
	2002	male		new shell	867.703438	0	47.8389498
	2003	male		new shell	867.703438	0	38.8856098
	2004	male		new shell	867.703438	0	52.9277415
	2005	male		new shell	867.703438	0	134.396387
	2008	male		new shell	867.703438	0	151.240961
	2010	male		new shell	867.703438	0	247.353089
	2012	male		new shell	867.703438	0	35.9989339
	2014	male		new shell	867.703438	0	100.892176
	2016	male		new shell	867.703438	0	35.4453178
	2017	male		new shell	867.703438	0	67.9169101
all		male	immature	new shell	0.09975135	1	1984.55515
all		male	mature	new shell	0.09975135	1	1984.55515
all		male	immature	old shell	0.09975135	1	1984.55515
all		male	mature	old shell	0.09975135	1	1984.55515
all		female	immature	new shell	0.09975135	1	1984.55515
all		female	mature	new shell	0.09975135	1	1984.55515
all		female	immature	old shell	0.09975135	1	1984.55515
all		female	mature	old shell	0.09975135	1	1984.55515
all		male	immature	new shell	0.09975135	1	25420.4415
all		male	mature	new shell	0.09975135	1	25420.4415
all		male	immature	old shell	0.09975135	1	25420.4415
all		male	mature	old shell	0.09975135	1	25420.4415
all		female	immature	new shell	0.09975135	1	25420.4415
all		female	mature	new shell	0.09975135	1	25420.4415
all		female	immature	old shell	0.09975135	1	25420.4415
all		female	mature	old shell	0.09975135	1	25420.4415
all		male	immature	all shell condi	3.56521375	0	273.281106
all		male	mature	all shell condi	2.47450441	0	131.6482
all		female	immature	all shell condi	3.17535651	0	216.782113
all		female	mature	all shell condi	2.57940531	0	143.046633
all		male	mature	all shell condi	2.25286492	1	109.121107

all		female	mature	all shell condi	2.28363493	1	112.122252
	1975	male	immature	all shell condi	327.320237	1	17.7815628
	1975	male	mature	all shell condi	95.546171	1	42.7816554
	1975	female	immature	all shell condi	133.826088	1	7.62462603
	1975	female	mature	all shell condi	61.0459154	1	-13.589162
	1976	male	immature	all shell condi	232.577581	1	17.8207517
	1976	male	mature	all shell condi	302.286493	1	5.41637599
	1976	female	immature	all shell condi	206.755266	1	8.30010451
	1976	female	mature	all shell condi	100.227669	1	-4.2443874
	1977	male	immature	all shell condi	336.25885	1	-0.6036177
	1977	male	mature	all shell condi	278.772121	1	-0.0536689
	1977	female	immature	all shell condi	60.3594204	1	29.73397
	1977	female	mature	all shell condi	193.871701	1	0.99311806
	1978	male	immature	all shell condi	227.109288	1	-3.7425454
	1978	male	mature	all shell condi	294.927059	1	12.3871222
	1978	female	immature	all shell condi	87.8098683	1	13.3077401
	1978	female	mature	all shell condi	275.186152	1	2.88453776
	1979	male	immature	all shell condi	296.85045	1	5.1534345
	1979	male	mature	all shell condi	394.720844	1	-0.9822348
	1979	female	immature	all shell condi	295.129618	1	-7.4257537
	1979	female	mature	all shell condi	123.919892	1	20.4197483
	1980	male	immature	all shell condi	136.650813	1	20.6122128
	1980	male	mature	all shell condi	268.205601	1	-7.1820712
	1980	female	immature	all shell condi	987.395077	1	-2.2310892
	1980	female	mature	all shell condi	88.1232636	1	10.1127669
	1981	male	immature	all shell condi	407.92479	1	7.83086151
	1981	male	mature	all shell condi	531.743189	1	-7.2006987
	1981	female	immature	all shell condi	153.305948	1	-6.6197074
	1981	female	mature	all shell condi	40.749207	1	42.0977947
	1982	male	immature	all shell condi	156.097252	1	-10.608709
	1982	male	mature	all shell condi	254.641379	1	-8.1792965
	1982	female	immature	all shell condi	114.422487	1	-7.8221459
	1982	female	mature	all shell condi	8.65022112	1	119.230677
	1983	male	immature	all shell condi	220.874698	1	0.12015584
	1983	male	mature	all shell condi	435.353404	1	1.03917321
	1983	female	immature	all shell condi	225.843742	1	4.62121016
	1983	female	mature	all shell condi	158.72048	1	15.6504525
	1984	male	immature	all shell condi	228.707323	1	-16.122738
	1984	male	mature	all shell condi	160.77611	1	19.680204
	1984	female	immature	all shell condi	153.002822	1	-6.9834682
	1984	female	mature	all shell condi	84.8268417	1	28.2088659

1985	male	immature	all shell condi	129.047776	1	-18.459028
1985	male	mature	all shell condi	59.6346178	1	39.4811342
1985	female	immature	all shell condi	112.405754	1	-18.329636
1985	female	mature	all shell condi	62.3766887	1	38.5607252
1986	male	immature	all shell condi	305.76035	1	4.73311187
1986	male	mature	all shell condi	75.7430529	1	28.4152144
1986	female	immature	all shell condi	183.444903	1	-5.378261
1986	female	mature	all shell condi	164.461254	1	-0.7712853
1987	male	immature	all shell condi	134.091314	1	6.55313442
1987	male	mature	all shell condi	487.678878	1	7.49424829
1987	female	immature	all shell condi	47.9838723	1	52.7309724
1987	female	mature	all shell condi	134.558628	1	-6.2684609
1988	male	immature	all shell condi	397.340676	1	1.47873296
1988	male	mature	all shell condi	440.111645	1	10.5968198
1988	female	immature	all shell condi	262.729258	1	-6.1372546
1988	female	mature	all shell condi	113.38488	1	14.3532725
1989	male	immature	all shell condi	283.411538	1	7.30125417
1989	male	mature	all shell condi	2235.63228	1	2.02961372
1989	female	immature	all shell condi	116.041153	1	15.1160006
1989	female	mature	all shell condi	146.503809	1	-6.5749067
1990	male	immature	all shell condi	1003.3003	1	-0.4465086
1990	male	mature	all shell condi	1049.28628	1	-5.2426638
1990	female	immature	all shell condi	294.698981	1	5.66602542
1990	female	mature	all shell condi	376.079527	1	9.29412155
1991	male	immature	all shell condi	366.264094	1	5.51509957
1991	male	mature	all shell condi	1579.30114	1	-6.5156783
1991	female	immature	all shell condi	154.412213	1	5.6540643
1991	female	mature	all shell condi	861.776054	1	7.687223
1992	male	immature	all shell condi	956.440837	1	8.87449427
1992	male	mature	all shell condi	826.831022	1	3.87308584
1992	female	immature	all shell condi	340.533886	1	1.68003615
1992	female	mature	all shell condi	891.732421	1	-4.7580094
1993	male	immature	all shell condi	520.483705	1	15.5206793
1993	male	mature	all shell condi	703.331777	1	10.5199297
1993	female	immature	all shell condi	617.5766	1	2.28765704
1993	female	mature	all shell condi	188.647675	1	-17.077273
1994	male	immature	all shell condi	395.461082	1	7.64046277
1994	male	mature	all shell condi	735.88878	1	4.77173085
1994	female	immature	all shell condi	89.3110443	1	17.1838159
1994	female	mature	all shell condi	253.40127	1	-13.949992
1995	male	immature	all shell condi	297.022742	1	-4.8563436

1995	male	mature	all shell condi	714.639044	1	3.37923708
1995	female	immature	all shell condi	393.151192	1	-2.8110848
1995	female	mature	all shell condi	230.574582	1	17.8324164
1996	male	immature	all shell condi	464.663356	1	-2.5548027
1996	male	mature	all shell condi	590.335895	1	6.02852807
1996	female	immature	all shell condi	317.480978	1	-1.5003732
1996	female	mature	all shell condi	390.885994	1	9.25503578
1997	male	immature	all shell condi	477.457583	1	2.63129723
1997	male	mature	all shell condi	734.889932	1	-2.723432
1997	female	immature	all shell condi	104.728003	1	19.1962877
1997	female	mature	all shell condi	469.370867	1	-7.4119025
1998	male	immature	all shell condi	393.0082	1	9.26419274
1998	male	mature	all shell condi	1071.18631	1	-0.392683
1998	female	immature	all shell condi	461.264802	1	13.6373905
1998	female	mature	all shell condi	165.575997	1	-10.146895
1999	male	immature	all shell condi	151.751941	1	10.9231603
1999	male	mature	all shell condi	414.18712	1	6.25972351
1999	female	immature	all shell condi	154.557532	1	8.28476946
1999	female	mature	all shell condi	423.340084	1	-3.9984758
2000	male	immature	all shell condi	238.967698	1	1.88028497
2000	male	mature	all shell condi	679.166453	1	9.51618895
2000	female	immature	all shell condi	361.81875	1	0.37787335
2000	female	mature	all shell condi	279.594694	1	-0.650069
2001	male	immature	all shell condi	415.796371	1	6.35445563
2001	male	mature	all shell condi	1098.16383	1	-2.1822834
2001	female	immature	all shell condi	297.55187	1	12.7350324
2001	female	mature	all shell condi	370.933041	1	-4.7850562
2002	male	immature	all shell condi	212.67213	1	3.62096508
2002	male	mature	all shell condi	789.095904	1	1.15558149
2002	female	immature	all shell condi	116.918032	1	16.6340583
2002	female	mature	all shell condi	854.389376	1	-4.0566199
2003	male	immature	all shell condi	342.955961	1	2.03075125
2003	male	mature	all shell condi	653.495532	1	6.11529824
2003	female	immature	all shell condi	270.30732	1	-5.4612982
2003	female	mature	all shell condi	255.922641	1	10.2681002
2004	male	immature	all shell condi	227.721272	1	-1.3362382
2004	male	mature	all shell condi	241.573898	1	20.9117395
2004	female	immature	all shell condi	144.961499	1	11.9946831
2004	female	mature	all shell condi	342.824949	1	-4.2912741
2005	male	immature	all shell condi	473.675442	1	-1.8282492
2005	male	mature	all shell condi	983.54552	1	-1.2359889

2005	female	immature	all shell condi	254.203152	1	18.8859282
2005	female	mature	all shell condi	1336.56718	1	-3.288627
2006	male	immature	all shell condi	346.188614	1	8.67118167
2006	male	mature	all shell condi	372.194309	1	5.8467066
2006	female	immature	all shell condi	202.314195	1	9.91857016
2006	female	mature	all shell condi	537.580331	1	-6.3394375
2007	male	immature	all shell condi	245.448693	1	23.9331643
2007	male	mature	all shell condi	231.767375	1	9.56696745
2007	female	immature	all shell condi	657.344818	1	0.70936168
2007	female	mature	all shell condi	150.823632	1	-11.947546
2008	male	immature	all shell condi	490.415275	1	11.4270316
2008	male	mature	all shell condi	309.70768	1	8.5524621
2008	female	immature	all shell condi	814.255532	1	-0.1910262
2008	female	mature	all shell condi	615.163515	1	-7.6398077
2009	male	immature	all shell condi	99.8501932	1	4.20262783
2009	male	mature	all shell condi	291.439814	1	12.0974934
2009	female	immature	all shell condi	84.4362472	1	2.35367434
2009	female	mature	all shell condi	1192.93221	1	4.1144861
2010	male	immature	all shell condi	224.607651	1	-0.9326999
2010	male	mature	all shell condi	350.050868	1	14.6230863
2010	female	immature	all shell condi	208.076667	1	-1.0901345
2010	female	mature	all shell condi	9242.79833	1	-0.7987082
2011	male	immature	all shell condi	379.984053	1	7.54111324
2011	male	mature	all shell condi	870.700147	1	1.12626641
2011	female	immature	all shell condi	182.528822	1	12.8421668
2011	female	mature	all shell condi	312.243066	1	-5.4560263
2012	male	immature	all shell condi	388.665317	1	14.3077639
2012	male	mature	all shell condi	332.096595	1	4.41934443
2012	female	immature	all shell condi	227.799694	1	1.16242672
2012	female	mature	all shell condi	511.16854	1	-2.6806778
2013	male	immature	all shell condi	949.695528	1	7.74203822
2013	male	mature	all shell condi	287.185365	1	8.60328385
2013	female	immature	all shell condi	453.724385	1	-0.9387614
2013	female	mature	all shell condi	975.88114	1	-2.044466
2014	male	immature	all shell condi	514.408538	1	12.2765796
2014	male	mature	all shell condi	276.692519	1	7.24314085
2014	female	immature	all shell condi	114.990879	1	12.5731196
2014	female	mature	all shell condi	335.013957	1	-9.0892636
2015	male	immature	all shell condi	1024.08948	1	8.43649465
2015	male	mature	all shell condi	553.417193	1	2.4858575
2015	female	immature	all shell condi	508.403558	1	3.20100312

	2015	female	mature	all shell condi	528.10423	1	-2.2387449
	2016	male	immature	all shell condi	450.748363	1	9.24854727
	2016	male	mature	all shell condi	201.49804	1	18.9871961
	2016	female	immature	all shell condi	323.991585	1	2.58520993
	2016	female	mature	all shell condi	292.021947	1	-9.1572971
	2017	male	immature	all shell condi	97.6559828	1	-2.8500916
	2017	male	mature	all shell condi	183.717788	1	21.4768119
	2017	female	immature	all shell condi	68.0884861	1	8.49098003
	2017	female	mature	all shell condi	824.468805	1	0.80449879
all		male	all maturity st	new shell	3.76522686	0	304.804067
all		male	all maturity st	old shell	4.54990168	0	445.084515
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	3.19864421	0	219.973483
all		male	all maturity st	old shell	4.08777174	0	359.262373
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
	1975	male	all maturity st	new shell	59.2914645	0	30.1968028
	1975	male	all maturity st	old shell	35.2726726	0	30.8412027
	1976	male	all maturity st	new shell	60.9034852	0	22.0575265
	1976	male	all maturity st	old shell	25.2557233	0	47.0740232
	1977	male	all maturity st	new shell	78.2400841	0	22.1497582
	1977	male	all maturity st	old shell	92.4034107	0	18.3956772
	1978	male	all maturity st	new shell	69.6120948	0	20.1075203
	1978	male	all maturity st	old shell	45.4247793	0	35.1005589
	1979	male	all maturity st	new shell	169.890049	0	5.27313052
	1979	male	all maturity st	old shell	24.6172201	0	71.0792234
	1980	male	all maturity st	new shell	93.9989936	0	9.18105203
	1980	male	all maturity st	old shell	18.3496178	0	104.886646
	1981	male	all maturity st	new shell	70.2197066	0	16.7625259
	1981	male	all maturity st	old shell	20.913376	0	57.9298707
	1982	male	all maturity st	new shell	38.1132716	0	29.7787912
	1982	male	all maturity st	old shell	178.456922	0	5.84303142
	1983	male	all maturity st	new shell	74.0384347	0	14.0448156
	1983	male	all maturity st	old shell	53.8606025	0	19.7651761
	1984	male	all maturity st	new shell	152.477025	0	4.33645042
	1984	male	all maturity st	old shell	48.0864641	0	21.4523297
	1985	male	all maturity st	new shell	68.7160682	0	18.6365671
	1985	male	all maturity st	old shell	41.0679002	0	26.290956
	1986	male	all maturity st	new shell	78.4696844	0	14.5306239
	1986	male	all maturity st	old shell	61.359992	0	13.4162181

1987	male	all maturity st	new shell	52.8791019	0	15.2240529
1987	male	all maturity st	old shell	179.842955	0	6.68026343
1988	male	all maturity st	new shell	97.980143	0	10.515746
1988	male	all maturity st	old shell	226.640652	0	7.2255953
1989	male	all maturity st	new shell	158.321244	0	7.22844988
1989	male	all maturity st	old shell	140.563997	0	9.2511833
1990	male	all maturity st	new shell	504.24835	0	2.72555796
1990	male	all maturity st	old shell	405.042306	0	3.44618746
1991	male	all maturity st	new shell	229.654772	0	5.02552478
1991	male	all maturity st	old shell	548.161824	0	1.80466394
1992	male	all maturity st	new shell	269.954962	0	4.75751596
1992	male	all maturity st	old shell	162.613335	0	5.84706921
1993	male	all maturity st	new shell	252.725143	0	4.7306026
1993	male	all maturity st	old shell	272.87436	0	3.05128718
1994	male	all maturity st	new shell	207.946499	0	4.81868513
1994	male	all maturity st	old shell	164.878233	0	6.70038027
1995	male	all maturity st	new shell	81.268833	0	10.6207701
1995	male	all maturity st	old shell	131.072862	0	12.0815529
1996	male	all maturity st	new shell	105.2377	0	12.4586135
1996	male	all maturity st	old shell	84.2329523	0	13.3544004
1997	male	all maturity st	new shell	132.956511	0	8.20236531
1997	male	all maturity st	old shell	148.850625	0	10.0907823
1998	male	all maturity st	new shell	253.683567	0	3.8874147
1998	male	all maturity st	old shell	160.137544	0	5.80895347
1999	male	all maturity st	new shell	63.5309397	0	14.4740597
1999	male	all maturity st	old shell	79.7248085	0	11.2645887
2000	male	all maturity st	new shell	128.914426	0	5.37437368
2000	male	all maturity st	old shell	138.113227	0	7.98724772
2001	male	all maturity st	new shell	200.435717	0	5.16937215
2001	male	all maturity st	old shell	285.181216	0	4.58761297
2002	male	all maturity st	new shell	79.0389356	0	10.3581608
2002	male	all maturity st	old shell	159.034676	0	4.84927977
2003	male	all maturity st	new shell	140.165717	0	6.97797203
2003	male	all maturity st	old shell	196.227929	0	4.95956553
2004	male	all maturity st	new shell	108.512548	0	8.33996233
2004	male	all maturity st	old shell	37.5758609	0	80.99376
2005	male	all maturity st	new shell	225.402382	0	5.44366346
2005	male	all maturity st	old shell	140.966384	0	7.85537958
2006	male	all maturity st	new shell	131.768234	0	9.70421502
2006	male	all maturity st	old shell	184.342805	0	7.41104111
2007	male	all maturity st	new shell	246.329391	0	6.31163852

	2007	male	all maturity st	old shell	96.8580405	0	16.9175479
	2008	male	all maturity st	new shell	191.392784	0	6.22194691
	2008	male	all maturity st	old shell	60.9436222	0	19.062924
	2009	male	all maturity st	new shell	31.8551158	0	20.4116312
	2009	male	all maturity st	old shell	63.9993613	0	14.8669503
	2010	male	all maturity st	new shell	51.8264586	0	20.2391007
	2010	male	all maturity st	old shell	94.0629459	0	11.2096306
	2011	male	all maturity st	new shell	147.900189	0	4.86705004
	2011	male	all maturity st	old shell	121.0907	0	7.99521939
	2012	male	all maturity st	new shell	196.46107	0	4.56706076
	2012	male	all maturity st	old shell	151.471095	0	8.72515237
	2013	male	all maturity st	new shell	179.588096	0	7.04625367
	2013	male	all maturity st	old shell	101.648894	0	15.5534834
	2014	male	all maturity st	new shell	221.544751	0	6.30386949
	2014	male	all maturity st	old shell	122.792249	0	9.07765899
	2015	male	all maturity st	new shell	343.245781	0	5.41464074
	2015	male	all maturity st	old shell	165.245286	0	7.41296683
	2016	male	all maturity st	new shell	137.123396	0	10.5954667
	2016	male	all maturity st	old shell	115.295981	0	10.4741296
	2017	male	all maturity st	new shell	28.1305351	0	14.2657534
	2017	male	all maturity st	old shell	118.032386	0	9.27156629
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.17535651	0	216.782113
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.65880798	0	151.989088
all		female	mature	old shell	3.14740842	0	212.982865
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	2.93063911	0	184.65588
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.59388586	0	144.657243
all		female	mature	old shell	2.79073419	0	167.446242
	1975	female	immature	new shell	14.6273304	0	31.1410711
	1975	female	mature	new shell	81.8490903	0	4.06221628
	1975	female	mature	old shell	8.08083109	0	32.2927918
	1976	female	immature	new shell	42.681399	0	8.23984417

1976	female	mature	new shell	54.4930767	0	6.03681165
1976	female	mature	old shell	9.12613665	0	31.6556665
1977	female	immature	new shell	33.6750362	0	8.79708881
1977	female	mature	new shell	40.7631618	0	9.88074997
1977	female	mature	old shell	22.7193796	0	14.1095303
1978	female	immature	new shell	24.458047	0	10.002754
1978	female	mature	new shell	114.455829	0	3.16503853
1978	female	mature	old shell	30.494601	0	9.70829811
1979	female	immature	new shell	49.4808506	0	4.09793694
1979	female	mature	new shell	55.1033047	0	7.75752334
1979	female	mature	old shell	21.8528759	0	13.6383232
1980	female	immature	new shell	118.508382	0	3.46203238
1980	female	mature	new shell	13.2065148	0	15.4355973
1980	female	mature	old shell	18.8518798	0	14.9383221
1981	female	immature	new shell	44.9563097	0	10.3090846
1981	female	mature	new shell	9.9734159	0	31.1742601
1981	female	mature	old shell	69.9667337	0	5.69558075
1982	female	immature	new shell	43.7795056	0	16.3839502
1982	female	mature	new shell	8.93705224	0	25.2632046
1982	female	mature	old shell	29.0565402	0	9.1530924
1983	female	immature	new shell	52.2302419	0	5.80345349
1983	female	mature	new shell	51.6721153	0	8.56690173
1983	female	mature	old shell	108.949854	0	2.57506192
1984	female	immature	new shell	36.9928172	0	5.35071993
1984	female	mature	new shell	32.5559387	0	6.85427458
1984	female	mature	old shell	234.775714	0	2.07439068
1985	female	immature	new shell	150.931524	0	4.04723558
1985	female	mature	new shell	10.6340866	0	42.748731
1985	female	mature	old shell	298.419958	0	2.47898448
1986	female	immature	new shell	74.6141125	0	5.76165657
1986	female	mature	new shell	6.30894233	0	38.8171556
1986	female	mature	old shell	28.2657386	0	11.191847
1987	female	immature	new shell	17.9151709	0	34.3011268
1987	female	mature	new shell	34.7746011	0	11.2490683
1987	female	mature	old shell	20.7221615	0	18.9177842
1988	female	immature	new shell	114.289613	0	5.69363553
1988	female	mature	new shell	15.4198715	0	22.679469
1988	female	mature	old shell	32.531808	0	10.8791595
1989	female	immature	new shell	43.6902153	0	5.94659171
1989	female	mature	new shell	25.4427102	0	12.0701165
1989	female	mature	old shell	42.42144	0	10.3081983

1990	female	immature	new shell	61.5714087	0	5.23285453
1990	female	mature	new shell	219.080017	0	1.68428622
1990	female	mature	old shell	37.1533693	0	10.0933458
1991	female	immature	new shell	21.2478565	0	13.9655761
1991	female	mature	new shell	105.655419	0	2.5583496
1991	female	mature	old shell	134.891871	0	3.18175784
1992	female	immature	new shell	31.0971091	0	13.4402519
1992	female	mature	new shell	74.8944706	0	5.41626955
1992	female	mature	old shell	125.42214	0	2.821914
1993	female	immature	new shell	57.3572163	0	8.07247304
1993	female	mature	new shell	31.1801823	0	8.32392249
1993	female	mature	old shell	175.867651	0	2.03293106
1994	female	immature	new shell	27.2066034	0	11.6423773
1994	female	mature	new shell	38.9756714	0	9.9311378
1994	female	mature	old shell	208.820448	0	1.9938737
1995	female	immature	new shell	76.2010949	0	6.50292861
1995	female	mature	new shell	27.5215527	0	14.0367483
1995	female	mature	old shell	429.661939	0	0.88408507
1996	female	immature	new shell	67.5149683	0	7.45102967
1996	female	mature	new shell	25.4088205	0	11.3279727
1996	female	mature	old shell	190.05356	0	1.7764083
1997	female	immature	new shell	58.1538732	0	3.86863333
1997	female	mature	new shell	79.2807024	0	3.71634459
1997	female	mature	old shell	167.194165	0	2.5196697
1998	female	immature	new shell	378.612473	0	1.24848607
1998	female	mature	new shell	45.6774875	0	7.3562965
1998	female	mature	old shell	178.863444	0	2.90285739
1999	female	immature	new shell	53.5003677	0	6.40599692
1999	female	mature	new shell	13.9385199	0	16.8663461
1999	female	mature	old shell	118.711027	0	2.51011424
2000	female	immature	new shell	103.082011	0	2.3278512
2000	female	mature	new shell	26.9223861	0	9.78551748
2000	female	mature	old shell	26.5146538	0	12.4627956
2001	female	immature	new shell	173.965637	0	1.9877321
2001	female	mature	new shell	130.38262	0	4.92796831
2001	female	mature	old shell	41.7547079	0	6.10438288
2002	female	immature	new shell	56.1884009	0	5.04099594
2002	female	mature	new shell	45.0730235	0	7.74001022
2002	female	mature	old shell	67.6138794	0	3.38909022
2003	female	immature	new shell	86.6979834	0	3.78857238
2003	female	mature	new shell	166.191846	0	2.18356334

2003	female	mature	old shell	54.2782111	0	8.4786282
2004	female	immature	new shell	56.4716897	0	6.81488679
2004	female	mature	new shell	156.163573	0	1.42309334
2004	female	mature	old shell	43.6865463	0	9.88267864
2005	female	immature	new shell	357.941986	0	1.91528829
2005	female	mature	new shell	127.922578	0	3.59088886
2005	female	mature	old shell	341.283879	0	2.53948328
2006	female	immature	new shell	51.4989573	0	7.28357341
2006	female	mature	new shell	170.911428	0	2.38746413
2006	female	mature	old shell	171.131954	0	2.94626132
2007	female	immature	new shell	107.929657	0	4.08369285
2007	female	mature	new shell	45.7219654	0	7.73121301
2007	female	mature	old shell	652.972993	0	0.70672781
2008	female	immature	new shell	116.259624	0	3.27319053
2008	female	mature	new shell	106.126655	0	4.62239659
2008	female	mature	old shell	476.017885	0	0.89230577
2009	female	immature	new shell	23.5537746	0	10.1817389
2009	female	mature	new shell	30.1301103	0	6.90778018
2009	female	mature	old shell	615.847065	0	0.67102596
2010	female	immature	new shell	78.2626875	0	5.10338467
2010	female	mature	new shell	204.896432	0	1.95345293
2010	female	mature	old shell	747.679062	0	0.65743208
2011	female	immature	new shell	58.1614235	0	6.89675831
2011	female	mature	new shell	24.6137218	0	9.00935081
2011	female	mature	old shell	176.351423	0	2.43712031
2012	female	immature	new shell	58.5614428	0	6.76382203
2012	female	mature	new shell	30.1409393	0	7.50872772
2012	female	mature	old shell	207.055974	0	1.54719318
2013	female	immature	new shell	91.0426283	0	5.21907953
2013	female	mature	new shell	513.409097	0	1.01084061
2013	female	mature	old shell	49.9975909	0	5.86280589
2014	female	immature	new shell	20.258118	0	19.6605287
2014	female	mature	new shell	61.3155377	0	3.56737701
2014	female	mature	old shell	61.5741212	0	5.26551937
2015	female	immature	new shell	66.496907	0	6.90821421
2015	female	mature	new shell	17.20074	0	13.5799795
2015	female	mature	old shell	181.234615	0	2.01038124
2016	female	immature	new shell	38.6398369	0	11.0939992
2016	female	mature	new shell	62.9632344	0	8.17550278
2016	female	mature	old shell	68.7119617	0	3.90194647
2017	female	immature	new shell	15.5523313	0	12.6440655

	2017	female	mature	new shell	32.0964885	0	16.3280765
	2017	female	mature	old shell	110.984447	0	1.98702729
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.22842852	20	0.99141218
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	24.6733239	1	18.1365692
	1981	male	all maturity st	all shell condi	1009.68749	1	0.43136604
	1982	male	all maturity st	all shell condi	691.458267	1	0.6765524
	1983	male	all maturity st	all shell condi	39.2989376	1	1.33045474
	1984	male	all maturity st	all shell condi	484.340655	1	0.18032244
	1988	male	all maturity st	all shell condi	162.737946	1	3.43018812
	1989	male	all maturity st	all shell condi	1254.30942	1	0.08574046
	1990	male	all maturity st	all shell condi	255.153146	1	5.12225867
	1991	male	all maturity st	all shell condi	152.22359	1	5.99273374
	1992	male	all maturity st	all shell condi	100.029247	1	7.6615178
	1993	male	all maturity st	all shell condi	147.022192	1	4.85971637
	1994	male	all maturity st	all shell condi	276.931604	1	3.79026625
	1995	male	all maturity st	all shell condi	79.4293968	1	0.48883132
	1996	male	all maturity st	all shell condi	165.917476	1	0.84671452
	2005	male	all maturity st	all shell condi	14.6159502	1	1.31888959
	2006	male	all maturity st	all shell condi	299.450556	1	0.28749435
	2007	male	all maturity st	all shell condi	1456.37094	1	0.15516428
	2008	male	all maturity st	all shell condi	961.382698	1	0.18412465
	2009	male	all maturity st	all shell condi	108.739038	1	0.56447411
	2013	male	all maturity st	all shell condi	634.536595	1	0.28117774
	2014	male	all maturity st	all shell condi	225.798446	1	2.8394893
	2015	male	all maturity st	all shell condi	171.70894	1	6.34502934
all		male	all maturity st	all shell condi	0.20043286	20	0.26112667
all		female	all maturity st	all shell condi	0.48706496	20	1.54200978
	1991	male	all maturity st	all shell condi	903.084135	1	1.55642733
	1991	female	all maturity st	all shell condi	555.490696	1	1.28420696
	1992	male	all maturity st	all shell condi	128.489104	1	16.9144904
	1992	female	all maturity st	all shell condi	428.71057	1	0.57431272
	1993	male	all maturity st	all shell condi	203.146763	1	8.3584765
	1993	female	all maturity st	all shell condi	350.857796	1	0.98541555
	1994	male	all maturity st	all shell condi	207.529167	1	1.7697281
	1994	female	all maturity st	all shell condi	61.9985509	1	1.27097984
	1995	male	all maturity st	all shell condi	699.716922	1	0.38287433
	1995	female	all maturity st	all shell condi	101.643552	1	0.85897195
	1996	male	all maturity st	all shell condi	37.4912857	1	1.14259776

	1996	female	all maturity st	all shell condi	250.597433	1	0.0550671
	2005	male	all maturity st	all shell condi	100.20492	1	13.8922506
	2005	female	all maturity st	all shell condi	40.2772843	1	0.94019218
	2006	male	all maturity st	all shell condi	279.222412	1	3.89574336
	2006	female	all maturity st	all shell condi	427.324025	1	0.77562676
	2007	male	all maturity st	all shell condi	406.390475	1	4.70116308
	2007	female	all maturity st	all shell condi	316.86814	1	0.37775602
	2008	male	all maturity st	all shell condi	1006.89164	1	1.95999405
	2008	female	all maturity st	all shell condi	45.9783879	1	0.31833992
	2009	male	all maturity st	all shell condi	156.995599	1	5.33969454
	2009	female	all maturity st	all shell condi	24.0855411	1	0.18085833
	2013	male	all maturity st	all shell condi	1567.8492	1	0.81650435
	2013	female	all maturity st	all shell condi	64.9774346	1	0.59625145
	2014	male	all maturity st	all shell condi	212.992225	1	10.3628634
	2014	female	all maturity st	all shell condi	183.44167	1	0.19923956
	2015	male	all maturity st	all shell condi	135.587754	1	13.0166586
	2015	female	all maturity st	all shell condi	74.2386025	1	1.09198484
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.04629739	20	0.0267931
all		female	all maturity st	all shell condi	0.32072679	20	1.28582089
	1992	male	all maturity st	all shell condi	167.083898	1	3.12461944
	1992	female	all maturity st	all shell condi	18.839464	1	0.95879627
	1993	male	all maturity st	all shell condi	113.713744	1	3.14576169
	1993	female	all maturity st	all shell condi	30.7913172	1	1.19263979
	1994	male	all maturity st	all shell condi	38.0755827	1	3.23979163
	1994	female	all maturity st	all shell condi	41.3840817	1	1.80555766
	1995	male	all maturity st	all shell condi	86.3058843	1	0.97565691
	1995	female	all maturity st	all shell condi	43.4164738	1	0.27106463
	1996	male	all maturity st	all shell condi	270.975112	1	1.81572676
	1996	female	all maturity st	all shell condi	46.8098095	1	0.41219378
	1997	male	all maturity st	all shell condi	424.328065	1	1.13947274
	1997	female	all maturity st	all shell condi	114.782494	1	0.1890593
	1998	male	all maturity st	all shell condi	551.671869	1	0.24162478
	1998	female	all maturity st	all shell condi	21.1040875	1	0.3159293
	1999	male	all maturity st	all shell condi	100.112526	1	0.42693994
	1999	female	all maturity st	all shell condi	29.683379	1	0.07063375
	2000	male	all maturity st	all shell condi	201.937028	1	0.3191289
	2000	female	all maturity st	all shell condi	30.0633776	1	0.0989382
	2001	male	all maturity st	all shell condi	457.057771	1	0.3092167
	2001	female	all maturity st	all shell condi	115.980944	1	0.06199841

	2002	male	all maturity st	all shell condi	67.7433872	1	0.7388546
	2002	female	all maturity st	all shell condi	45.0528782	1	0.06456478
	2003	male	all maturity st	all shell condi	125.563384	1	0.37946875
	2003	female	all maturity st	all shell condi	44.1709539	1	0.10063729
	2004	male	all maturity st	all shell condi	25.1600971	1	1.79098525
	2004	female	all maturity st	all shell condi	30.6974767	1	0.81634125
	2005	male	all maturity st	all shell condi	123.878211	1	4.45059937
	2005	female	all maturity st	all shell condi	155.527164	1	0.12217387
	2006	male	all maturity st	all shell condi	77.0417264	1	5.87366899
	2006	female	all maturity st	all shell condi	51.3518005	1	1.03552644
	2007	male	all maturity st	all shell condi	387.579751	1	2.14410352
	2007	female	all maturity st	all shell condi	45.0539978	1	0.40520912
	2008	male	all maturity st	all shell condi	96.3284476	1	6.93620137
	2008	female	all maturity st	all shell condi	14.9656227	1	2.18872415
	2009	male	all maturity st	all shell condi	472.634311	1	2.02095129
	2009	female	all maturity st	all shell condi	21.2161522	1	0.90859769
	2010	male	all maturity st	all shell condi	374.915452	1	1.2846042
	2010	female	all maturity st	all shell condi	77.3128831	1	0.17342357
	2011	male	all maturity st	all shell condi	218.870985	1	3.22527401
	2011	female	all maturity st	all shell condi	63.5073952	1	0.15952037
	2012	male	all maturity st	all shell condi	212.727962	1	2.60052195
	2012	female	all maturity st	all shell condi	47.0265156	1	0.17363161
	2013	male	all maturity st	all shell condi	248.064385	1	2.62911841
	2013	female	all maturity st	all shell condi	204.80172	1	0.07342706
	2014	male	all maturity st	all shell condi	516.109097	1	2.60841541
	2014	female	all maturity st	all shell condi	68.3927741	1	0.37430823
	2015	male	all maturity st	all shell condi	499.541765	1	1.99892105
	2015	female	all maturity st	all shell condi	106.024073	1	0.09250381
	2016	male	all maturity st	all shell condi	445.438753	1	2.40204357
	2016	female	all maturity st	all shell condi	112.687092	1	0.09126248
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.03864081	20	0.03284847
	1973	male	all maturity st	all shell condi	374.933957	1	-2.1311326
	1973	female	all maturity st	all shell condi	366.513865	1	3.8815536
	1974	male	all maturity st	all shell condi	460.654608	1	-0.933546
	1974	female	all maturity st	all shell condi	240.217768	1	2.48677122
	1975	male	all maturity st	all shell condi	359.38137	1	-0.3546826
	1975	female	all maturity st	all shell condi	275.843557	1	1.41405871
	1976	male	all maturity st	all shell condi	214.427873	1	-6.8363137
	1976	female	all maturity st	all shell condi	132.472346	1	18.0025672
	1977	male	all maturity st	all shell condi	258.153696	1	-1.9775326

1977	female	all maturity st	all shell condi	360.233155	1	12.1635282
1978	male	all maturity st	all shell condi	254.430874	1	-2.8995427
1978	female	all maturity st	all shell condi	210.372566	1	20.1264329
1979	male	all maturity st	all shell condi	623.292219	1	0.7266652
1979	female	all maturity st	all shell condi	969.068315	1	6.8478677
1980	male	all maturity st	all shell condi	947.643307	1	8.2251554
1980	female	all maturity st	all shell condi	374.108489	1	-2.7959615
1981	male	all maturity st	all shell condi	1063.19756	1	-1.1946179
1981	female	all maturity st	all shell condi	56.2658502	1	10.3968958
1982	male	all maturity st	all shell condi	517.856028	1	10.6227807
1982	female	all maturity st	all shell condi	63.0639004	1	12.9840104
1983	male	all maturity st	all shell condi	346.802764	1	30.9859473
1983	female	all maturity st	all shell condi	133.945046	1	-10.778446
1984	male	all maturity st	all shell condi	383.849001	1	37.7277834
1984	female	all maturity st	all shell condi	253.153083	1	-18.252481
1985	male	all maturity st	all shell condi	179.072334	1	26.2194449
1985	female	all maturity st	all shell condi	285.458488	1	-6.8046387
1986	male	all maturity st	all shell condi	311.997815	1	11.4385194
1986	female	all maturity st	all shell condi	206.928558	1	-0.8114546
1987	male	all maturity st	all shell condi	286.957093	1	4.83631967
1987	female	all maturity st	all shell condi	618.449008	1	11.831093
1988	male	all maturity st	all shell condi	435.688449	1	-1.732252
1988	female	all maturity st	all shell condi	226.522518	1	13.0226244
1989	male	all maturity st	all shell condi	787.839171	1	-17.94025
1989	female	all maturity st	all shell condi	565.047947	1	28.922733
1990	male	all maturity st	all shell condi	911.213458	1	8.85394393
1990	female	all maturity st	all shell condi	315.950651	1	-0.3911891
1991	male	all maturity st	all shell condi	311.178265	1	-0.3542365
1991	female	all maturity st	all shell condi	191.702134	1	7.65581294
1992	male	all maturity st	all shell condi	188.75644	1	4.60421886
1992	female	all maturity st	all shell condi	67.8118077	1	2.85853242
1993	male	all maturity st	all shell condi	79.7212695	1	3.72730858
1993	female	all maturity st	all shell condi	93.3985136	1	-0.431511
1994	male	all maturity st	all shell condi	215.00236	1	2.68992488
1994	female	all maturity st	all shell condi	463.036165	1	1.20771724
1995	male	all maturity st	all shell condi	59.9263129	1	9.38903487
1995	female	all maturity st	all shell condi	62.9646338	1	4.86306271
1996	male	all maturity st	all shell condi	182.260195	1	10.0821168
1996	female	all maturity st	all shell condi	593.085664	1	-2.7859819
1997	male	all maturity st	all shell condi	49.8796624	1	20.1945356
1997	female	all maturity st	all shell condi	198.428232	1	4.67646164

	1998	male	all maturity st	all shell condi	125.17399	1	7.11376435
	1998	female	all maturity st	all shell condi	344.04861	1	6.5941499
	1999	male	all maturity st	all shell condi	546.279698	1	3.1746469
	1999	female	all maturity st	all shell condi	1222.86415	1	2.04381356
	2000	male	all maturity st	all shell condi	584.538363	1	4.28291208
	2000	female	all maturity st	all shell condi	948.782637	1	-0.164138
	2001	male	all maturity st	all shell condi	715.601271	1	8.47280146
	2001	female	all maturity st	all shell condi	1059.8738	1	-3.5430592
	2002	male	all maturity st	all shell condi	391.041545	1	9.83051389
	2002	female	all maturity st	all shell condi	866.623211	1	-0.1322929
	2003	male	all maturity st	all shell condi	197.634819	1	4.73935297
	2003	female	all maturity st	all shell condi	294.43913	1	5.28663506
	2004	male	all maturity st	all shell condi	110.873058	1	-2.7737984
	2004	female	all maturity st	all shell condi	30.7053498	1	40.431676
	2005	male	all maturity st	all shell condi	1516.32647	1	2.98309791
	2005	female	all maturity st	all shell condi	1907.4684	1	0.77260564
	2006	male	all maturity st	all shell condi	175.84803	1	12.8292542
	2006	female	all maturity st	all shell condi	134.79828	1	4.08118937
	2007	male	all maturity st	all shell condi	168.843941	1	10.0998782
	2007	female	all maturity st	all shell condi	83.0609514	1	10.6752948
	2008	male	all maturity st	all shell condi	177.872791	1	25.5122057
	2008	female	all maturity st	all shell condi	157.469509	1	-8.0516712
	2009	male	all maturity st	all shell condi	311.730443	1	12.7112198
	2009	female	all maturity st	all shell condi	498.744196	1	-6.6250085
	2010	male	all maturity st	all shell condi	642.689039	1	4.47203543
	2010	female	all maturity st	all shell condi	1981.54871	1	-1.7113668
	2011	male	all maturity st	all shell condi	81.7338034	1	9.38421021
	2011	female	all maturity st	all shell condi	66.0338639	1	22.6205646
	2012	male	all maturity st	all shell condi	433.99392	1	-9.3671793
	2012	female	all maturity st	all shell condi	101.097133	1	15.8626957
	2013	male	all maturity st	all shell condi	386.2496	1	-1.8380429
	2013	female	all maturity st	all shell condi	418.316685	1	13.84232
	2014	male	all maturity st	all shell condi	1054.80757	1	8.8710441
	2014	female	all maturity st	all shell condi	754.282216	1	-5.2903815
	2015	male	all maturity st	all shell condi	215.884918	1	14.3575051
	2015	female	all maturity st	all shell condi	195.10323	1	4.42035207
	2016	male	all maturity st	all shell condi	239.660671	1	-6.5193547
	2016	female	all maturity st	all shell condi	52.8304379	1	26.1911349
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.02741242	20	0.00864157

all		female	all maturity st	all shell condi	0.00799536	20	0.00073515
	1992	male	all maturity st	all shell condi	78.2218043	1	1.68027003
	1992	female	all maturity st	all shell condi	83.1043412	1	0.12792356
	1993	male	all maturity st	all shell condi	110.080885	1	2.89081482
	1993	female	all maturity st	all shell condi	299.001959	1	0.29192267
	1996	male	all maturity st	all shell condi	40.5839132	1	0.1572103
	1996	female	all maturity st	all shell condi	3.47623269	1	0.03198038
	1997	male	all maturity st	all shell condi	14.1390844	1	3.655328
	1997	female	all maturity st	all shell condi	32.0512786	1	0.05049394
	1998	male	all maturity st	all shell condi	38.7662222	1	0.55071764
	1998	female	all maturity st	all shell condi	21.5634223	1	0.07068202
	1999	male	all maturity st	all shell condi	55.4664743	1	0.24924367
	1999	female	all maturity st	all shell condi	18.5324748	1	0.02548775
	2000	male	all maturity st	all shell condi	155.411814	1	0.57414246
	2000	female	all maturity st	all shell condi	41.5863246	1	0.05891565
	2001	male	all maturity st	all shell condi	119.672871	1	0.25388887
	2001	female	all maturity st	all shell condi	50.4499316	1	0.04035887
	2002	male	all maturity st	all shell condi	90.4616123	1	0.48968228
	2002	female	all maturity st	all shell condi	31.6753757	1	0.05545841
	2003	male	all maturity st	all shell condi	59.576604	1	0.58897401
	2003	female	all maturity st	all shell condi	50.3386973	1	0.09320515
	2004	male	all maturity st	all shell condi	31.8147141	1	0.80092121
	2004	female	all maturity st	all shell condi	19.0684393	1	0.06237995
	2005	male	all maturity st	all shell condi	49.7688	1	1.3591521
	2005	female	all maturity st	all shell condi	12.7924695	1	0.17057563
	2006	male	all maturity st	all shell condi	24.2866744	1	1.86074917
	2006	female	all maturity st	all shell condi	23.9749917	1	0.26683619
	2007	male	all maturity st	all shell condi	105.648199	1	0.84116343
	2007	female	all maturity st	all shell condi	103.35072	1	0.08779175
	2008	male	all maturity st	all shell condi	55.8837838	1	3.11936534
	2008	female	all maturity st	all shell condi	93.4925155	1	0.12722038
	2009	male	all maturity st	all shell condi	18.6946082	1	9.25455677
	2009	female	all maturity st	all shell condi	107.735968	1	0.05143429
	2010	male	all maturity st	all shell condi	54.9890201	1	0.70900529
	2010	female	all maturity st	all shell condi	36.1301009	1	0.04430483
	2011	male	all maturity st	all shell condi	75.7100334	1	0.26539737
	2011	female	all maturity st	all shell condi	5.98461129	1	0.01924899
	2012	male	all maturity st	all shell condi	74.138638	1	0.56970638
	2012	female	all maturity st	all shell condi	6.92568971	1	0.20994208
	2013	male	all maturity st	all shell condi	81.0605032	1	1.26632425
	2013	female	all maturity st	all shell condi	9.74148672	1	0.17846078

2014	male	all maturity st	all shell condi	150.383379	1	1.25429403
2014	female	all maturity st	all shell condi	19.2011451	1	0.074083
2015	male	all maturity st	all shell condi	243.741749	1	0.56269273
2015	female	all maturity st	all shell condi	86.2849445	1	0.07316858
2016	male	all maturity st	all shell condi	27.6305508	1	5.607528
2016	female	all maturity st	all shell condi	19.182775	1	0.52585707
2015	male	immature	new shell	0.54420087	1	83.14707
2016	male	immature	new shell	0.54420087	1	108.702302
2015	female	immature	new shell	0.29426605	1	68.1739913
2016	female	immature	new shell	0.29426605	1	58.5038764
1994	male	immature	new shell	0.61248722	0	11.5549122
1995	male	immature	new shell	0.61248722	0	31.0617801
1996	male	immature	new shell	0.61248722	0	308.192248
1997	male	immature	new shell	0.61248722	0	493.351603
1998	male	immature	new shell	0.61248722	0	573.95401
1999	male	immature	new shell	0.61248722	0	465.347505
2000	male	immature	new shell	0.61248722	0	668.334214
2001	male	immature	new shell	0.61248722	0	792.060073
2002	male	immature	new shell	0.61248722	0	858.769525
2003	male	immature	new shell	0.61248722	0	320.933633
2004	male	immature	new shell	0.61248722	0	183.149947
2005	male	immature	new shell	0.61248722	0	117.105918
2006	male	immature	new shell	0.61248722	0	14.8988709
2011	male	immature	new shell	0.61248722	0	1.91846576
2012	male	immature	new shell	0.61248722	0	3.05207176
1994	female	immature	new shell	0.44383197	0	14.1818472
1995	female	immature	new shell	0.44383197	0	13.8300099
1996	female	immature	new shell	0.44383197	0	206.399389
1997	female	immature	new shell	0.44383197	0	159.098027
1998	female	immature	new shell	0.44383197	0	218.947956
1999	female	immature	new shell	0.44383197	0	277.855079
2000	female	immature	new shell	0.44383197	0	529.223307
2001	female	immature	new shell	0.44383197	0	521.379832
2002	female	immature	new shell	0.44383197	0	328.344565
2003	female	immature	new shell	0.44383197	0	86.0542022
2004	female	immature	new shell	0.44383197	0	92.1543644
2005	female	immature	new shell	0.44383197	0	23.7391645
2006	female	immature	new shell	0.44383197	0	7.5040351
2012	female	immature	new shell	0.44383197	0	2.27132067
1990	male		new shell	867.656656	0	317.894699
1991	male		new shell	867.656656	0	251.149399

	1992	male		new shell	867.656656	0	51.6498292
	1993	male		new shell	867.656656	0	107.042966
	1994	male		new shell	867.656656	0	45.341898
	1995	male		new shell	867.656656	0	26.9853948
	1997	male		new shell	867.656656	0	6.28547751
	1998	male		new shell	867.656656	0	110.318145
	1999	male		new shell	867.656656	0	19.3171941
	2000	male		new shell	867.656656	0	120.737122
	2001	male		new shell	867.656656	0	81.9995992
	2002	male		new shell	867.656656	0	47.7771889
	2003	male		new shell	867.656656	0	38.8114863
	2004	male		new shell	867.656656	0	52.8585589
	2005	male		new shell	867.656656	0	134.213849
	2008	male		new shell	867.656656	0	151.10586
	2010	male		new shell	867.656656	0	247.449373
	2012	male		new shell	867.656656	0	36.0363374
	2014	male		new shell	867.656656	0	100.918316
	2016	male		new shell	867.656656	0	35.3217328
	2017	male		new shell	867.656656	0	67.9223779
all		male	immature	new shell	0.09975135	1	1984.41087
all		male	mature	new shell	0.09975135	1	1984.41087
all		male	immature	old shell	0.09975135	1	1984.41087
all		male	mature	old shell	0.09975135	1	1984.41087
all		female	immature	new shell	0.09975135	1	1984.41087
all		female	mature	new shell	0.09975135	1	1984.41087
all		female	immature	old shell	0.09975135	1	1984.41087
all		female	mature	old shell	0.09975135	1	1984.41087
all		male	immature	new shell	0.09975135	1	25596.4935
all		male	mature	new shell	0.09975135	1	25596.4935
all		male	immature	old shell	0.09975135	1	25596.4935
all		male	mature	old shell	0.09975135	1	25596.4935
all		female	immature	new shell	0.09975135	1	25596.4935
all		female	mature	new shell	0.09975135	1	25596.4935
all		female	immature	old shell	0.09975135	1	25596.4935
all		female	mature	old shell	0.09975135	1	25596.4935
all		male	immature	all shell condi	3.60273896	0	279.064153
all		male	mature	all shell condi	2.33893261	0	117.618024
all		female	immature	all shell condi	3.20291366	0	220.561102
all		female	mature	all shell condi	2.57015297	0	142.022255
all		male	mature	all shell condi	2.21232531	1	105.22924
all		female	mature	all shell condi	2.29624963	1	113.364391

1975	male	immature	all shell condi	155.977777	1	26.0797774
1975	male	mature	all shell condi	137.647899	1	29.8106969
1975	female	immature	all shell condi	147.69597	1	8.16080275
1975	female	mature	all shell condi	68.8908983	1	-15.105418
1976	male	immature	all shell condi	223.0125	1	16.8569347
1976	male	mature	all shell condi	356.38771	1	1.09704604
1976	female	immature	all shell condi	187.96159	1	9.54278694
1976	female	mature	all shell condi	129.674653	1	-4.6993733
1977	male	immature	all shell condi	121.037665	1	8.15009461
1977	male	mature	all shell condi	274.284895	1	-3.9149825
1977	female	immature	all shell condi	50.6399362	1	32.9377628
1977	female	mature	all shell condi	265.385735	1	-1.0215282
1978	male	immature	all shell condi	472.86394	1	0.71156185
1978	male	mature	all shell condi	385.959289	1	7.34845136
1978	female	immature	all shell condi	97.7539377	1	10.4362343
1978	female	mature	all shell condi	385.425651	1	-0.5938125
1979	male	immature	all shell condi	131.572591	1	18.2325585
1979	male	mature	all shell condi	388.383906	1	-2.8355607
1979	female	immature	all shell condi	235.575632	1	-9.5277555
1979	female	mature	all shell condi	140.510598	1	17.0247483
1980	male	immature	all shell condi	66.4464544	1	36.1316957
1980	male	mature	all shell condi	188.471329	1	-7.954637
1980	female	immature	all shell condi	987.67074	1	-2.9339324
1980	female	mature	all shell condi	80.0271851	1	9.13512599
1981	male	immature	all shell condi	259.778722	1	12.248001
1981	male	mature	all shell condi	303.834048	1	-5.6708083
1981	female	immature	all shell condi	153.58033	1	-6.8101825
1981	female	mature	all shell condi	36.9618295	1	43.6530626
1982	male	immature	all shell condi	147.720698	1	-12.730397
1982	male	mature	all shell condi	268.435131	1	-6.7600923
1982	female	immature	all shell condi	108.529724	1	-7.9895979
1982	female	mature	all shell condi	7.92325824	1	125.070142
1983	male	immature	all shell condi	224.465597	1	-1.4691979
1983	male	mature	all shell condi	390.686636	1	3.03399861
1983	female	immature	all shell condi	227.194347	1	3.88125038
1983	female	mature	all shell condi	140.835028	1	17.614518
1984	male	immature	all shell condi	233.863564	1	-17.001058
1984	male	mature	all shell condi	128.063331	1	22.8950868
1984	female	immature	all shell condi	156.065891	1	-8.1448892
1984	female	mature	all shell condi	79.0392333	1	29.3884577
1985	male	immature	all shell condi	136.551772	1	-19.130588

1985	male	mature	all shell condi	51.2221771	1	42.2547515
1985	female	immature	all shell condi	112.860914	1	-18.703278
1985	female	mature	all shell condi	64.3982318	1	38.1397315
1986	male	immature	all shell condi	320.255846	1	4.89949125
1986	male	mature	all shell condi	71.8435737	1	29.211534
1986	female	immature	all shell condi	190.637216	1	-5.7729731
1986	female	mature	all shell condi	157.729448	1	-0.8575463
1987	male	immature	all shell condi	154.291149	1	5.54343656
1987	male	mature	all shell condi	587.231074	1	6.70613368
1987	female	immature	all shell condi	49.6690153	1	51.9764834
1987	female	mature	all shell condi	121.315327	1	-6.6129791
1988	male	immature	all shell condi	477.300199	1	1.34941201
1988	male	mature	all shell condi	547.142196	1	9.3155295
1988	female	immature	all shell condi	291.081588	1	-5.4252731
1988	female	mature	all shell condi	114.163801	1	13.4462433
1989	male	immature	all shell condi	265.537879	1	8.05204621
1989	male	mature	all shell condi	2398.84201	1	1.15129934
1989	female	immature	all shell condi	110.427359	1	16.4657125
1989	female	mature	all shell condi	136.306973	1	-6.9548715
1990	male	immature	all shell condi	941.991725	1	-0.2221702
1990	male	mature	all shell condi	1107.32527	1	-6.1022541
1990	female	immature	all shell condi	279.941137	1	6.80346034
1990	female	mature	all shell condi	373.862202	1	8.98731289
1991	male	immature	all shell condi	335.319753	1	5.4940384
1991	male	mature	all shell condi	1638.39736	1	-7.3020418
1991	female	immature	all shell condi	144.432965	1	6.98711313
1991	female	mature	all shell condi	779.809985	1	8.1919861
1992	male	immature	all shell condi	861.300747	1	7.99188704
1992	male	mature	all shell condi	693.709598	1	3.19850424
1992	female	immature	all shell condi	331.779616	1	2.60206775
1992	female	mature	all shell condi	878.522803	1	-3.6732047
1993	male	immature	all shell condi	507.524831	1	15.0441974
1993	male	mature	all shell condi	700.315512	1	7.91317998
1993	female	immature	all shell condi	590.825715	1	2.98159667
1993	female	mature	all shell condi	215.556167	1	-15.680232
1994	male	immature	all shell condi	402.243946	1	7.76855223
1994	male	mature	all shell condi	877.441337	1	1.08947218
1994	female	immature	all shell condi	90.3340578	1	17.1091182
1994	female	mature	all shell condi	306.730886	1	-12.037612
1995	male	immature	all shell condi	294.738222	1	-4.7152873
1995	male	mature	all shell condi	710.741818	1	1.06073887

1995	female	immature	all shell condi	368.697277	1	-2.7282959
1995	female	mature	all shell condi	184.849083	1	20.4490206
1996	male	immature	all shell condi	470.732318	1	-2.3659583
1996	male	mature	all shell condi	746.091844	1	3.56286522
1996	female	immature	all shell condi	309.657837	1	-1.471759
1996	female	mature	all shell condi	322.577218	1	11.225555
1997	male	immature	all shell condi	494.040156	1	3.34567423
1997	male	mature	all shell condi	896.48129	1	-4.0875724
1997	female	immature	all shell condi	99.4364965	1	20.0512604
1997	female	mature	all shell condi	471.111177	1	-7.2628226
1998	male	immature	all shell condi	409.602975	1	10.1011868
1998	male	mature	all shell condi	1243.22734	1	-1.2594051
1998	female	immature	all shell condi	466.180986	1	14.0560839
1998	female	mature	all shell condi	162.855541	1	-10.192852
1999	male	immature	all shell condi	148.849858	1	11.9371582
1999	male	mature	all shell condi	462.644001	1	5.37122073
1999	female	immature	all shell condi	149.212513	1	8.68205988
1999	female	mature	all shell condi	412.083534	1	-4.1500682
2000	male	immature	all shell condi	256.74227	1	2.19852917
2000	male	mature	all shell condi	710.097612	1	9.16470535
2000	female	immature	all shell condi	402.732152	1	0.00239879
2000	female	mature	all shell condi	276.076116	1	-0.5820043
2001	male	immature	all shell condi	388.325049	1	7.10601823
2001	male	mature	all shell condi	1250.02288	1	-2.5685378
2001	female	immature	all shell condi	290.888239	1	13.0165557
2001	female	mature	all shell condi	340.949128	1	-4.9587076
2002	male	immature	all shell condi	220.7197	1	4.16479852
2002	male	mature	all shell condi	984.012119	1	0.5717921
2002	female	immature	all shell condi	121.081795	1	16.4159885
2002	female	mature	all shell condi	796.821513	1	-4.1931773
2003	male	immature	all shell condi	349.21257	1	2.31952021
2003	male	mature	all shell condi	803.000679	1	5.63925884
2003	female	immature	all shell condi	273.872915	1	-5.7970734
2003	female	mature	all shell condi	261.464253	1	10.2266686
2004	male	immature	all shell condi	208.274489	1	-0.5265762
2004	male	mature	all shell condi	264.527748	1	20.1530119
2004	female	immature	all shell condi	128.806747	1	12.8285113
2004	female	mature	all shell condi	334.019051	1	-4.4023939
2005	male	immature	all shell condi	462.027529	1	-1.8325058
2005	male	mature	all shell condi	1355.94748	1	-1.3882317
2005	female	immature	all shell condi	252.496254	1	18.9034884

2005	female	mature	all shell condi	1248.89804	1	-3.3564436
2006	male	immature	all shell condi	341.088499	1	8.49284401
2006	male	mature	all shell condi	478.331893	1	4.92680114
2006	female	immature	all shell condi	194.799995	1	10.1851205
2006	female	mature	all shell condi	532.956334	1	-6.2681165
2007	male	immature	all shell condi	262.995222	1	22.0557305
2007	male	mature	all shell condi	286.304602	1	9.28701873
2007	female	immature	all shell condi	660.509303	1	0.32428643
2007	female	mature	all shell condi	154.543683	1	-11.479404
2008	male	immature	all shell condi	543.642761	1	7.84933733
2008	male	mature	all shell condi	362.011676	1	10.6035074
2008	female	immature	all shell condi	703.190195	1	-1.4524123
2008	female	mature	all shell condi	760.990982	1	-6.495678
2009	male	immature	all shell condi	98.211343	1	2.39967506
2009	male	mature	all shell condi	291.457707	1	13.7716508
2009	female	immature	all shell condi	80.1711072	1	1.05479355
2009	female	mature	all shell condi	908.336784	1	5.23997229
2010	male	immature	all shell condi	221.860175	1	-0.9516591
2010	male	mature	all shell condi	337.086131	1	14.9207557
2010	female	immature	all shell condi	192.960031	1	-1.4022766
2010	female	mature	all shell condi	7068.681	1	-0.924679
2011	male	immature	all shell condi	349.448369	1	8.55043087
2011	male	mature	all shell condi	1061.83892	1	0.82805462
2011	female	immature	all shell condi	165.385747	1	13.1786672
2011	female	mature	all shell condi	286.105279	1	-5.6782772
2012	male	immature	all shell condi	386.925674	1	14.1758592
2012	male	mature	all shell condi	398.836538	1	4.15689447
2012	female	immature	all shell condi	234.009416	1	0.75683132
2012	female	mature	all shell condi	483.982752	1	-2.8482524
2013	male	immature	all shell condi	911.521364	1	5.68812331
2013	male	mature	all shell condi	288.836772	1	9.90589172
2013	female	immature	all shell condi	457.910995	1	-1.1492158
2013	female	mature	all shell condi	893.531006	1	-1.8710353
2014	male	immature	all shell condi	565.347134	1	9.38510726
2014	male	mature	all shell condi	333.962212	1	8.4617629
2014	female	immature	all shell condi	119.053328	1	12.0795475
2014	female	mature	all shell condi	339.697201	1	-8.7300415
2015	male	immature	all shell condi	1191.56319	1	6.0383117
2015	male	mature	all shell condi	618.043916	1	3.87174015
2015	female	immature	all shell condi	531.884452	1	2.62856509
2015	female	mature	all shell condi	594.197092	1	-1.8359046

	2016	male	immature	all shell condi	492.212173	1	7.70863796
	2016	male	mature	all shell condi	189.858456	1	20.3849777
	2016	female	immature	all shell condi	341.094436	1	1.67773615
	2016	female	mature	all shell condi	325.707958	1	-8.751763
	2017	male	immature	all shell condi	99.585366	1	-3.7567349
	2017	male	mature	all shell condi	158.005512	1	23.8031981
	2017	female	immature	all shell condi	69.3023662	1	7.3818794
	2017	female	mature	all shell condi	887.490248	1	1.20512901
all		male	all maturity st	new shell	3.84397283	0	317.686733
all		male	all maturity st	old shell	4.24141794	0	386.776962
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	3.41834222	0	251.228866
all		male	all maturity st	old shell	3.86108137	0	320.52091
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
	1975	male	all maturity st	new shell	64.4319566	0	26.6319966
	1975	male	all maturity st	old shell	45.5936016	0	25.3286426
	1976	male	all maturity st	new shell	54.8719974	0	20.2027639
	1976	male	all maturity st	old shell	30.821892	0	35.5146249
	1977	male	all maturity st	new shell	43.0268279	0	25.7446352
	1977	male	all maturity st	old shell	112.267346	0	12.8120356
	1978	male	all maturity st	new shell	119.721322	0	13.5625224
	1978	male	all maturity st	old shell	59.3497852	0	22.921154
	1979	male	all maturity st	new shell	98.9333363	0	9.7134483
	1979	male	all maturity st	old shell	37.0560378	0	41.2384186
	1980	male	all maturity st	new shell	49.8299209	0	19.1492867
	1980	male	all maturity st	old shell	30.3078895	0	53.4706223
	1981	male	all maturity st	new shell	50.9068916	0	22.1052815
	1981	male	all maturity st	old shell	28.7670688	0	38.8083814
	1982	male	all maturity st	new shell	43.2623005	0	26.3097836
	1982	male	all maturity st	old shell	182.363351	0	5.78972364
	1983	male	all maturity st	new shell	75.244327	0	13.8064502
	1983	male	all maturity st	old shell	51.4537398	0	20.8483674
	1984	male	all maturity st	new shell	177.200387	0	3.66780317
	1984	male	all maturity st	old shell	43.4597585	0	23.6189805
	1985	male	all maturity st	new shell	77.7857866	0	16.613243
	1985	male	all maturity st	old shell	37.7656361	0	28.7121328
	1986	male	all maturity st	new shell	81.8630441	0	14.548934
	1986	male	all maturity st	old shell	60.5734472	0	13.9175585
	1987	male	all maturity st	new shell	60.9482598	0	13.2452678

1987	male	all maturity st	old shell	169.299779	0	7.55247655
1988	male	all maturity st	new shell	116.679697	0	8.73967289
1988	male	all maturity st	old shell	243.238621	0	7.04112373
1989	male	all maturity st	new shell	154.826395	0	7.2141994
1989	male	all maturity st	old shell	198.842335	0	7.11374512
1990	male	all maturity st	new shell	465.46109	0	2.92134634
1990	male	all maturity st	old shell	536.212528	0	3.1776822
1991	male	all maturity st	new shell	205.438334	0	5.64420462
1991	male	all maturity st	old shell	542.990738	0	2.1629064
1992	male	all maturity st	new shell	244.54904	0	5.10705096
1992	male	all maturity st	old shell	148.675584	0	6.504676
1993	male	all maturity st	new shell	299.618359	0	3.95835847
1993	male	all maturity st	old shell	261.586576	0	3.37046528
1994	male	all maturity st	new shell	221.685287	0	4.31584707
1994	male	all maturity st	old shell	163.642856	0	5.40905659
1995	male	all maturity st	new shell	80.3595792	0	10.7767606
1995	male	all maturity st	old shell	131.475768	0	8.24169037
1996	male	all maturity st	new shell	106.895009	0	12.1118736
1996	male	all maturity st	old shell	101.111201	0	8.50674737
1997	male	all maturity st	new shell	143.955634	0	7.67861654
1997	male	all maturity st	old shell	239.762119	0	5.29760159
1998	male	all maturity st	new shell	307.381228	0	3.4384449
1998	male	all maturity st	old shell	202.274792	0	5.39507222
1999	male	all maturity st	new shell	63.5101107	0	14.2933191
1999	male	all maturity st	old shell	86.0417115	0	11.6562819
2000	male	all maturity st	new shell	138.863559	0	5.29278581
2000	male	all maturity st	old shell	141.488481	0	8.70303204
2001	male	all maturity st	new shell	190.04382	0	5.46932021
2001	male	all maturity st	old shell	300.102907	0	5.01840684
2002	male	all maturity st	new shell	80.250159	0	10.5674701
2002	male	all maturity st	old shell	237.853096	0	3.68263918
2003	male	all maturity st	new shell	142.505393	0	6.90134793
2003	male	all maturity st	old shell	217.282405	0	4.88929
2004	male	all maturity st	new shell	98.6912222	0	8.95317775
2004	male	all maturity st	old shell	41.3647566	0	78.7123826
2005	male	all maturity st	new shell	209.643347	0	5.70099326
2005	male	all maturity st	old shell	166.552997	0	6.82724298
2006	male	all maturity st	new shell	126.816991	0	9.93359743
2006	male	all maturity st	old shell	238.428963	0	6.68161311
2007	male	all maturity st	new shell	241.593697	0	6.22643239
2007	male	all maturity st	old shell	116.921154	0	14.4931997

	2008	male	all maturity st	new shell	190.55801	0	6.09016008
	2008	male	all maturity st	old shell	70.5060952	0	17.247931
	2009	male	all maturity st	new shell	34.1234972	0	18.8310863
	2009	male	all maturity st	old shell	76.0508058	0	12.8149803
	2010	male	all maturity st	new shell	54.0938385	0	18.2191201
	2010	male	all maturity st	old shell	111.130303	0	9.85563351
	2011	male	all maturity st	new shell	139.85391	0	5.08323212
	2011	male	all maturity st	old shell	134.666151	0	7.49675141
	2012	male	all maturity st	new shell	186.965328	0	4.69024476
	2012	male	all maturity st	old shell	149.648079	0	8.87861965
	2013	male	all maturity st	new shell	159.696621	0	7.48872636
	2013	male	all maturity st	old shell	121.583597	0	13.8771255
	2014	male	all maturity st	new shell	245.132662	0	5.47204017
	2014	male	all maturity st	old shell	137.400407	0	8.32843031
	2015	male	all maturity st	new shell	431.425055	0	4.65290491
	2015	male	all maturity st	old shell	199.842097	0	6.57933355
	2016	male	all maturity st	new shell	149.188638	0	10.0907648
	2016	male	all maturity st	old shell	117.951446	0	10.2129257
	2017	male	all maturity st	new shell	28.8911362	0	14.0044372
	2017	male	all maturity st	old shell	116.184828	0	9.39469956
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.20291366	0	220.561102
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.8355708	0	172.869927
all		female	mature	old shell	3.06730637	0	202.279919
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	2.97684625	0	190.524693
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.77562742	0	165.638312
all		female	mature	old shell	2.72962901	0	160.193803
	1975	female	immature	new shell	16.4179653	0	27.3330566
	1975	female	mature	new shell	60.9084046	0	4.80025915
	1975	female	mature	old shell	9.77871678	0	26.3242321
	1976	female	immature	new shell	40.331544	0	7.8881347
	1976	female	mature	new shell	86.8440662	0	4.44005246

1976	female	mature	old shell	10.4023951	0	27.5250351
1977	female	immature	new shell	25.4058276	0	11.4845024
1977	female	mature	new shell	63.3115902	0	7.09438899
1977	female	mature	old shell	28.7034515	0	11.4865679
1978	female	immature	new shell	25.276325	0	9.54860231
1978	female	mature	new shell	131.323283	0	2.55092157
1978	female	mature	old shell	39.9892039	0	7.64439105
1979	female	immature	new shell	47.2326554	0	4.29440552
1979	female	mature	new shell	56.9972049	0	7.90895108
1979	female	mature	old shell	26.955947	0	11.0682695
1980	female	immature	new shell	120.609426	0	3.77555992
1980	female	mature	new shell	11.8992841	0	17.2116911
1980	female	mature	old shell	21.6648077	0	12.7301544
1981	female	immature	new shell	46.7773731	0	9.89731122
1981	female	mature	new shell	8.66904776	0	35.9435958
1981	female	mature	old shell	80.935353	0	5.53981315
1982	female	immature	new shell	40.8525113	0	16.6030395
1982	female	mature	new shell	9.1256031	0	24.5897482
1982	female	mature	old shell	31.6494397	0	8.24621723
1983	female	immature	new shell	50.185548	0	6.1744232
1983	female	mature	new shell	51.6800981	0	8.55747974
1983	female	mature	old shell	122.368856	0	2.30010427
1984	female	immature	new shell	39.2971048	0	5.15511138
1984	female	mature	new shell	33.2008602	0	6.75617457
1984	female	mature	old shell	229.310066	0	2.14423743
1985	female	immature	new shell	161.999894	0	3.88063468
1985	female	mature	new shell	11.0593913	0	41.6329419
1985	female	mature	old shell	276.730618	0	2.5954582
1986	female	immature	new shell	79.2115362	0	5.55649832
1986	female	mature	new shell	6.10797028	0	40.0106652
1986	female	mature	old shell	27.237767	0	11.6187859
1987	female	immature	new shell	18.6844087	0	32.6352628
1987	female	mature	new shell	33.0510177	0	11.9405151
1987	female	mature	old shell	20.1602468	0	19.3714663
1988	female	immature	new shell	119.770578	0	5.4042733
1988	female	mature	new shell	15.7851597	0	22.5143217
1988	female	mature	old shell	31.0632901	0	11.2810137
1989	female	immature	new shell	43.6549667	0	6.01626041
1989	female	mature	new shell	24.7826284	0	12.2970709
1989	female	mature	old shell	41.507605	0	10.5695157
1990	female	immature	new shell	60.8401942	0	5.11994009

1990	female	mature	new shell	216.557755	0	1.66067277
1990	female	mature	old shell	36.1377506	0	10.3501462
1991	female	immature	new shell	20.118882	0	14.6551929
1991	female	mature	new shell	113.793891	0	2.34209517
1991	female	mature	old shell	125.840116	0	3.38937028
1992	female	immature	new shell	30.2479453	0	13.7586237
1992	female	mature	new shell	79.3482937	0	5.22858241
1992	female	mature	old shell	115.556466	0	3.0525569
1993	female	immature	new shell	58.6326939	0	7.86761924
1993	female	mature	new shell	30.3248121	0	8.62518629
1993	female	mature	old shell	168.506156	0	2.19245453
1994	female	immature	new shell	28.2364712	0	10.8181601
1994	female	mature	new shell	36.9837383	0	10.2645566
1994	female	mature	old shell	201.033393	0	2.08473918
1995	female	immature	new shell	72.480289	0	7.1298504
1995	female	mature	new shell	29.4200641	0	13.5115292
1995	female	mature	old shell	433.696259	0	0.86651811
1996	female	immature	new shell	66.7188087	0	7.80824617
1996	female	mature	new shell	22.229816	0	12.7037303
1996	female	mature	old shell	188.942173	0	1.77187665
1997	female	immature	new shell	57.8022226	0	3.97614653
1997	female	mature	new shell	70.2256372	0	4.05409438
1997	female	mature	old shell	160.357162	0	2.55956822
1998	female	immature	new shell	436.702305	0	1.17644654
1998	female	mature	new shell	43.6953309	0	7.55070813
1998	female	mature	old shell	175.78757	0	2.92409518
1999	female	immature	new shell	51.925908	0	6.54212463
1999	female	mature	new shell	14.1718068	0	16.6899
1999	female	mature	old shell	118.765598	0	2.5082952
2000	female	immature	new shell	114.205858	0	2.11972702
2000	female	mature	new shell	25.1458339	0	10.471994
2000	female	mature	old shell	26.6178574	0	12.442728
2001	female	immature	new shell	182.267064	0	1.89105778
2001	female	mature	new shell	117.713242	0	4.91167867
2001	female	mature	old shell	40.8497918	0	6.23162006
2002	female	immature	new shell	58.8994104	0	4.8634765
2002	female	mature	new shell	45.1440831	0	7.63407239
2002	female	mature	old shell	64.2422743	0	3.5219011
2003	female	immature	new shell	89.7670459	0	3.63137128
2003	female	mature	new shell	167.759107	0	2.0877842
2003	female	mature	old shell	55.9143558	0	8.27959925

2004	female	immature	new shell	49.6947543	0	7.4398444
2004	female	mature	new shell	159.71052	0	1.40979792
2004	female	mature	old shell	43.1331091	0	9.91143363
2005	female	immature	new shell	352.780262	0	1.92709107
2005	female	mature	new shell	106.804746	0	3.73802556
2005	female	mature	old shell	357.793245	0	2.45123492
2006	female	immature	new shell	49.3398209	0	7.58555
2006	female	mature	new shell	164.056023	0	2.39011169
2006	female	mature	old shell	176.36774	0	2.80779101
2007	female	immature	new shell	109.3161	0	3.97087877
2007	female	mature	new shell	41.6083685	0	8.08763912
2007	female	mature	old shell	569.525571	0	0.7284109
2008	female	immature	new shell	109.958511	0	3.31808044
2008	female	mature	new shell	115.134708	0	4.37055526
2008	female	mature	old shell	422.266114	0	0.89104476
2009	female	immature	new shell	23.559972	0	10.3086848
2009	female	mature	new shell	30.3744029	0	6.81502964
2009	female	mature	old shell	563.164968	0	0.70666651
2010	female	immature	new shell	72.5796299	0	5.10736706
2010	female	mature	new shell	188.561576	0	2.08277164
2010	female	mature	old shell	699.3284	0	0.64986398
2011	female	immature	new shell	52.6403008	0	7.4049348
2011	female	mature	new shell	24.2091088	0	9.18598512
2011	female	mature	old shell	158.96953	0	2.59024495
2012	female	immature	new shell	61.0094663	0	6.6257374
2012	female	mature	new shell	27.6098746	0	8.0847519
2012	female	mature	old shell	200.116923	0	1.61511976
2013	female	immature	new shell	92.669622	0	5.17215648
2013	female	mature	new shell	418.720747	0	1.23999536
2013	female	mature	old shell	47.5579859	0	6.1411425
2014	female	immature	new shell	20.7150822	0	19.2799593
2014	female	mature	new shell	62.0889294	0	3.50835129
2014	female	mature	old shell	58.5423982	0	5.54196031
2015	female	immature	new shell	68.1088923	0	6.67964284
2015	female	mature	new shell	17.6186337	0	13.2464864
2015	female	mature	old shell	213.729905	0	1.75204915
2016	female	immature	new shell	40.2801062	0	10.6260657
2016	female	mature	new shell	63.1122091	0	8.13611951
2016	female	mature	old shell	75.6107765	0	3.52298777
2017	female	immature	new shell	15.4283426	0	12.7108744
2017	female	mature	new shell	34.6314452	0	15.4406763

	2017	female	mature	old shell	122.708167	0	1.7953634
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.20593658	20	0.80578766
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	24.6165756	1	16.5228395
	1981	male	all maturity st	all shell condi	698.236767	1	0.61881399
	1982	male	all maturity st	all shell condi	1409.15902	1	0.38340526
	1983	male	all maturity st	all shell condi	46.7846808	1	1.21959533
	1984	male	all maturity st	all shell condi	327.216522	1	0.23920437
	1988	male	all maturity st	all shell condi	150.614691	1	3.45861667
	1989	male	all maturity st	all shell condi	1189.40454	1	0.12091119
	1990	male	all maturity st	all shell condi	358.810399	1	3.91561563
	1991	male	all maturity st	all shell condi	161.780258	1	5.64912092
	1992	male	all maturity st	all shell condi	104.561047	1	7.92281855
	1993	male	all maturity st	all shell condi	146.010288	1	4.70709084
	1994	male	all maturity st	all shell condi	158.943583	1	4.85404861
	1995	male	all maturity st	all shell condi	259.986112	1	0.22308778
	1996	male	all maturity st	all shell condi	257.476903	1	0.55660852
	2005	male	all maturity st	all shell condi	14.7536373	1	1.31810479
	2006	male	all maturity st	all shell condi	241.889122	1	0.3363462
	2007	male	all maturity st	all shell condi	1408.08288	1	0.17524802
	2008	male	all maturity st	all shell condi	864.487707	1	0.20498605
	2009	male	all maturity st	all shell condi	148.277951	1	0.42359685
	2013	male	all maturity st	all shell condi	784.001799	1	0.23715592
	2014	male	all maturity st	all shell condi	278.700059	1	2.35127702
	2015	male	all maturity st	all shell condi	204.623073	1	5.40067735
all		male	all maturity st	all shell condi	0.20360248	20	0.26945079
all		female	all maturity st	all shell condi	0.56604681	20	2.08265845
	1991	male	all maturity st	all shell condi	1607.92018	1	0.96225842
	1991	female	all maturity st	all shell condi	533.451836	1	1.31079763
	1992	male	all maturity st	all shell condi	112.848859	1	19.8540109
	1992	female	all maturity st	all shell condi	405.640355	1	0.57044805
	1993	male	all maturity st	all shell condi	227.600033	1	7.83939222
	1993	female	all maturity st	all shell condi	348.612627	1	0.98886783
	1994	male	all maturity st	all shell condi	474.85879	1	0.80848628
	1994	female	all maturity st	all shell condi	57.2187991	1	1.34334403
	1995	male	all maturity st	all shell condi	299.977889	1	0.69748643
	1995	female	all maturity st	all shell condi	85.0868565	1	0.98834532
	1996	male	all maturity st	all shell condi	25.4216167	1	1.52702981
	1996	female	all maturity st	all shell condi	289.400741	1	0.05374421

	2005	male	all maturity st	all shell condi	107.376755	1	13.6863666
	2005	female	all maturity st	all shell condi	39.6082563	1	0.93610603
	2006	male	all maturity st	all shell condi	324.473116	1	3.61958431
	2006	female	all maturity st	all shell condi	443.743455	1	0.7586202
	2007	male	all maturity st	all shell condi	425.06338	1	4.68207784
	2007	female	all maturity st	all shell condi	293.222486	1	0.39672009
	2008	male	all maturity st	all shell condi	1303.71593	1	1.77018699
	2008	female	all maturity st	all shell condi	45.5891674	1	0.31888165
	2009	male	all maturity st	all shell condi	185.613892	1	5.03291839
	2009	female	all maturity st	all shell condi	23.7104648	1	0.18464351
	2013	male	all maturity st	all shell condi	1570.00018	1	0.93870828
	2013	female	all maturity st	all shell condi	62.7700743	1	0.61836634
	2014	male	all maturity st	all shell condi	239.520965	1	9.54747065
	2014	female	all maturity st	all shell condi	189.756717	1	0.19040498
	2015	male	all maturity st	all shell condi	148.312263	1	11.946972
	2015	female	all maturity st	all shell condi	74.7191754	1	1.07608711
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.08270275	20	0.08549682
all		female	all maturity st	all shell condi	0.32134127	20	1.29075267
	1992	male	all maturity st	all shell condi	216.323403	1	2.56614711
	1992	female	all maturity st	all shell condi	18.4584137	1	0.96618147
	1993	male	all maturity st	all shell condi	137.829929	1	2.66959788
	1993	female	all maturity st	all shell condi	31.0760258	1	1.16976197
	1994	male	all maturity st	all shell condi	42.0507572	1	3.06508929
	1994	female	all maturity st	all shell condi	40.5690519	1	1.8509506
	1995	male	all maturity st	all shell condi	98.3712251	1	0.86539032
	1995	female	all maturity st	all shell condi	43.9273526	1	0.2721427
	1996	male	all maturity st	all shell condi	321.588645	1	1.51006893
	1996	female	all maturity st	all shell condi	46.8940292	1	0.40823927
	1997	male	all maturity st	all shell condi	442.79433	1	0.90129426
	1997	female	all maturity st	all shell condi	113.589287	1	0.19496395
	1998	male	all maturity st	all shell condi	1149.21135	1	0.20227562
	1998	female	all maturity st	all shell condi	21.5462319	1	0.30970157
	1999	male	all maturity st	all shell condi	162.458322	1	0.30332513
	1999	female	all maturity st	all shell condi	31.0774314	1	0.06798303
	2000	male	all maturity st	all shell condi	313.528152	1	0.26699593
	2000	female	all maturity st	all shell condi	31.7314468	1	0.09664397
	2001	male	all maturity st	all shell condi	412.366827	1	0.39475355
	2001	female	all maturity st	all shell condi	118.938529	1	0.06264553
	2002	male	all maturity st	all shell condi	54.0588089	1	0.85560552

	2002	female	all maturity st	all shell condi	47.1470653	1	0.06291585
	2003	male	all maturity st	all shell condi	106.680735	1	0.39592216
	2003	female	all maturity st	all shell condi	45.610069	1	0.09807088
	2004	male	all maturity st	all shell condi	21.5430929	1	1.9353564
	2004	female	all maturity st	all shell condi	30.8485027	1	0.8236973
	2005	male	all maturity st	all shell condi	121.324366	1	4.51131508
	2005	female	all maturity st	all shell condi	151.56755	1	0.13081151
	2006	male	all maturity st	all shell condi	72.9859122	1	6.17328567
	2006	female	all maturity st	all shell condi	55.5202235	1	1.03463626
	2007	male	all maturity st	all shell condi	364.434739	1	2.27242083
	2007	female	all maturity st	all shell condi	46.2078217	1	0.41358021
	2008	male	all maturity st	all shell condi	97.7973785	1	6.77725656
	2008	female	all maturity st	all shell condi	14.5860893	1	2.20099782
	2009	male	all maturity st	all shell condi	495.670158	1	2.05626202
	2009	female	all maturity st	all shell condi	19.724199	1	0.95712396
	2010	male	all maturity st	all shell condi	360.619222	1	1.36241504
	2010	female	all maturity st	all shell condi	65.6775974	1	0.1973105
	2011	male	all maturity st	all shell condi	231.47473	1	3.05379791
	2011	female	all maturity st	all shell condi	59.0491337	1	0.17664107
	2012	male	all maturity st	all shell condi	240.377203	1	2.47860586
	2012	female	all maturity st	all shell condi	42.0430293	1	0.19487688
	2013	male	all maturity st	all shell condi	243.484485	1	2.76318406
	2013	female	all maturity st	all shell condi	237.280068	1	0.06949501
	2014	male	all maturity st	all shell condi	532.087508	1	2.49908355
	2014	female	all maturity st	all shell condi	59.294232	1	0.41930315
	2015	male	all maturity st	all shell condi	520.788975	1	1.88587308
	2015	female	all maturity st	all shell condi	114.042009	1	0.08904011
	2016	male	all maturity st	all shell condi	440.076635	1	2.36341378
	2016	female	all maturity st	all shell condi	117.324927	1	0.09034882
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.0555441	20	0.06787322
	1973	male	all maturity st	all shell condi	207.9765	1	-2.642848
	1973	female	all maturity st	all shell condi	214.477661	1	5.505269
	1974	male	all maturity st	all shell condi	566.330953	1	-1.7672158
	1974	female	all maturity st	all shell condi	220.10109	1	3.28018146
	1975	male	all maturity st	all shell condi	292.9871	1	-0.6030177
	1975	female	all maturity st	all shell condi	210.735552	1	1.81991886
	1976	male	all maturity st	all shell condi	172.425275	1	-6.8422937
	1976	female	all maturity st	all shell condi	109.152964	1	19.9606865
	1977	male	all maturity st	all shell condi	262.995111	1	-3.0814012
	1977	female	all maturity st	all shell condi	395.80942	1	12.8114862

1978	male	all maturity st	all shell condi	276.405611	1	-4.4740576
1978	female	all maturity st	all shell condi	177.796074	1	22.2278375
1979	male	all maturity st	all shell condi	758.383622	1	-4.5171952
1979	female	all maturity st	all shell condi	930.253657	1	10.4876619
1980	male	all maturity st	all shell condi	796.279549	1	5.48610095
1980	female	all maturity st	all shell condi	542.213893	1	-0.6101341
1981	male	all maturity st	all shell condi	1032.19742	1	-2.4688916
1981	female	all maturity st	all shell condi	58.6258935	1	11.4010176
1982	male	all maturity st	all shell condi	632.169335	1	8.38849814
1982	female	all maturity st	all shell condi	66.7326504	1	13.7746938
1983	male	all maturity st	all shell condi	347.079065	1	31.2988487
1983	female	all maturity st	all shell condi	141.082572	1	-11.320807
1984	male	all maturity st	all shell condi	368.556635	1	39.9569082
1984	female	all maturity st	all shell condi	238.590024	1	-19.52596
1985	male	all maturity st	all shell condi	176.496156	1	27.3194327
1985	female	all maturity st	all shell condi	261.786598	1	-7.5861864
1986	male	all maturity st	all shell condi	366.060838	1	11.2009718
1986	female	all maturity st	all shell condi	222.672406	1	-1.3231867
1987	male	all maturity st	all shell condi	267.35435	1	9.05007376
1987	female	all maturity st	all shell condi	602.796197	1	9.29791727
1988	male	all maturity st	all shell condi	410.515592	1	-0.3063756
1988	female	all maturity st	all shell condi	226.158181	1	11.8174175
1989	male	all maturity st	all shell condi	798.793328	1	-14.622029
1989	female	all maturity st	all shell condi	520.833841	1	25.8052122
1990	male	all maturity st	all shell condi	889.285288	1	10.7311915
1990	female	all maturity st	all shell condi	277.56099	1	-1.6514349
1991	male	all maturity st	all shell condi	327.210431	1	-0.0443043
1991	female	all maturity st	all shell condi	190.19929	1	7.47169911
1992	male	all maturity st	all shell condi	192.794923	1	4.62551965
1992	female	all maturity st	all shell condi	65.3839647	1	2.99981693
1993	male	all maturity st	all shell condi	77.0405753	1	3.70707716
1993	female	all maturity st	all shell condi	94.2832268	1	-0.4110693
1994	male	all maturity st	all shell condi	243.620611	1	2.39599902
1994	female	all maturity st	all shell condi	445.68122	1	1.42947682
1995	male	all maturity st	all shell condi	62.9708218	1	9.58785365
1995	female	all maturity st	all shell condi	65.3177385	1	4.73375737
1996	male	all maturity st	all shell condi	176.348471	1	10.6144424
1996	female	all maturity st	all shell condi	562.770246	1	-2.7652823
1997	male	all maturity st	all shell condi	48.4804664	1	21.8694438
1997	female	all maturity st	all shell condi	186.394434	1	5.58792331
1998	male	all maturity st	all shell condi	112.217191	1	9.02739713

	1998	female	all maturity st	all shell condi	303.243451	1	7.43864948
	1999	male	all maturity st	all shell condi	422.247973	1	4.23132677
	1999	female	all maturity st	all shell condi	1067.77904	1	2.37307379
	2000	male	all maturity st	all shell condi	521.00449	1	4.84904867
	2000	female	all maturity st	all shell condi	885.331023	1	-0.0915411
	2001	male	all maturity st	all shell condi	648.556964	1	8.62417336
	2001	female	all maturity st	all shell condi	1132.10234	1	-3.5993069
	2002	male	all maturity st	all shell condi	404.280378	1	9.84582998
	2002	female	all maturity st	all shell condi	902.48373	1	-0.1974741
	2003	male	all maturity st	all shell condi	189.529669	1	4.75099091
	2003	female	all maturity st	all shell condi	305.843371	1	5.11918887
	2004	male	all maturity st	all shell condi	112.064561	1	-2.7595984
	2004	female	all maturity st	all shell condi	30.8658476	1	40.2807936
	2005	male	all maturity st	all shell condi	1346.29321	1	3.23836973
	2005	female	all maturity st	all shell condi	1851.06856	1	0.71946179
	2006	male	all maturity st	all shell condi	197.33733	1	12.1781789
	2006	female	all maturity st	all shell condi	139.754361	1	3.78951033
	2007	male	all maturity st	all shell condi	160.68218	1	10.5632029
	2007	female	all maturity st	all shell condi	83.5409496	1	10.6003918
	2008	male	all maturity st	all shell condi	158.624091	1	26.3889911
	2008	female	all maturity st	all shell condi	158.248398	1	-7.8627694
	2009	male	all maturity st	all shell condi	341.076057	1	12.3880294
	2009	female	all maturity st	all shell condi	522.603126	1	-6.6523034
	2010	male	all maturity st	all shell condi	624.104235	1	4.69973642
	2010	female	all maturity st	all shell condi	1813.31676	1	-1.8931165
	2011	male	all maturity st	all shell condi	78.4246988	1	10.7495014
	2011	female	all maturity st	all shell condi	66.517998	1	22.1611171
	2012	male	all maturity st	all shell condi	467.582363	1	-8.8510406
	2012	female	all maturity st	all shell condi	111.533136	1	14.8411328
	2013	male	all maturity st	all shell condi	309.424761	1	-0.3054394
	2013	female	all maturity st	all shell condi	439.41375	1	12.9242663
	2014	male	all maturity st	all shell condi	919.440814	1	8.95756593
	2014	female	all maturity st	all shell condi	748.292779	1	-5.2525341
	2015	male	all maturity st	all shell condi	219.727924	1	13.5136776
	2015	female	all maturity st	all shell condi	199.142338	1	4.77388463
	2016	male	all maturity st	all shell condi	235.291112	1	-6.6493631
	2016	female	all maturity st	all shell condi	52.1024145	1	26.4379196
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.18310531	20	0.38556687
all		female	all maturity st	all shell condi	0.00741601	20	0.00063247

1992	male	all maturity st	all shell condi	33.8425405	1	2.93638214
1992	female	all maturity st	all shell condi	86.2768662	1	0.1262754
1993	male	all maturity st	all shell condi	35.2704636	1	9.13820142
1993	female	all maturity st	all shell condi	289.040023	1	0.2902856
1996	male	all maturity st	all shell condi	15.0385238	1	0.37771609
1996	female	all maturity st	all shell condi	3.43627008	1	0.03194883
1997	male	all maturity st	all shell condi	22.5225093	1	2.12041662
1997	female	all maturity st	all shell condi	26.0365258	1	0.05948915
1998	male	all maturity st	all shell condi	64.3816524	1	0.32200409
1998	female	all maturity st	all shell condi	21.1748731	1	0.07012396
1999	male	all maturity st	all shell condi	48.91433	1	0.28974468
1999	female	all maturity st	all shell condi	17.3578874	1	0.02734017
2000	male	all maturity st	all shell condi	130.582754	1	0.67841656
2000	female	all maturity st	all shell condi	39.9605958	1	0.06330471
2001	male	all maturity st	all shell condi	109.059152	1	0.2775198
2001	female	all maturity st	all shell condi	49.7493477	1	0.03698462
2002	male	all maturity st	all shell condi	90.076398	1	0.49372366
2002	female	all maturity st	all shell condi	35.0292798	1	0.05131856
2003	male	all maturity st	all shell condi	59.0556399	1	0.59041592
2003	female	all maturity st	all shell condi	52.7407642	1	0.09441135
2004	male	all maturity st	all shell condi	32.1390981	1	0.79043502
2004	female	all maturity st	all shell condi	19.9949432	1	0.05857193
2005	male	all maturity st	all shell condi	36.6958896	1	1.82410496
2005	female	all maturity st	all shell condi	12.9091047	1	0.16864492
2006	male	all maturity st	all shell condi	20.3113001	1	2.27263883
2006	female	all maturity st	all shell condi	23.3879273	1	0.27081147
2007	male	all maturity st	all shell condi	67.4931655	1	1.31763809
2007	female	all maturity st	all shell condi	102.061668	1	0.08748577
2008	male	all maturity st	all shell condi	75.7864634	1	2.18148037
2008	female	all maturity st	all shell condi	91.188542	1	0.13054791
2009	male	all maturity st	all shell condi	20.2154903	1	8.06931073
2009	female	all maturity st	all shell condi	103.704287	1	0.05206176
2010	male	all maturity st	all shell condi	44.1655379	1	0.91880957
2010	female	all maturity st	all shell condi	36.0633427	1	0.04363714
2011	male	all maturity st	all shell condi	56.1594418	1	0.33469533
2011	female	all maturity st	all shell condi	6.0403241	1	0.01911015
2012	male	all maturity st	all shell condi	50.1312582	1	0.76584422
2012	female	all maturity st	all shell condi	6.95937992	1	0.20718493
2013	male	all maturity st	all shell condi	97.8398202	1	1.03131417
2013	female	all maturity st	all shell condi	9.62848066	1	0.18129985
2014	male	all maturity st	all shell condi	166.276685	1	1.02291707

2014	female	all maturity st	all shell condi	18.4244727	1	0.07533191
2015	male	all maturity st	all shell condi	143.67159	1	0.83026353
2015	female	all maturity st	all shell condi	84.4407945	1	0.07238763
2016	male	all maturity st	all shell condi	21.429799	1	7.28601266
2016	female	all maturity st	all shell condi	19.3047951	1	0.52455087
2015	male	immature	new shell	0.51787876	1	76.2721358
2016	male	immature	new shell	0.51787876	1	102.39996
2015	female	immature	new shell	0.31912421	1	64.928432
2016	female	immature	new shell	0.31912421	1	55.8362784
1994	male	immature	new shell	0.60581708	0	10.3917164
1995	male	immature	new shell	0.60581708	0	29.9533345
1996	male	immature	new shell	0.60581708	0	290.612899
1997	male	immature	new shell	0.60581708	0	465.753062
1998	male	immature	new shell	0.60581708	0	569.628984
1999	male	immature	new shell	0.60581708	0	438.267518
2000	male	immature	new shell	0.60581708	0	622.289285
2001	male	immature	new shell	0.60581708	0	752.298215
2002	male	immature	new shell	0.60581708	0	804.288661
2003	male	immature	new shell	0.60581708	0	312.660709
2004	male	immature	new shell	0.60581708	0	170.529885
2005	male	immature	new shell	0.60581708	0	111.055293
2006	male	immature	new shell	0.60581708	0	13.8134332
2011	male	immature	new shell	0.60581708	0	1.82339351
2012	male	immature	new shell	0.60581708	0	2.68944845
1994	female	immature	new shell	0.4745475	0	13.5125671
1995	female	immature	new shell	0.4745475	0	13.7014717
1996	female	immature	new shell	0.4745475	0	201.711052
1997	female	immature	new shell	0.4745475	0	153.731738
1998	female	immature	new shell	0.4745475	0	206.994219
1999	female	immature	new shell	0.4745475	0	261.664251
2000	female	immature	new shell	0.4745475	0	507.484138
2001	female	immature	new shell	0.4745475	0	506.289544
2002	female	immature	new shell	0.4745475	0	324.198892
2003	female	immature	new shell	0.4745475	0	81.3978146
2004	female	immature	new shell	0.4745475	0	90.3389377
2005	female	immature	new shell	0.4745475	0	22.736806
2006	female	immature	new shell	0.4745475	0	7.19174828
2012	female	immature	new shell	0.4745475	0	2.13996061
1990	male		new shell	1836.02151	0	256.551018
1991	male		new shell	1836.02151	0	197.374205
1992	male		new shell	1836.02151	0	47.5025994

	1993	male		new shell	1836.02151	0	86.2225799
	1994	male		new shell	1836.02151	0	42.3692082
	1995	male		new shell	1836.02151	0	25.6676179
	1997	male		new shell	1836.02151	0	6.58419417
	1998	male		new shell	1836.02151	0	105.537331
	1999	male		new shell	1836.02151	0	18.6433646
	2000	male		new shell	1836.02151	0	107.549427
	2001	male		new shell	1836.02151	0	67.7759636
	2002	male		new shell	1836.02151	0	43.0996248
	2003	male		new shell	1836.02151	0	34.0741793
	2004	male		new shell	1836.02151	0	47.5237295
	2005	male		new shell	1836.02151	0	124.553727
	2008	male		new shell	1836.02151	0	150.802526
	2010	male		new shell	1836.02151	0	228.557665
	2012	male		new shell	1836.02151	0	31.3018478
	2014	male		new shell	1836.02151	0	94.6648679
	2016	male		new shell	1836.02151	0	40.4238125
	2017	male		new shell	1836.02151	0	55.2303937
all		male	immature	new shell	0.09975135	1	891.641024
all		male	mature	new shell	0.09975135	1	891.641024
all		male	immature	old shell	0.09975135	1	891.641024
all		male	mature	old shell	0.09975135	1	891.641024
all		female	immature	new shell	0.09975135	1	891.641024
all		female	mature	new shell	0.09975135	1	891.641024
all		female	immature	old shell	0.09975135	1	891.641024
all		female	mature	old shell	0.09975135	1	891.641024
all		male	immature	new shell	0.09975135	1	558.322391
all		male	mature	new shell	0.09975135	1	558.322391
all		male	immature	old shell	0.09975135	1	558.322391
all		male	mature	old shell	0.09975135	1	558.322391
all		female	immature	new shell	0.09975135	1	558.322391
all		female	mature	new shell	0.09975135	1	558.322391
all		female	immature	old shell	0.09975135	1	558.322391
all		female	mature	old shell	0.09975135	1	558.322391
all		male	immature	all shell condi	3.51784666	0	266.067771
all		male	mature	all shell condi	2.48709882	0	132.991702
all		female	immature	all shell condi	3.1293533	0	210.54632
all		female	mature	all shell condi	2.59008636	0	144.233768
all		male	mature	all shell condi	2.28426216	1	112.183853
all		female	mature	all shell condi	2.30975685	1	114.701999
	1975	male	immature	all shell condi	307.914037	1	18.9425991

1975	male	mature	all shell condi	100.036242	1	40.1596919
1975	female	immature	all shell condi	134.207604	1	8.09425908
1975	female	mature	all shell condi	61.1958229	1	-13.971982
1976	male	immature	all shell condi	228.701122	1	17.9453339
1976	male	mature	all shell condi	293.194546	1	5.17879181
1976	female	immature	all shell condi	188.828471	1	8.63831945
1976	female	mature	all shell condi	102.839227	1	-4.2106574
1977	male	immature	all shell condi	321.951023	1	-0.1551269
1977	male	mature	all shell condi	272.636311	1	-0.1603119
1977	female	immature	all shell condi	58.0537544	1	30.2114093
1977	female	mature	all shell condi	194.261669	1	0.90824915
1978	male	immature	all shell condi	226.467916	1	-3.7858707
1978	male	mature	all shell condi	288.489765	1	12.5764334
1978	female	immature	all shell condi	87.8926651	1	13.1051427
1978	female	mature	all shell condi	284.076947	1	2.95982515
1979	male	immature	all shell condi	299.074697	1	4.60464064
1979	male	mature	all shell condi	408.277415	1	-0.6148151
1979	female	immature	all shell condi	282.983115	1	-7.736656
1979	female	mature	all shell condi	120.866674	1	20.8828662
1980	male	immature	all shell condi	137.803379	1	20.0783385
1980	male	mature	all shell condi	268.501428	1	-6.9284731
1980	female	immature	all shell condi	1004.79157	1	-2.4360544
1980	female	mature	all shell condi	87.5180903	1	10.5476301
1981	male	immature	all shell condi	424.566578	1	7.40350956
1981	male	mature	all shell condi	535.062773	1	-7.2104396
1981	female	immature	all shell condi	153.037654	1	-6.7276533
1981	female	mature	all shell condi	40.2257091	1	42.6829833
1982	male	immature	all shell condi	154.628514	1	-10.651494
1982	male	mature	all shell condi	255.121665	1	-8.3704699
1982	female	immature	all shell condi	113.354141	1	-7.7632005
1982	female	mature	all shell condi	8.59137183	1	119.684885
1983	male	immature	all shell condi	221.992777	1	0.10632535
1983	male	mature	all shell condi	439.253945	1	0.82948585
1983	female	immature	all shell condi	225.468072	1	4.65375319
1983	female	mature	all shell condi	154.840157	1	15.9977458
1984	male	immature	all shell condi	236.085894	1	-15.984633
1984	male	mature	all shell condi	167.189781	1	19.1306657
1984	female	immature	all shell condi	157.980195	1	-6.8343957
1984	female	mature	all shell condi	86.0657414	1	28.0048628
1985	male	immature	all shell condi	136.383454	1	-18.269066
1985	male	mature	all shell condi	64.4986927	1	38.1011157

1985	female	immature	all shell condi	118.472016	1	-17.988693
1985	female	mature	all shell condi	67.059892	1	37.3881917
1986	male	immature	all shell condi	322.137686	1	5.1730221
1986	male	mature	all shell condi	79.7424089	1	27.570997
1986	female	immature	all shell condi	197.74181	1	-5.0369283
1986	female	mature	all shell condi	159.66161	1	-1.2076536
1987	male	immature	all shell condi	142.33602	1	6.59122814
1987	male	mature	all shell condi	507.141285	1	6.83478246
1987	female	immature	all shell condi	49.0216867	1	52.4794272
1987	female	mature	all shell condi	126.21702	1	-6.5936844
1988	male	immature	all shell condi	432.769865	1	1.95265965
1988	male	mature	all shell condi	478.656523	1	9.66754693
1988	female	immature	all shell condi	283.630542	1	-5.6449077
1988	female	mature	all shell condi	116.560954	1	13.3904014
1989	male	immature	all shell condi	276.480641	1	8.06023001
1989	male	mature	all shell condi	2284.49443	1	1.42716329
1989	female	immature	all shell condi	113.188362	1	15.6909968
1989	female	mature	all shell condi	141.964919	1	-6.9633394
1990	male	immature	all shell condi	1071.37302	1	-0.1008234
1990	male	mature	all shell condi	1019.28935	1	-5.5107675
1990	female	immature	all shell condi	301.124971	1	5.70390463
1990	female	mature	all shell condi	389.260482	1	8.95769301
1991	male	immature	all shell condi	378.807851	1	5.38105517
1991	male	mature	all shell condi	1599.78603	1	-6.5192968
1991	female	immature	all shell condi	158.461528	1	5.33427951
1991	female	mature	all shell condi	858.875874	1	7.82551018
1992	male	immature	all shell condi	1011.72381	1	8.35223167
1992	male	mature	all shell condi	847.587972	1	4.16544815
1992	female	immature	all shell condi	341.692896	1	1.3305206
1992	female	mature	all shell condi	931.552248	1	-4.3330913
1993	male	immature	all shell condi	561.937405	1	14.724791
1993	male	mature	all shell condi	707.927275	1	10.8836668
1993	female	immature	all shell condi	634.744741	1	1.89572586
1993	female	mature	all shell condi	198.180929	1	-16.610252
1994	male	immature	all shell condi	417.216868	1	6.99181518
1994	male	mature	all shell condi	793.371177	1	4.80945445
1994	female	immature	all shell condi	93.4320366	1	16.5315943
1994	female	mature	all shell condi	270.642579	1	-13.344536
1995	male	immature	all shell condi	288.961816	1	-5.200089
1995	male	mature	all shell condi	768.436925	1	3.27512063
1995	female	immature	all shell condi	377.050767	1	-3.1153931

1995	female	mature	all shell condi	211.684296	1	18.8243097
1996	male	immature	all shell condi	448.738326	1	-2.9821956
1996	male	mature	all shell condi	650.266998	1	5.86939609
1996	female	immature	all shell condi	306.037363	1	-1.902602
1996	female	mature	all shell condi	356.79563	1	10.2295188
1997	male	immature	all shell condi	473.177836	1	2.46807087
1997	male	mature	all shell condi	731.183191	1	-2.7647409
1997	female	immature	all shell condi	103.685171	1	19.2086677
1997	female	mature	all shell condi	491.980219	1	-7.1737853
1998	male	immature	all shell condi	409.158965	1	9.00130176
1998	male	mature	all shell condi	1036.0746	1	-0.2595757
1998	female	immature	all shell condi	476.149266	1	13.3567328
1998	female	mature	all shell condi	170.600229	1	-9.9807477
1999	male	immature	all shell condi	149.06474	1	11.0017571
1999	male	mature	all shell condi	405.638742	1	6.29850062
1999	female	immature	all shell condi	148.754065	1	8.45476337
1999	female	mature	all shell condi	429.42817	1	-3.9242068
2000	male	immature	all shell condi	243.959881	1	1.71542553
2000	male	mature	all shell condi	656.748595	1	9.68821846
2000	female	immature	all shell condi	366.35979	1	0.10223434
2000	female	mature	all shell condi	282.848467	1	-0.4692744
2001	male	immature	all shell condi	408.689591	1	6.3956086
2001	male	mature	all shell condi	1101.66496	1	-2.2106151
2001	female	immature	all shell condi	291.472068	1	12.8777627
2001	female	mature	all shell condi	365.585017	1	-4.8139629
2002	male	immature	all shell condi	213.350479	1	3.63048877
2002	male	mature	all shell condi	795.961954	1	1.21145666
2002	female	immature	all shell condi	117.487697	1	16.4807533
2002	female	mature	all shell condi	859.692696	1	-4.0403041
2003	male	immature	all shell condi	346.50273	1	2.00412905
2003	male	mature	all shell condi	658.610043	1	6.12525195
2003	female	immature	all shell condi	278.842012	1	-5.5348347
2003	female	mature	all shell condi	258.635258	1	10.209914
2004	male	immature	all shell condi	220.221109	1	-1.0506687
2004	male	mature	all shell condi	242.926591	1	20.8148123
2004	female	immature	all shell condi	136.581107	1	12.5275444
2004	female	mature	all shell condi	336.406029	1	-4.3784496
2005	male	immature	all shell condi	468.421414	1	-1.7301437
2005	male	mature	all shell condi	1014.05337	1	-1.2173505
2005	female	immature	all shell condi	250.540088	1	18.9560864
2005	female	mature	all shell condi	1272.31948	1	-3.3958756

2006	male	immature	all shell condi	338.722988	1	8.8250634
2006	male	mature	all shell condi	377.169252	1	5.84033353
2006	female	immature	all shell condi	200.825726	1	9.89948408
2006	female	mature	all shell condi	528.025134	1	-6.4076095
2007	male	immature	all shell condi	248.615729	1	23.6371949
2007	male	mature	all shell condi	233.516945	1	9.8858454
2007	female	immature	all shell condi	658.847425	1	0.41024116
2007	female	mature	all shell condi	151.865932	1	-11.890581
2008	male	immature	all shell condi	487.914489	1	10.7308896
2008	male	mature	all shell condi	308.730892	1	9.47683745
2008	female	immature	all shell condi	781.217106	1	-0.7300092
2008	female	mature	all shell condi	644.355948	1	-7.399457
2009	male	immature	all shell condi	102.203526	1	3.77388117
2009	male	mature	all shell condi	291.316118	1	12.2764127
2009	female	immature	all shell condi	86.673176	1	2.23695071
2009	female	mature	all shell condi	1243.65055	1	3.99928141
2010	male	immature	all shell condi	230.228485	1	-0.887714
2010	male	mature	all shell condi	358.063224	1	14.3593574
2010	female	immature	all shell condi	212.861978	1	-0.9216297
2010	female	mature	all shell condi	7549.11946	1	-1.0816875
2011	male	immature	all shell condi	374.461365	1	7.99188491
2011	male	mature	all shell condi	859.791385	1	0.89415803
2011	female	immature	all shell condi	178.995103	1	13.2092755
2011	female	mature	all shell condi	297.051826	1	-5.6281937
2012	male	immature	all shell condi	382.843224	1	14.5396883
2012	male	mature	all shell condi	331.120782	1	4.43383017
2012	female	immature	all shell condi	228.796649	1	1.03708761
2012	female	mature	all shell condi	509.52958	1	-2.7721555
2013	male	immature	all shell condi	958.077685	1	7.48796206
2013	male	mature	all shell condi	283.303441	1	9.03344965
2013	female	immature	all shell condi	445.960637	1	-1.179006
2013	female	mature	all shell condi	979.18273	1	-1.9803327
2014	male	immature	all shell condi	533.661062	1	11.5552802
2014	male	mature	all shell condi	276.356588	1	8.02946998
2014	female	immature	all shell condi	117.764857	1	12.0459545
2014	female	mature	all shell condi	340.827743	1	-8.9408502
2015	male	immature	all shell condi	1088.0412	1	7.559281
2015	male	mature	all shell condi	545.842613	1	3.4455989
2015	female	immature	all shell condi	523.831929	1	2.5977999
2015	female	mature	all shell condi	537.879757	1	-1.977228
2016	male	immature	all shell condi	479.70484	1	8.25321068

	2016	male	mature	all shell condi	190.846177	1	20.2231867
	2016	female	immature	all shell condi	336.407734	1	1.77135377
	2016	female	mature	all shell condi	307.669627	1	-8.7627503
	2017	male	immature	all shell condi	96.0266503	1	-3.5532685
	2017	male	mature	all shell condi	167.782265	1	23.0419797
	2017	female	immature	all shell condi	68.2135136	1	7.84042837
	2017	female	mature	all shell condi	799.799655	1	1.3651728
all		male	all maturity st	new shell	3.74386508	0	301.355304
all		male	all maturity st	old shell	4.57727252	0	450.45561
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	3.24409373	0	226.269099
all		male	all maturity st	old shell	4.12163028	0	365.238477
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
	1975	male	all maturity st	new shell	54.3736681	0	30.9443563
	1975	male	all maturity st	old shell	36.7277426	0	29.8344471
	1976	male	all maturity st	new shell	59.5379989	0	23.1119997
	1976	male	all maturity st	old shell	25.7136061	0	45.4106064
	1977	male	all maturity st	new shell	76.0323888	0	22.736218
	1977	male	all maturity st	old shell	91.2097954	0	18.5063811
	1978	male	all maturity st	new shell	69.2052995	0	20.2623806
	1978	male	all maturity st	old shell	45.0858629	0	35.0437866
	1979	male	all maturity st	new shell	170.448287	0	5.1914254
	1979	male	all maturity st	old shell	24.2103935	0	72.8919738
	1980	male	all maturity st	new shell	92.7707579	0	9.07875503
	1980	male	all maturity st	old shell	18.7845164	0	103.152621
	1981	male	all maturity st	new shell	70.6620628	0	16.4882627
	1981	male	all maturity st	old shell	20.3769665	0	60.8771825
	1982	male	all maturity st	new shell	38.2700628	0	29.6082702
	1982	male	all maturity st	old shell	179.609842	0	5.76075704
	1983	male	all maturity st	new shell	74.2569281	0	14.0974089
	1983	male	all maturity st	old shell	54.4344272	0	19.5681283
	1984	male	all maturity st	new shell	158.220324	0	4.260087
	1984	male	all maturity st	old shell	48.483133	0	21.2508488
	1985	male	all maturity st	new shell	72.4270947	0	17.9168503
	1985	male	all maturity st	old shell	41.4093804	0	26.0787516
	1986	male	all maturity st	new shell	81.1156514	0	14.3850116
	1986	male	all maturity st	old shell	61.8515974	0	13.3072021
	1987	male	all maturity st	new shell	55.8414806	0	14.464187
	1987	male	all maturity st	old shell	177.03004	0	6.76624407

1988	male	all maturity st	new shell	104.221274	0 9.8558879
1988	male	all maturity st	old shell	230.030295	0 7.14280774
1989	male	all maturity st	new shell	159.187513	0 7.13415283
1989	male	all maturity st	old shell	139.762321	0 9.27946177
1990	male	all maturity st	new shell	523.859099	0 2.67884837
1990	male	all maturity st	old shell	395.355741	0 3.54768473
1991	male	all maturity st	new shell	234.656615	0 4.88307593
1991	male	all maturity st	old shell	563.292387	0 1.75433059
1992	male	all maturity st	new shell	253.235676	0 5.06594263
1992	male	all maturity st	old shell	172.383105	0 5.51882978
1993	male	all maturity st	new shell	239.945194	0 4.99298318
1993	male	all maturity st	old shell	293.217761	0 2.84275824
1994	male	all maturity st	new shell	208.361339	0 4.85583642
1994	male	all maturity st	old shell	176.559975	0 6.16864532
1995	male	all maturity st	new shell	81.2504601	0 10.6496517
1995	male	all maturity st	old shell	140.336737	0 11.1354792
1996	male	all maturity st	new shell	104.649614	0 12.4558357
1996	male	all maturity st	old shell	91.8894788	0 11.895499
1997	male	all maturity st	new shell	133.704642	0 8.17456736
1997	male	all maturity st	old shell	157.466008	0 9.12822943
1998	male	all maturity st	new shell	266.349421	0 3.76282394
1998	male	all maturity st	old shell	155.101166	0 5.95562538
1999	male	all maturity st	new shell	62.6593071	0 14.5571643
1999	male	all maturity st	old shell	77.1545733	0 11.7110114
2000	male	all maturity st	new shell	130.85844	0 5.36640142
2000	male	all maturity st	old shell	134.80953	0 8.09018135
2001	male	all maturity st	new shell	197.740286	0 5.21942787
2001	male	all maturity st	old shell	279.817067	0 4.63412928
2002	male	all maturity st	new shell	79.042149	0 10.346273
2002	male	all maturity st	old shell	161.435043	0 4.80052194
2003	male	all maturity st	new shell	141.493047	0 6.91635037
2003	male	all maturity st	old shell	194.234477	0 4.99385339
2004	male	all maturity st	new shell	104.824312	0 8.5875268
2004	male	all maturity st	old shell	37.7440908	0 80.7994484
2005	male	all maturity st	new shell	221.022453	0 5.49234095
2005	male	all maturity st	old shell	141.09648	0 7.80177652
2006	male	all maturity st	new shell	129.242256	0 9.82614236
2006	male	all maturity st	old shell	189.065714	0 7.28246015
2007	male	all maturity st	new shell	244.959587	0 6.28289221
2007	male	all maturity st	old shell	97.3854313	0 16.7782223
2008	male	all maturity st	new shell	181.715811	0 6.45386371

	2008	male	all maturity st	old shell	61.0002586	0	19.0203658
	2009	male	all maturity st	new shell	32.9496862	0	19.7664892
	2009	male	all maturity st	old shell	64.6871777	0	14.6935127
	2010	male	all maturity st	new shell	53.1235088	0	19.5743577
	2010	male	all maturity st	old shell	94.8944406	0	11.0959905
	2011	male	all maturity st	new shell	147.438803	0	4.87561845
	2011	male	all maturity st	old shell	121.607197	0	7.94902483
	2012	male	all maturity st	new shell	194.256659	0	4.60138932
	2012	male	all maturity st	old shell	151.39039	0	8.69618717
	2013	male	all maturity st	new shell	174.681153	0	7.19021885
	2013	male	all maturity st	old shell	101.110164	0	15.5466826
	2014	male	all maturity st	new shell	220.993353	0	6.19029038
	2014	male	all maturity st	old shell	122.842015	0	9.04469046
	2015	male	all maturity st	new shell	338.373941	0	5.3184277
	2015	male	all maturity st	old shell	165.713759	0	7.35954471
	2016	male	all maturity st	new shell	137.032013	0	10.5029363
	2016	male	all maturity st	old shell	113.860915	0	10.4897639
	2017	male	all maturity st	new shell	27.9596576	0	14.3781272
	2017	male	all maturity st	old shell	117.503553	0	9.24308817
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.1293533	0	210.54632
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.70259034	0	157.035882
all		female	mature	old shell	3.17001536	0	216.053444
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	2.94392117	0	186.333444
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.653811	0	151.418325
all		female	mature	old shell	2.82130204	0	171.134522
	1975	female	immature	new shell	14.7884647	0	30.2366807
	1975	female	mature	new shell	57.260776	0	5.10451752
	1975	female	mature	old shell	8.49723055	0	30.7773332
	1976	female	immature	new shell	38.6484962	0	8.89872699
	1976	female	mature	new shell	57.2625924	0	5.99537798
	1976	female	mature	old shell	9.24404605	0	31.1164869

1977	female	immature	new shell	31.4285178	0	9.17435781
1977	female	mature	new shell	36.3995557	0	10.4854458
1977	female	mature	old shell	23.1926466	0	13.8721453
1978	female	immature	new shell	24.2158736	0	9.98590312
1978	female	mature	new shell	114.85839	0	3.14836431
1978	female	mature	old shell	30.4874184	0	9.67371923
1979	female	immature	new shell	49.6742649	0	4.04433965
1979	female	mature	new shell	61.4551205	0	7.36194106
1979	female	mature	old shell	22.2022545	0	13.4393119
1980	female	immature	new shell	122.727189	0	3.33564821
1980	female	mature	new shell	13.2603825	0	15.2137851
1980	female	mature	old shell	18.9497064	0	14.8018199
1981	female	immature	new shell	46.3871471	0	9.81426653
1981	female	mature	new shell	9.91637595	0	31.2632196
1981	female	mature	old shell	68.9710355	0	5.74396134
1982	female	immature	new shell	41.5569866	0	16.7713964
1982	female	mature	new shell	8.97676116	0	25.1591958
1982	female	mature	old shell	29.1694143	0	9.11124836
1983	female	immature	new shell	52.1008706	0	5.8738314
1983	female	mature	new shell	52.0984886	0	8.53579795
1983	female	mature	old shell	109.644734	0	2.56162469
1984	female	immature	new shell	38.0156452	0	5.26665491
1984	female	mature	new shell	34.138836	0	6.55660172
1984	female	mature	old shell	233.461971	0	2.08949479
1985	female	immature	new shell	159.450847	0	3.9054748
1985	female	mature	new shell	10.8685863	0	42.3232141
1985	female	mature	old shell	297.121068	0	2.48733238
1986	female	immature	new shell	78.9278114	0	5.528064
1986	female	mature	new shell	6.270743	0	38.9737842
1986	female	mature	old shell	28.3205014	0	11.1789942
1987	female	immature	new shell	18.4161686	0	33.2092947
1987	female	mature	new shell	34.9668866	0	11.2538526
1987	female	mature	old shell	20.8414335	0	18.8105064
1988	female	immature	new shell	118.857502	0	5.44489752
1988	female	mature	new shell	15.8534076	0	22.1527856
1988	female	mature	old shell	32.721163	0	10.8154512
1989	female	immature	new shell	43.5355627	0	5.97710745
1989	female	mature	new shell	25.8671052	0	11.8482586
1989	female	mature	old shell	43.1780911	0	10.1588394
1990	female	immature	new shell	63.3969853	0	5.11060883
1990	female	mature	new shell	216.670761	0	1.69958051

1990	female	mature	old shell	37.8704661	0	9.91004643
1991	female	immature	new shell	21.7612999	0	13.6229687
1991	female	mature	new shell	107.743366	0	2.50377095
1991	female	mature	old shell	138.69606	0	3.10804875
1992	female	immature	new shell	31.3586521	0	13.2957385
1992	female	mature	new shell	78.9814797	0	5.19268073
1992	female	mature	old shell	126.469338	0	2.80093122
1993	female	immature	new shell	57.3163285	0	8.0745879
1993	female	mature	new shell	32.5687346	0	7.97107292
1993	female	mature	old shell	175.753652	0	2.03544001
1994	female	immature	new shell	27.4630351	0	11.5356012
1994	female	mature	new shell	39.014471	0	9.91688411
1994	female	mature	old shell	207.298373	0	2.00626641
1995	female	immature	new shell	75.9305909	0	6.56087737
1995	female	mature	new shell	27.4681682	0	14.0685065
1995	female	mature	old shell	429.670626	0	0.88428222
1996	female	immature	new shell	67.4139153	0	7.47356844
1996	female	mature	new shell	25.1661807	0	11.4174436
1996	female	mature	old shell	190.009679	0	1.77544001
1997	female	immature	new shell	57.7083341	0	3.93767862
1997	female	mature	new shell	78.8545929	0	3.7343491
1997	female	mature	old shell	166.349884	0	2.52375038
1998	female	immature	new shell	388.758373	0	1.22908031
1998	female	mature	new shell	45.3746073	0	7.38881044
1998	female	mature	old shell	178.737084	0	2.90542011
1999	female	immature	new shell	51.4466458	0	6.55559929
1999	female	mature	new shell	14.0411415	0	16.7582084
1999	female	mature	old shell	118.453101	0	2.51832647
2000	female	immature	new shell	103.903466	0	2.30494495
2000	female	mature	new shell	26.7458709	0	9.85357042
2000	female	mature	old shell	26.5571084	0	12.4505049
2001	female	immature	new shell	175.590709	0	1.96858644
2001	female	mature	new shell	127.490965	0	4.92834657
2001	female	mature	old shell	41.5999494	0	6.13320454
2002	female	immature	new shell	56.4288354	0	5.01931828
2002	female	mature	new shell	44.7298453	0	7.75796314
2002	female	mature	old shell	66.9644214	0	3.41104807
2003	female	immature	new shell	89.4510486	0	3.69308272
2003	female	mature	new shell	164.517503	0	2.19177284
2003	female	mature	old shell	54.5269049	0	8.4386067
2004	female	immature	new shell	53.2085735	0	7.15880293

2004	female	mature	new shell	160.3615	0	1.3961073
2004	female	mature	old shell	43.5595313	0	9.8993778
2005	female	immature	new shell	350.777326	0	1.95426143
2005	female	mature	new shell	122.709873	0	3.63724454
2005	female	mature	old shell	342.357602	0	2.53065733
2006	female	immature	new shell	51.015073	0	7.34393834
2006	female	mature	new shell	177.080929	0	2.34730378
2006	female	mature	old shell	171.600224	0	2.93350401
2007	female	immature	new shell	108.858788	0	4.0451318
2007	female	mature	new shell	45.4731765	0	7.7016786
2007	female	mature	old shell	652.039198	0	0.70489829
2008	female	immature	new shell	114.858933	0	3.28869635
2008	female	mature	new shell	109.933651	0	4.50581144
2008	female	mature	old shell	470.895386	0	0.89703372
2009	female	immature	new shell	24.1303455	0	9.93722739
2009	female	mature	new shell	30.2755679	0	6.86163725
2009	female	mature	old shell	610.699275	0	0.67522689
2010	female	immature	new shell	78.5659496	0	4.93815232
2010	female	mature	new shell	206.715935	0	1.94322952
2010	female	mature	old shell	747.723396	0	0.65471681
2011	female	immature	new shell	56.9818639	0	6.97716895
2011	female	mature	new shell	25.3052589	0	8.78269089
2011	female	mature	old shell	175.118093	0	2.44666936
2012	female	immature	new shell	58.9518698	0	6.73096445
2012	female	mature	new shell	29.7451513	0	7.5859217
2012	female	mature	old shell	213.769772	0	1.50688668
2013	female	immature	new shell	90.7887856	0	5.29076778
2013	female	mature	new shell	496.842096	0	1.04714708
2013	female	mature	old shell	50.2971565	0	5.82502309
2014	female	immature	new shell	20.2827572	0	19.6229747
2014	female	mature	new shell	62.5881327	0	3.47980165
2014	female	mature	old shell	61.412691	0	5.28278522
2015	female	immature	new shell	66.8509668	0	6.84814578
2015	female	mature	new shell	17.5765361	0	13.2849948
2015	female	mature	old shell	184.951728	0	1.9801293
2016	female	immature	new shell	39.6982311	0	10.8208942
2016	female	mature	new shell	62.8070784	0	8.16393628
2016	female	mature	old shell	69.6812203	0	3.84605174
2017	female	immature	new shell	15.3042858	0	12.8627575
2017	female	mature	new shell	32.835968	0	16.0328221
2017	female	mature	old shell	112.235607	0	1.96568728

all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.22374612	20	0.95118417
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	22.6814792	1	19.4425211
	1981	male	all maturity st	all shell condi	1335.97928	1	0.37982205
	1982	male	all maturity st	all shell condi	774.807417	1	0.58688753
	1983	male	all maturity st	all shell condi	41.3000747	1	1.24975265
	1984	male	all maturity st	all shell condi	586.106862	1	0.15010506
	1988	male	all maturity st	all shell condi	140.564725	1	3.87348925
	1989	male	all maturity st	all shell condi	1246.71024	1	0.08389745
	1990	male	all maturity st	all shell condi	219.412523	1	5.63365099
	1991	male	all maturity st	all shell condi	176.721083	1	5.37178483
	1992	male	all maturity st	all shell condi	102.573394	1	7.55897681
	1993	male	all maturity st	all shell condi	164.679902	1	4.33094873
	1994	male	all maturity st	all shell condi	322.160575	1	3.50837677
	1995	male	all maturity st	all shell condi	88.5239456	1	0.45199425
	1996	male	all maturity st	all shell condi	198.707324	1	0.73037993
	2005	male	all maturity st	all shell condi	14.7913207	1	1.30564642
	2006	male	all maturity st	all shell condi	282.871919	1	0.29623608
	2007	male	all maturity st	all shell condi	1319.51125	1	0.16602528
	2008	male	all maturity st	all shell condi	934.905544	1	0.18403012
	2009	male	all maturity st	all shell condi	113.688211	1	0.54114977
	2013	male	all maturity st	all shell condi	646.585783	1	0.28275654
	2014	male	all maturity st	all shell condi	238.812095	1	2.68947368
	2015	male	all maturity st	all shell condi	181.867509	1	5.98638722
all		male	all maturity st	all shell condi	0.20181201	20	0.26473256
all		female	all maturity st	all shell condi	0.48908139	20	1.55480392
	1991	male	all maturity st	all shell condi	763.419396	1	1.77547029
	1991	female	all maturity st	all shell condi	571.626827	1	1.26752951
	1992	male	all maturity st	all shell condi	122.521649	1	17.2385186
	1992	female	all maturity st	all shell condi	418.886495	1	0.58278592
	1993	male	all maturity st	all shell condi	185.08173	1	8.79598751
	1993	female	all maturity st	all shell condi	349.988616	1	0.9941813
	1994	male	all maturity st	all shell condi	186.119561	1	1.90504589
	1994	female	all maturity st	all shell condi	61.7291574	1	1.26971373
	1995	male	all maturity st	all shell condi	617.420404	1	0.40544045
	1995	female	all maturity st	all shell condi	100.067583	1	0.86795887
	1996	male	all maturity st	all shell condi	34.2039723	1	1.22219822
	1996	female	all maturity st	all shell condi	256.093625	1	0.05479659
	2005	male	all maturity st	all shell condi	103.092284	1	13.6593427

	2005	female	all maturity st	all shell condi	40.3162199	1	0.93632042
	2006	male	all maturity st	all shell condi	291.287053	1	3.76507439
	2006	female	all maturity st	all shell condi	428.234086	1	0.77061714
	2007	male	all maturity st	all shell condi	418.549897	1	4.60379752
	2007	female	all maturity st	all shell condi	315.139339	1	0.37912638
	2008	male	all maturity st	all shell condi	1057.27646	1	1.89176181
	2008	female	all maturity st	all shell condi	45.9611205	1	0.31834102
	2009	male	all maturity st	all shell condi	161.865248	1	5.25256689
	2009	female	all maturity st	all shell condi	23.9229542	1	0.18231004
	2013	male	all maturity st	all shell condi	1639.381	1	0.80949818
	2013	female	all maturity st	all shell condi	65.2091752	1	0.59627292
	2014	male	all maturity st	all shell condi	218.567265	1	10.1552784
	2014	female	all maturity st	all shell condi	183.590148	1	0.19842941
	2015	male	all maturity st	all shell condi	137.527783	1	12.7852744
	2015	female	all maturity st	all shell condi	74.5707226	1	1.08172116
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.04517249	20	0.02550692
all		female	all maturity st	all shell condi	0.32201308	20	1.29615533
	1992	male	all maturity st	all shell condi	173.656438	1	2.98165565
	1992	female	all maturity st	all shell condi	19.0079514	1	0.94655156
	1993	male	all maturity st	all shell condi	113.114973	1	3.11924215
	1993	female	all maturity st	all shell condi	31.096726	1	1.18209969
	1994	male	all maturity st	all shell condi	38.3012926	1	3.22809209
	1994	female	all maturity st	all shell condi	40.9162273	1	1.83204429
	1995	male	all maturity st	all shell condi	84.0027928	1	0.98954053
	1995	female	all maturity st	all shell condi	44.0168208	1	0.26887918
	1996	male	all maturity st	all shell condi	279.004725	1	1.74376119
	1996	female	all maturity st	all shell condi	47.7849156	1	0.40177457
	1997	male	all maturity st	all shell condi	435.806691	1	1.09438494
	1997	female	all maturity st	all shell condi	114.983791	1	0.18882577
	1998	male	all maturity st	all shell condi	568.719775	1	0.23774992
	1998	female	all maturity st	all shell condi	21.0864295	1	0.31615174
	1999	male	all maturity st	all shell condi	103.222738	1	0.41623586
	1999	female	all maturity st	all shell condi	29.777291	1	0.07040279
	2000	male	all maturity st	all shell condi	208.418165	1	0.31257235
	2000	female	all maturity st	all shell condi	30.2244285	1	0.09879166
	2001	male	all maturity st	all shell condi	436.430909	1	0.31932748
	2001	female	all maturity st	all shell condi	115.000118	1	0.06248847
	2002	male	all maturity st	all shell condi	67.3646868	1	0.73454988
	2002	female	all maturity st	all shell condi	45.3220182	1	0.06427765

	2003	male	all maturity st	all shell condi	127.944322	1	0.36975796
	2003	female	all maturity st	all shell condi	44.2759974	1	0.1001695
	2004	male	all maturity st	all shell condi	24.9807276	1	1.7876932
	2004	female	all maturity st	all shell condi	30.7211114	1	0.81807953
	2005	male	all maturity st	all shell condi	123.152076	1	4.47438053
	2005	female	all maturity st	all shell condi	154.714644	1	0.12343819
	2006	male	all maturity st	all shell condi	75.9375627	1	5.95692755
	2006	female	all maturity st	all shell condi	52.4843495	1	1.02784357
	2007	male	all maturity st	all shell condi	381.705481	1	2.17213923
	2007	female	all maturity st	all shell condi	45.52124	1	0.40518158
	2008	male	all maturity st	all shell condi	96.9860357	1	6.87333805
	2008	female	all maturity st	all shell condi	14.9373931	1	2.18432327
	2009	male	all maturity st	all shell condi	484.691888	1	1.99518286
	2009	female	all maturity st	all shell condi	20.999044	1	0.91481143
	2010	male	all maturity st	all shell condi	379.513857	1	1.27389972
	2010	female	all maturity st	all shell condi	75.3933202	1	0.17647215
	2011	male	all maturity st	all shell condi	219.738221	1	3.20891454
	2011	female	all maturity st	all shell condi	63.180058	1	0.16111743
	2012	male	all maturity st	all shell condi	223.01159	1	2.53713615
	2012	female	all maturity st	all shell condi	45.9727173	1	0.17817759
	2013	male	all maturity st	all shell condi	249.632677	1	2.62932845
	2013	female	all maturity st	all shell condi	211.83666	1	0.07264344
	2014	male	all maturity st	all shell condi	518.099136	1	2.58936273
	2014	female	all maturity st	all shell condi	66.9213769	1	0.38073901
	2015	male	all maturity st	all shell condi	502.413399	1	1.98463917
	2015	female	all maturity st	all shell condi	106.736173	1	0.09249528
	2016	male	all maturity st	all shell condi	441.410409	1	2.39365154
	2016	female	all maturity st	all shell condi	113.465815	1	0.09141905
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.03665751	20	0.029563
	1973	male	all maturity st	all shell condi	174.483748	1	-1.406165
	1973	female	all maturity st	all shell condi	274.092227	1	4.31872847
	1974	male	all maturity st	all shell condi	629.099711	1	-1.0796079
	1974	female	all maturity st	all shell condi	256.982143	1	2.48654767
	1975	male	all maturity st	all shell condi	368.766616	1	-0.3884123
	1975	female	all maturity st	all shell condi	290.913461	1	1.40752212
	1976	male	all maturity st	all shell condi	219.502547	1	-6.8776833
	1976	female	all maturity st	all shell condi	131.334738	1	17.8827162
	1977	male	all maturity st	all shell condi	268.163564	1	-1.9368921
	1977	female	all maturity st	all shell condi	390.948332	1	11.8168409
	1978	male	all maturity st	all shell condi	260.703315	1	-2.6236264

1978	female	all maturity st	all shell condi	208.109367	1	19.7132854
1979	male	all maturity st	all shell condi	700.886015	1	0.56445108
1979	female	all maturity st	all shell condi	1067.87794	1	6.48729942
1980	male	all maturity st	all shell condi	906.487239	1	8.56360721
1980	female	all maturity st	all shell condi	371.669995	1	-2.8570099
1981	male	all maturity st	all shell condi	1083.72975	1	-1.1841854
1981	female	all maturity st	all shell condi	56.7004537	1	10.3380662
1982	male	all maturity st	all shell condi	526.597595	1	10.5829262
1982	female	all maturity st	all shell condi	63.388371	1	13.0432256
1983	male	all maturity st	all shell condi	346.500968	1	31.0474527
1983	female	all maturity st	all shell condi	136.733275	1	-10.926738
1984	male	all maturity st	all shell condi	397.44395	1	37.445148
1984	female	all maturity st	all shell condi	247.167396	1	-18.099853
1985	male	all maturity st	all shell condi	179.678715	1	26.1294047
1985	female	all maturity st	all shell condi	279.537042	1	-6.8429578
1986	male	all maturity st	all shell condi	329.268209	1	11.2641373
1986	female	all maturity st	all shell condi	216.62137	1	-1.1177481
1987	male	all maturity st	all shell condi	289.777503	1	4.29628638
1987	female	all maturity st	all shell condi	588.996464	1	12.3008036
1988	male	all maturity st	all shell condi	439.337281	1	-1.9326078
1988	female	all maturity st	all shell condi	227.617034	1	13.0582055
1989	male	all maturity st	all shell condi	790.677706	1	-18.307813
1989	female	all maturity st	all shell condi	537.294465	1	29.3870143
1990	male	all maturity st	all shell condi	956.310487	1	8.51495972
1990	female	all maturity st	all shell condi	319.708345	1	-0.3202202
1991	male	all maturity st	all shell condi	331.909099	1	-0.5383114
1991	female	all maturity st	all shell condi	195.855822	1	7.57224894
1992	male	all maturity st	all shell condi	196.998964	1	4.44923109
1992	female	all maturity st	all shell condi	69.3419007	1	2.78163595
1993	male	all maturity st	all shell condi	80.7565074	1	3.68424033
1993	female	all maturity st	all shell condi	94.3395851	1	-0.4163923
1994	male	all maturity st	all shell condi	221.21317	1	2.59450259
1994	female	all maturity st	all shell condi	471.6903	1	1.29578439
1995	male	all maturity st	all shell condi	62.4495796	1	8.93419494
1995	female	all maturity st	all shell condi	65.3165785	1	4.74668509
1996	male	all maturity st	all shell condi	189.582546	1	9.72665573
1996	female	all maturity st	all shell condi	575.652303	1	-2.5371997
1997	male	all maturity st	all shell condi	49.5887539	1	20.2585276
1997	female	all maturity st	all shell condi	197.595332	1	4.91309033
1998	male	all maturity st	all shell condi	122.316792	1	7.25320377
1998	female	all maturity st	all shell condi	331.777952	1	6.86734978

	1999	male	all maturity st	all shell condi	520.207003	1	3.20010636
	1999	female	all maturity st	all shell condi	1182.25103	1	2.19726916
	2000	male	all maturity st	all shell condi	582.050533	1	4.26291104
	2000	female	all maturity st	all shell condi	951.161718	1	-0.0978259
	2001	male	all maturity st	all shell condi	719.117831	1	8.41122842
	2001	female	all maturity st	all shell condi	1076.40438	1	-3.5205675
	2002	male	all maturity st	all shell condi	391.722582	1	9.87927497
	2002	female	all maturity st	all shell condi	873.829363	1	-0.1178145
	2003	male	all maturity st	all shell condi	196.076348	1	4.78867203
	2003	female	all maturity st	all shell condi	295.972881	1	5.28050719
	2004	male	all maturity st	all shell condi	110.63331	1	-2.7172758
	2004	female	all maturity st	all shell condi	30.7206081	1	40.4315692
	2005	male	all maturity st	all shell condi	1516.99443	1	2.97726773
	2005	female	all maturity st	all shell condi	1912.83626	1	0.74235383
	2006	male	all maturity st	all shell condi	180.065148	1	12.6918749
	2006	female	all maturity st	all shell condi	136.999559	1	3.95203783
	2007	male	all maturity st	all shell condi	167.804136	1	10.2240973
	2007	female	all maturity st	all shell condi	83.5305577	1	10.5515223
	2008	male	all maturity st	all shell condi	173.874328	1	25.8543244
	2008	female	all maturity st	all shell condi	156.876053	1	-8.1161571
	2009	male	all maturity st	all shell condi	314.110667	1	12.7880589
	2009	female	all maturity st	all shell condi	491.206909	1	-6.7190464
	2010	male	all maturity st	all shell condi	648.960711	1	4.50671928
	2010	female	all maturity st	all shell condi	1870.49588	1	-1.7584495
	2011	male	all maturity st	all shell condi	79.7903717	1	9.89781274
	2011	female	all maturity st	all shell condi	64.8283597	1	22.8627775
	2012	male	all maturity st	all shell condi	443.605307	1	-9.3397351
	2012	female	all maturity st	all shell condi	102.117051	1	15.7453893
	2013	male	all maturity st	all shell condi	381.748946	1	-1.6925163
	2013	female	all maturity st	all shell condi	424.068167	1	13.6167484
	2014	male	all maturity st	all shell condi	1026.89934	1	9.01970506
	2014	female	all maturity st	all shell condi	748.796108	1	-5.3655727
	2015	male	all maturity st	all shell condi	214.437384	1	14.3776174
	2015	female	all maturity st	all shell condi	195.518729	1	4.44621459
	2016	male	all maturity st	all shell condi	240.253499	1	-6.4868073
	2016	female	all maturity st	all shell condi	52.5794968	1	26.2853383
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.02556377	20	0.00751532
all		female	all maturity st	all shell condi	0.00780771	20	0.00070104
	1992	male	all maturity st	all shell condi	74.5222415	1	1.76364501

1992	female	all maturity st	all shell condi	83.7550652	1	0.12748013
1993	male	all maturity st	all shell condi	105.135801	1	3.07827664
1993	female	all maturity st	all shell condi	297.398259	1	0.29224806
1996	male	all maturity st	all shell condi	45.4676218	1	0.14480738
1996	female	all maturity st	all shell condi	3.47271029	1	0.03197308
1997	male	all maturity st	all shell condi	14.5775527	1	3.54721635
1997	female	all maturity st	all shell condi	32.3329292	1	0.05008839
1998	male	all maturity st	all shell condi	39.67798	1	0.53938377
1998	female	all maturity st	all shell condi	21.5661835	1	0.07076386
1999	male	all maturity st	all shell condi	55.4608028	1	0.24913999
1999	female	all maturity st	all shell condi	18.501453	1	0.02541656
2000	male	all maturity st	all shell condi	158.5245	1	0.56880356
2000	female	all maturity st	all shell condi	41.450399	1	0.05870502
2001	male	all maturity st	all shell condi	118.684392	1	0.25620327
2001	female	all maturity st	all shell condi	50.1095429	1	0.04069132
2002	male	all maturity st	all shell condi	91.8733248	1	0.48382195
2002	female	all maturity st	all shell condi	31.5791826	1	0.05568905
2003	male	all maturity st	all shell condi	60.902262	1	0.57503365
2003	female	all maturity st	all shell condi	50.2438167	1	0.09315931
2004	male	all maturity st	all shell condi	32.3220347	1	0.78548624
2004	female	all maturity st	all shell condi	18.9997654	1	0.06262916
2005	male	all maturity st	all shell condi	49.4517259	1	1.36035413
2005	female	all maturity st	all shell condi	12.8102496	1	0.17021647
2006	male	all maturity st	all shell condi	24.223727	1	1.85970247
2006	female	all maturity st	all shell condi	23.86594	1	0.26732256
2007	male	all maturity st	all shell condi	103.404541	1	0.85485631
2007	female	all maturity st	all shell condi	103.091503	1	0.08760837
2008	male	all maturity st	all shell condi	55.3807069	1	3.15252759
2008	female	all maturity st	all shell condi	93.0512504	1	0.12762893
2009	male	all maturity st	all shell condi	18.5010646	1	9.35597887
2009	female	all maturity st	all shell condi	107.2389	1	0.05152632
2010	male	all maturity st	all shell condi	54.1938007	1	0.71514518
2010	female	all maturity st	all shell condi	36.11163	1	0.04417083
2011	male	all maturity st	all shell condi	74.572561	1	0.26816722
2011	female	all maturity st	all shell condi	6.0008299	1	0.01919202
2012	male	all maturity st	all shell condi	72.5460743	1	0.57876942
2012	female	all maturity st	all shell condi	6.97110378	1	0.20785823
2013	male	all maturity st	all shell condi	82.4712548	1	1.24890032
2013	female	all maturity st	all shell condi	9.7815857	1	0.17799639
2014	male	all maturity st	all shell condi	153.24518	1	1.24980197
2014	female	all maturity st	all shell condi	19.0931949	1	0.07430775

2015	male	all maturity st	all shell condi	247.905779	1	0.55917401
2015	female	all maturity st	all shell condi	86.2831758	1	0.07290038
2016	male	all maturity st	all shell condi	27.6067983	1	5.61963477
2016	female	all maturity st	all shell condi	19.2230699	1	0.52508513
2015	male	immature	new shell	0.53827485	1	81.7776018
2016	male	immature	new shell	0.53827485	1	107.551648
2015	female	immature	new shell	0.29359806	1	67.4244422
2016	female	immature	new shell	0.29359806	1	57.855375
1994	male	immature	new shell	0.6123608	0	11.3308451
1995	male	immature	new shell	0.6123608	0	30.9413724
1996	male	immature	new shell	0.6123608	0	304.548754
1997	male	immature	new shell	0.6123608	0	489.19015
1998	male	immature	new shell	0.6123608	0	574.706893
1999	male	immature	new shell	0.6123608	0	462.302849
2000	male	immature	new shell	0.6123608	0	661.069482
2001	male	immature	new shell	0.6123608	0	784.579174
2002	male	immature	new shell	0.6123608	0	851.224025
2003	male	immature	new shell	0.6123608	0	320.584129
2004	male	immature	new shell	0.6123608	0	181.487111
2005	male	immature	new shell	0.6123608	0	116.605919
2006	male	immature	new shell	0.6123608	0	14.8019252
2011	male	immature	new shell	0.6123608	0	1.90359959
2012	male	immature	new shell	0.6123608	0	2.9922341
1994	female	immature	new shell	0.44114974	0	13.9306798
1995	female	immature	new shell	0.44114974	0	13.6135239
1996	female	immature	new shell	0.44114974	0	204.903674
1997	female	immature	new shell	0.44114974	0	157.349364
1998	female	immature	new shell	0.44114974	0	216.122165
1999	female	immature	new shell	0.44114974	0	271.929809
2000	female	immature	new shell	0.44114974	0	520.447729
2001	female	immature	new shell	0.44114974	0	516.509113
2002	female	immature	new shell	0.44114974	0	327.359359
2003	female	immature	new shell	0.44114974	0	84.8979134
2004	female	immature	new shell	0.44114974	0	91.0177283
2005	female	immature	new shell	0.44114974	0	23.5635169
2006	female	immature	new shell	0.44114974	0	7.43531448
2012	female	immature	new shell	0.44114974	0	2.24917068
1990	male		new shell	941.403282	0	312.874569
1991	male		new shell	941.403282	0	245.332024
1992	male		new shell	941.403282	0	51.410842
1993	male		new shell	941.403282	0	105.595606

	1994	male		new shell	941.403282	0	45.3007643
	1995	male		new shell	941.403282	0	27.1107785
	1997	male		new shell	941.403282	0	6.28846333
	1998	male		new shell	941.403282	0	110.040672
	1999	male		new shell	941.403282	0	19.1354556
	2000	male		new shell	941.403282	0	119.597509
	2001	male		new shell	941.403282	0	80.6661146
	2002	male		new shell	941.403282	0	47.7570285
	2003	male		new shell	941.403282	0	38.7954989
	2004	male		new shell	941.403282	0	52.8173485
	2005	male		new shell	941.403282	0	134.286796
	2008	male		new shell	941.403282	0	151.677349
	2010	male		new shell	941.403282	0	246.038412
	2012	male		new shell	941.403282	0	35.6174056
	2014	male		new shell	941.403282	0	100.379779
	2016	male		new shell	941.403282	0	36.0610107
	2017	male		new shell	941.403282	0	66.9528359
all		male	immature	new shell	0.09975135	1	1956.90128
all		male	mature	new shell	0.09975135	1	1956.90128
all		male	immature	old shell	0.09975135	1	1956.90128
all		male	mature	old shell	0.09975135	1	1956.90128
all		female	immature	new shell	0.09975135	1	1956.90128
all		female	mature	new shell	0.09975135	1	1956.90128
all		female	immature	old shell	0.09975135	1	1956.90128
all		female	mature	old shell	0.09975135	1	1956.90128
all		male	immature	new shell	0.09975135	1	26087.2421
all		male	mature	new shell	0.09975135	1	26087.2421
all		male	immature	old shell	0.09975135	1	26087.2421
all		male	mature	old shell	0.09975135	1	26087.2421
all		female	immature	new shell	0.09975135	1	26087.2421
all		female	mature	new shell	0.09975135	1	26087.2421
all		female	immature	old shell	0.09975135	1	26087.2421
all		female	mature	old shell	0.09975135	1	26087.2421
all		male	immature	all shell condi	3.49601118	0	262.775025
all		male	mature	all shell condi	2.49611265	0	133.957435
all		female	immature	all shell condi	3.08615276	0	204.773285
all		female	mature	all shell condi	2.60099338	0	145.451081
all		male	mature	all shell condi	2.28418928	1	112.176694
all		female	mature	all shell condi	2.31998446	1	115.72005
	1975	male	immature	all shell condi	296.949443	1	18.9586356
	1975	male	mature	all shell condi	98.5260036	1	41.062703

1975	female	immature	all shell condi	133.016848	1	7.85947084
1975	female	mature	all shell condi	60.6368808	1	-13.864243
1976	male	immature	all shell condi	224.575133	1	18.1026273
1976	male	mature	all shell condi	297.576032	1	5.23505271
1976	female	immature	all shell condi	190.953052	1	8.8825884
1976	female	mature	all shell condi	100.394482	1	-4.4970846
1977	male	immature	all shell condi	321.27823	1	0.17727238
1977	male	mature	all shell condi	274.54519	1	-0.4545273
1977	female	immature	all shell condi	57.3520291	1	30.7249272
1977	female	mature	all shell condi	190.563784	1	0.39955858
1978	male	immature	all shell condi	240.197825	1	-3.2233964
1978	male	mature	all shell condi	291.340668	1	11.8884323
1978	female	immature	all shell condi	86.279428	1	13.8094874
1978	female	mature	all shell condi	280.628434	1	2.07351391
1979	male	immature	all shell condi	289.602378	1	5.8822781
1979	male	mature	all shell condi	389.095022	1	-1.2862152
1979	female	immature	all shell condi	294.41793	1	-7.3863171
1979	female	mature	all shell condi	128.309097	1	19.7377869
1980	male	immature	all shell condi	130.461806	1	21.4240018
1980	male	mature	all shell condi	265.237549	1	-7.1093728
1980	female	immature	all shell condi	1017.76937	1	-2.2788339
1980	female	mature	all shell condi	89.9213342	1	9.43741187
1981	male	immature	all shell condi	373.509993	1	9.0908059
1981	male	mature	all shell condi	530.55636	1	-7.8584562
1981	female	immature	all shell condi	160.588955	1	-6.6803295
1981	female	mature	all shell condi	41.9990885	1	40.9142904
1982	male	immature	all shell condi	161.774016	1	-9.7509027
1982	male	mature	all shell condi	250.208814	1	-9.6639154
1982	female	immature	all shell condi	118.459334	1	-7.5396861
1982	female	mature	all shell condi	8.92222214	1	117.040233
1983	male	immature	all shell condi	227.386545	1	0.4105069
1983	male	mature	all shell condi	473.918906	1	-0.0862272
1983	female	immature	all shell condi	238.004487	1	4.48960015
1983	female	mature	all shell condi	158.914766	1	15.6522313
1984	male	immature	all shell condi	236.54097	1	-15.685739
1984	male	mature	all shell condi	184.905823	1	17.8748684
1984	female	immature	all shell condi	159.571482	1	-6.6940413
1984	female	mature	all shell condi	87.9759719	1	27.6907335
1985	male	immature	all shell condi	136.532437	1	-17.830551
1985	male	mature	all shell condi	69.8252989	1	36.678525
1985	female	immature	all shell condi	119.300169	1	-17.737017

1985	female	mature	all shell condi	68.628832	1	37.0343443
1986	male	immature	all shell condi	319.550869	1	5.37553445
1986	male	mature	all shell condi	82.0317182	1	27.0773646
1986	female	immature	all shell condi	197.445113	1	-4.9759108
1986	female	mature	all shell condi	158.978184	1	-1.1613684
1987	male	immature	all shell condi	142.183749	1	6.58261887
1987	male	mature	all shell condi	518.028468	1	6.72203046
1987	female	immature	all shell condi	49.1173143	1	52.336886
1987	female	mature	all shell condi	126.589791	1	-6.5400065
1988	male	immature	all shell condi	435.990867	1	1.91099103
1988	male	mature	all shell condi	486.680988	1	9.60475831
1988	female	immature	all shell condi	284.583129	1	-5.7231263
1988	female	mature	all shell condi	115.74126	1	13.5292848
1989	male	immature	all shell condi	272.779528	1	8.12739859
1989	male	mature	all shell condi	2292.97012	1	1.44464179
1989	female	immature	all shell condi	112.796264	1	15.6596863
1989	female	mature	all shell condi	142.186405	1	-6.9020574
1990	male	immature	all shell condi	1062.22403	1	-0.0578603
1990	male	mature	all shell condi	1024.76804	1	-5.4653791
1990	female	immature	all shell condi	302.63307	1	5.54967381
1990	female	mature	all shell condi	384.970074	1	9.06327143
1991	male	immature	all shell condi	380.385427	1	5.38885345
1991	male	mature	all shell condi	1626.9488	1	-6.4486933
1991	female	immature	all shell condi	159.224704	1	5.13744522
1991	female	mature	all shell condi	849.232516	1	7.92430995
1992	male	immature	all shell condi	1022.78329	1	8.30932123
1992	male	mature	all shell condi	844.166204	1	4.3104498
1992	female	immature	all shell condi	336.262876	1	1.22006766
1992	female	mature	all shell condi	940.551967	1	-4.2474782
1993	male	immature	all shell condi	569.963194	1	14.6028633
1993	male	mature	all shell condi	697.421682	1	11.0865329
1993	female	immature	all shell condi	631.482822	1	1.78855842
1993	female	mature	all shell condi	199.653612	1	-16.554283
1994	male	immature	all shell condi	420.038306	1	6.88190016
1994	male	mature	all shell condi	794.552667	1	4.96573324
1994	female	immature	all shell condi	94.1787342	1	16.4205644
1994	female	mature	all shell condi	272.489745	1	-13.30013
1995	male	immature	all shell condi	288.283294	1	-5.2646872
1995	male	mature	all shell condi	768.514933	1	3.3790921
1995	female	immature	all shell condi	376.990628	1	-3.1642851
1995	female	mature	all shell condi	210.114445	1	18.8882707

1996	male	immature	all shell condi	447.323775	1	-3.0874357
1996	male	mature	all shell condi	653.197895	1	5.95912637
1996	female	immature	all shell condi	306.030118	1	-1.9862733
1996	female	mature	all shell condi	353.21338	1	10.3359064
1997	male	immature	all shell condi	471.081414	1	2.4035556
1997	male	mature	all shell condi	733.930673	1	-2.7681077
1997	female	immature	all shell condi	102.408909	1	19.3556358
1997	female	mature	all shell condi	494.630967	1	-7.1645268
1998	male	immature	all shell condi	410.284052	1	8.92089173
1998	male	mature	all shell condi	1037.22818	1	-0.2131944
1998	female	immature	all shell condi	475.5654	1	13.3357687
1998	female	mature	all shell condi	172.051713	1	-9.9441439
1999	male	immature	all shell condi	148.316247	1	10.9488495
1999	male	mature	all shell condi	405.196992	1	6.30073443
1999	female	immature	all shell condi	145.18627	1	8.60815923
1999	female	mature	all shell condi	432.612045	1	-3.9003722
2000	male	immature	all shell condi	244.102826	1	1.66486603
2000	male	mature	all shell condi	652.389488	1	9.72299834
2000	female	immature	all shell condi	368.105461	1	0.05877055
2000	female	mature	all shell condi	284.794554	1	-0.4060823
2001	male	immature	all shell condi	406.98763	1	6.35150996
2001	male	mature	all shell condi	1099.25402	1	-2.2147253
2001	female	immature	all shell condi	288.042578	1	12.9633476
2001	female	mature	all shell condi	367.509943	1	-4.8007273
2002	male	immature	all shell condi	213.423106	1	3.60341557
2002	male	mature	all shell condi	795.33857	1	1.23912445
2002	female	immature	all shell condi	117.711108	1	16.4284244
2002	female	mature	all shell condi	878.570771	1	-3.9992094
2003	male	immature	all shell condi	348.198249	1	1.94517647
2003	male	mature	all shell condi	657.298082	1	6.13167547
2003	female	immature	all shell condi	284.841916	1	-5.5649269
2003	female	mature	all shell condi	256.899124	1	10.2473101
2004	male	immature	all shell condi	218.384233	1	-1.0127541
2004	male	mature	all shell condi	242.739871	1	20.813221
2004	female	immature	all shell condi	133.658129	1	12.7250032
2004	female	mature	all shell condi	339.216572	1	-4.3727575
2005	male	immature	all shell condi	465.477456	1	-1.6898253
2005	male	mature	all shell condi	1012.79695	1	-1.1960969
2005	female	immature	all shell condi	250.463661	1	18.9266765
2005	female	mature	all shell condi	1289.7099	1	-3.3708998
2006	male	immature	all shell condi	337.887007	1	8.86175477

2006	male	mature	all shell condi	376.048825	1	5.8992149
2006	female	immature	all shell condi	200.568401	1	9.77060829
2006	female	mature	all shell condi	537.581931	1	-6.3594434
2007	male	immature	all shell condi	248.861351	1	23.6102233
2007	male	mature	all shell condi	232.523909	1	10.0492756
2007	female	immature	all shell condi	651.844274	1	0.19664121
2007	female	mature	all shell condi	153.967918	1	-11.817963
2008	male	immature	all shell condi	485.05746	1	10.6284416
2008	male	mature	all shell condi	305.871779	1	9.75087007
2008	female	immature	all shell condi	773.7908	1	-0.9396655
2008	female	mature	all shell condi	659.529199	1	-7.3013063
2009	male	immature	all shell condi	102.812365	1	3.63165171
2009	male	mature	all shell condi	290.122859	1	12.3209902
2009	female	immature	all shell condi	88.0386661	1	2.25492177
2009	female	mature	all shell condi	1257.72924	1	3.94874957
2010	male	immature	all shell condi	231.383999	1	-0.9706608
2010	male	mature	all shell condi	358.393565	1	14.3337983
2010	female	immature	all shell condi	214.79283	1	-0.8320653
2010	female	mature	all shell condi	7333.37278	1	-1.1437671
2011	male	immature	all shell condi	374.076192	1	8.00930613
2011	male	mature	all shell condi	855.761995	1	0.88509382
2011	female	immature	all shell condi	177.440439	1	13.3237312
2011	female	mature	all shell condi	296.819787	1	-5.64545
2012	male	immature	all shell condi	382.918418	1	14.5496332
2012	male	mature	all shell condi	330.239511	1	4.48988319
2012	female	immature	all shell condi	226.438229	1	0.92409807
2012	female	mature	all shell condi	513.320542	1	-2.6842579
2013	male	immature	all shell condi	958.719013	1	7.48122268
2013	male	mature	all shell condi	281.480981	1	9.1524295
2013	female	immature	all shell condi	434.225866	1	-1.3334257
2013	female	mature	all shell condi	991.72117	1	-1.8327227
2014	male	immature	all shell condi	534.45999	1	11.4897855
2014	male	mature	all shell condi	274.172578	1	8.22954488
2014	female	immature	all shell condi	116.870478	1	11.9934798
2014	female	mature	all shell condi	344.991603	1	-8.8517184
2015	male	immature	all shell condi	1096.9107	1	7.42275626
2015	male	mature	all shell condi	538.809743	1	3.71266215
2015	female	immature	all shell condi	520.320501	1	2.47290844
2015	female	mature	all shell condi	536.483198	1	-1.9152863
2016	male	immature	all shell condi	485.123182	1	8.0529071
2016	male	mature	all shell condi	187.74615	1	20.5879179

	2016	female	immature	all shell condi	335.628375	1	1.63299602
	2016	female	mature	all shell condi	308.782618	1	-8.6922428
	2017	male	immature	all shell condi	95.5580191	1	-3.6600788
	2017	male	mature	all shell condi	165.323698	1	23.290822
	2017	female	immature	all shell condi	67.3751336	1	7.99015249
	2017	female	mature	all shell condi	790.632219	1	1.41807291
all		male	all maturity st	new shell	3.72520543	0	298.358844
all		male	all maturity st	old shell	4.5988069	0	454.704035
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	3.21699663	0	222.504947
all		male	all maturity st	old shell	4.14705279	0	369.758007
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
	1975	male	all maturity st	new shell	53.52688	0	31.5456496
	1975	male	all maturity st	old shell	36.9451067	0	29.7190023
	1976	male	all maturity st	new shell	58.9010314	0	23.1007772
	1976	male	all maturity st	old shell	25.867895	0	45.1934815
	1977	male	all maturity st	new shell	75.9398377	0	22.5659789
	1977	male	all maturity st	old shell	92.8720086	0	18.2194617
	1978	male	all maturity st	new shell	71.1942019	0	19.9766146
	1978	male	all maturity st	old shell	46.4334656	0	33.6825431
	1979	male	all maturity st	new shell	172.038594	0	5.1564413
	1979	male	all maturity st	old shell	24.7680302	0	70.5863043
	1980	male	all maturity st	new shell	92.8358913	0	9.16472462
	1980	male	all maturity st	old shell	18.6674273	0	103.854163
	1981	male	all maturity st	new shell	69.1162639	0	16.8179863
	1981	male	all maturity st	old shell	20.0454881	0	62.3107209
	1982	male	all maturity st	new shell	37.2430329	0	30.4695838
	1982	male	all maturity st	old shell	194.885776	0	5.38197615
	1983	male	all maturity st	new shell	75.176638	0	13.9944022
	1983	male	all maturity st	old shell	57.9013232	0	18.5941319
	1984	male	all maturity st	new shell	157.680398	0	4.48839214
	1984	male	all maturity st	old shell	52.0106282	0	20.0665257
	1985	male	all maturity st	new shell	70.0496701	0	18.7553141
	1985	male	all maturity st	old shell	44.218358	0	24.730938
	1986	male	all maturity st	new shell	79.779807	0	14.5894587
	1986	male	all maturity st	old shell	65.6104035	0	12.5904797
	1987	male	all maturity st	new shell	55.7183132	0	14.4737951
	1987	male	all maturity st	old shell	184.654362	0	6.62170315
	1988	male	all maturity st	new shell	104.594971	0	9.82871935

1988	male	all maturity st	old shell	240.617189	0 6.92445129
1989	male	all maturity st	new shell	157.500044	0 7.18908853
1989	male	all maturity st	old shell	144.023084	0 9.01235116
1990	male	all maturity st	new shell	524.045671	0 2.67648107
1990	male	all maturity st	old shell	405.781547	0 3.45959053
1991	male	all maturity st	new shell	236.288497	0 4.85162579
1991	male	all maturity st	old shell	563.489473	0 1.754793
1992	male	all maturity st	new shell	253.663606	0 5.06410091
1992	male	all maturity st	old shell	171.575422	0 5.54318671
1993	male	all maturity st	new shell	237.725777	0 5.04331395
1993	male	all maturity st	old shell	293.115865	0 2.84044433
1994	male	all maturity st	new shell	208.223462	0 4.874695
1994	male	all maturity st	old shell	176.556702	0 6.14758559
1995	male	all maturity st	new shell	81.4612634	0 10.6581702
1995	male	all maturity st	old shell	140.314764	0 11.0986482
1996	male	all maturity st	new shell	104.952396	0 12.4492179
1996	male	all maturity st	old shell	92.1912753	0 11.8190019
1997	male	all maturity st	new shell	134.026152	0 8.16345355
1997	male	all maturity st	old shell	158.55063	0 9.02679284
1998	male	all maturity st	new shell	267.173247	0 3.75614571
1998	male	all maturity st	old shell	155.181703	0 5.94540658
1999	male	all maturity st	new shell	62.4797642	0 14.5551256
1999	male	all maturity st	old shell	77.0208355	0 11.7538674
2000	male	all maturity st	new shell	130.845133	0 5.36530174
2000	male	all maturity st	old shell	134.356335	0 8.11471781
2001	male	all maturity st	new shell	196.471009	0 5.25059499
2001	male	all maturity st	old shell	278.105269	0 4.64855105
2002	male	all maturity st	new shell	78.9630351	0 10.3609063
2002	male	all maturity st	old shell	161.429155	0 4.79803255
2003	male	all maturity st	new shell	142.181293	0 6.89784472
2003	male	all maturity st	old shell	193.458302	0 5.00256889
2004	male	all maturity st	new shell	103.953574	0 8.65565552
2004	male	all maturity st	old shell	37.7082051	0 80.927249
2005	male	all maturity st	new shell	219.306261	0 5.52956727
2005	male	all maturity st	old shell	140.479344	0 7.83808243
2006	male	all maturity st	new shell	128.997992	0 9.84882452
2006	male	all maturity st	old shell	188.538375	0 7.28645815
2007	male	all maturity st	new shell	244.57731	0 6.29204939
2007	male	all maturity st	old shell	96.9571893	0 16.858365
2008	male	all maturity st	new shell	179.032782	0 6.53182689
2008	male	all maturity st	old shell	60.7684026	0 19.0734139

	2009	male	all maturity st	new shell	33.2442734	0	19.6299128
	2009	male	all maturity st	old shell	64.5030998	0	14.7258205
	2010	male	all maturity st	new shell	53.5543621	0	19.4251134
	2010	male	all maturity st	old shell	94.5068169	0	11.1270368
	2011	male	all maturity st	new shell	147.990863	0	4.86128813
	2011	male	all maturity st	old shell	121.030677	0	7.97203103
	2012	male	all maturity st	new shell	195.090782	0	4.58552333
	2012	male	all maturity st	old shell	150.786935	0	8.7195737
	2013	male	all maturity st	new shell	174.501982	0	7.20702095
	2013	male	all maturity st	old shell	100.71852	0	15.5906267
	2014	male	all maturity st	new shell	220.134747	0	6.20606493
	2014	male	all maturity st	old shell	122.332973	0	9.06954124
	2015	male	all maturity st	new shell	336.026718	0	5.32839316
	2015	male	all maturity st	old shell	164.807575	0	7.37614091
	2016	male	all maturity st	new shell	137.074149	0	10.486272
	2016	male	all maturity st	old shell	113.288885	0	10.5175376
	2017	male	all maturity st	new shell	27.8590977	0	14.4550357
	2017	male	all maturity st	old shell	117.056328	0	9.26173563
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.08615276	0	204.773285
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.68969948	0	155.541391
all		female	mature	old shell	3.17968612	0	217.373683
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	2.90362341	0	181.267122
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.641483	0	150.014797
all		female	mature	old shell	2.82997789	0	172.188659
	1975	female	immature	new shell	14.6030269	0	30.7589513
	1975	female	mature	new shell	55.5875032	0	5.2177108
	1975	female	mature	old shell	8.41179946	0	31.1793083
	1976	female	immature	new shell	39.5283153	0	8.78854945
	1976	female	mature	new shell	59.597541	0	5.80490396
	1976	female	mature	old shell	9.15136714	0	31.455411
	1977	female	immature	new shell	32.2516211	0	9.00240109

1977	female	mature	new shell	37.2856008	0	10.2917035
1977	female	mature	old shell	22.95645	0	14.0139181
1978	female	immature	new shell	24.3910321	0	9.96893024
1978	female	mature	new shell	115.304634	0	3.14737072
1978	female	mature	old shell	30.3948842	0	9.70784705
1979	female	immature	new shell	50.0579289	0	4.01427242
1979	female	mature	new shell	57.9983375	0	7.58076691
1979	female	mature	old shell	22.2111684	0	13.4315518
1980	female	immature	new shell	123.433664	0	3.3045372
1980	female	mature	new shell	13.4151328	0	15.0707692
1980	female	mature	old shell	19.2114311	0	14.6185186
1981	female	immature	new shell	49.0566953	0	9.13777856
1981	female	mature	new shell	9.92977849	0	31.2421978
1981	female	mature	old shell	69.8524613	0	5.65229479
1982	female	immature	new shell	41.7552204	0	16.6163483
1982	female	mature	new shell	8.79698918	0	25.8023035
1982	female	mature	old shell	28.8497652	0	9.21008205
1983	female	immature	new shell	55.4294906	0	5.40889034
1983	female	mature	new shell	53.5360636	0	8.33531679
1983	female	mature	old shell	108.639296	0	2.58116267
1984	female	immature	new shell	38.5863203	0	5.14800656
1984	female	mature	new shell	36.1113151	0	6.19237549
1984	female	mature	old shell	232.554162	0	2.10251973
1985	female	immature	new shell	157.109135	0	4.00607725
1985	female	mature	new shell	10.5993179	0	43.4151925
1985	female	mature	old shell	296.197802	0	2.50821601
1986	female	immature	new shell	78.6885255	0	5.5692291
1986	female	mature	new shell	6.15708428	0	39.826956
1986	female	mature	old shell	28.1762234	0	11.2558681
1987	female	immature	new shell	18.4500765	0	33.1247837
1987	female	mature	new shell	34.426181	0	11.4619299
1987	female	mature	old shell	20.7004273	0	18.9586179
1988	female	immature	new shell	120.282507	0	5.38440554
1988	female	mature	new shell	15.8383744	0	22.2261823
1988	female	mature	old shell	32.3059037	0	10.9565576
1989	female	immature	new shell	43.104834	0	6.05680912
1989	female	mature	new shell	25.799993	0	11.8812558
1989	female	mature	old shell	42.7816331	0	10.2714434
1990	female	immature	new shell	63.3648472	0	5.10845893
1990	female	mature	new shell	216.207373	0	1.70718633
1990	female	mature	old shell	37.5870637	0	9.99918994

1991	female	immature	new shell	21.825412	0	13.5745355
1991	female	mature	new shell	107.481606	0	2.51222714
1991	female	mature	old shell	137.569156	0	3.14360496
1992	female	immature	new shell	30.9730182	0	13.482039
1992	female	mature	new shell	79.1284631	0	5.16956102
1992	female	mature	old shell	125.952921	0	2.82078313
1993	female	immature	new shell	56.5286186	0	8.21109512
1993	female	mature	new shell	32.7914595	0	7.91647256
1993	female	mature	old shell	175.499605	0	2.04485916
1994	female	immature	new shell	27.4931804	0	11.5860129
1994	female	mature	new shell	38.7584066	0	9.9627867
1994	female	mature	old shell	206.714139	0	2.01731249
1995	female	immature	new shell	76.1714676	0	6.5304408
1995	female	mature	new shell	27.0969111	0	14.201339
1995	female	mature	old shell	429.617922	0	0.88808247
1996	female	immature	new shell	67.8177394	0	7.41754909
1996	female	mature	new shell	25.3789832	0	11.3518494
1996	female	mature	old shell	190.211132	0	1.78024651
1997	female	immature	new shell	57.3144019	0	3.98654864
1997	female	mature	new shell	79.5188514	0	3.72196598
1997	female	mature	old shell	166.383539	0	2.53016339
1998	female	immature	new shell	387.929395	0	1.23820029
1998	female	mature	new shell	45.3661818	0	7.40310166
1998	female	mature	old shell	179.008246	0	2.91491988
1999	female	immature	new shell	50.2647633	0	6.64329637
1999	female	mature	new shell	14.1065299	0	16.701909
1999	female	mature	old shell	118.171829	0	2.5287305
2000	female	immature	new shell	104.27469	0	2.2987222
2000	female	mature	new shell	26.793521	0	9.84920288
2000	female	mature	old shell	26.6235628	0	12.4391756
2001	female	immature	new shell	175.471344	0	1.97029731
2001	female	mature	new shell	127.10653	0	4.9012715
2001	female	mature	old shell	41.5988788	0	6.15321308
2002	female	immature	new shell	56.5113623	0	5.01341216
2002	female	mature	new shell	44.3443222	0	7.77915878
2002	female	mature	old shell	67.0240079	0	3.39930787
2003	female	immature	new shell	91.2541058	0	3.63904407
2003	female	mature	new shell	164.510409	0	2.19356059
2003	female	mature	old shell	54.7191688	0	8.37743213
2004	female	immature	new shell	52.0272798	0	7.31121851
2004	female	mature	new shell	162.940439	0	1.37816811

	2004	female	mature	old shell	43.7493168	0	9.83030603
	2005	female	immature	new shell	346.583857	0	1.98600199
	2005	female	mature	new shell	121.378934	0	3.64927353
	2005	female	mature	old shell	342.259614	0	2.51088375
	2006	female	immature	new shell	50.7877058	0	7.36647686
	2006	female	mature	new shell	181.012378	0	2.31859648
	2006	female	mature	old shell	172.643259	0	2.90729475
	2007	female	immature	new shell	108.406285	0	4.06682561
	2007	female	mature	new shell	45.5517435	0	7.63363571
	2007	female	mature	old shell	651.471235	0	0.70582772
	2008	female	immature	new shell	115.058391	0	3.29893844
	2008	female	mature	new shell	111.974219	0	4.43549394
	2008	female	mature	old shell	470.063878	0	0.90182541
	2009	female	immature	new shell	24.4173434	0	9.8164077
	2009	female	mature	new shell	30.2067462	0	6.87261347
	2009	female	mature	old shell	607.322851	0	0.6833127
	2010	female	immature	new shell	78.6186961	0	4.87386225
	2010	female	mature	new shell	213.775503	0	1.90932394
	2010	female	mature	old shell	749.910617	0	0.65929145
	2011	female	immature	new shell	56.4615682	0	7.02418429
	2011	female	mature	new shell	25.6417172	0	8.69060282
	2011	female	mature	old shell	176.217289	0	2.44761659
	2012	female	immature	new shell	58.5906699	0	6.77486421
	2012	female	mature	new shell	29.4516362	0	7.66984722
	2012	female	mature	old shell	216.8945	0	1.49594332
	2013	female	immature	new shell	89.4842439	0	5.40364092
	2013	female	mature	new shell	488.171715	0	1.06795785
	2013	female	mature	old shell	50.2985957	0	5.83110761
	2014	female	immature	new shell	19.9104468	0	19.9864008
	2014	female	mature	new shell	63.5608573	0	3.4175075
	2014	female	mature	old shell	61.1445921	0	5.31538793
	2015	female	immature	new shell	66.0083641	0	6.97740075
	2015	female	mature	new shell	17.6589645	0	13.2174307
	2015	female	mature	old shell	185.291681	0	1.98290207
	2016	female	immature	new shell	39.5578588	0	10.8939082
	2016	female	mature	new shell	60.9823909	0	8.29385986
	2016	female	mature	old shell	69.5530611	0	3.85101053
	2017	female	immature	new shell	15.1207935	0	13.0727426
	2017	female	mature	new shell	32.9264815	0	15.97725
	2017	female	mature	old shell	111.312683	0	1.98542486
all		male	all maturity st	all shell condi	0	0	0

all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.22449259	20	0.95754154
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	22.611183	1	19.5325059
	1981	male	all maturity st	all shell condi	1340.5763	1	0.37804956
	1982	male	all maturity st	all shell condi	817.597866	1	0.55983524
	1983	male	all maturity st	all shell condi	41.7006749	1	1.24019073
	1984	male	all maturity st	all shell condi	579.037839	1	0.14923431
	1988	male	all maturity st	all shell condi	140.991922	1	3.8620441
	1989	male	all maturity st	all shell condi	1266.08949	1	0.08297633
	1990	male	all maturity st	all shell condi	221.782847	1	5.61212004
	1991	male	all maturity st	all shell condi	175.797928	1	5.38784205
	1992	male	all maturity st	all shell condi	102.110875	1	7.59471622
	1993	male	all maturity st	all shell condi	165.063691	1	4.32602734
	1994	male	all maturity st	all shell condi	324.518655	1	3.50012659
	1995	male	all maturity st	all shell condi	88.9874989	1	0.44983052
	1996	male	all maturity st	all shell condi	197.375086	1	0.73197641
	2005	male	all maturity st	all shell condi	14.7932346	1	1.30567957
	2006	male	all maturity st	all shell condi	281.847542	1	0.29705946
	2007	male	all maturity st	all shell condi	1320.31994	1	0.16627872
	2008	male	all maturity st	all shell condi	930.279041	1	0.1840509
	2009	male	all maturity st	all shell condi	112.830717	1	0.54515262
	2013	male	all maturity st	all shell condi	642.328326	1	0.28424136
	2014	male	all maturity st	all shell condi	239.195214	1	2.68573274
	2015	male	all maturity st	all shell condi	182.105103	1	5.980432
all		male	all maturity st	all shell condi	0.20219939	20	0.26574986
all		female	all maturity st	all shell condi	0.48913775	20	1.5551623
	1991	male	all maturity st	all shell condi	770.91849	1	1.76144313
	1991	female	all maturity st	all shell condi	564.218213	1	1.27527127
	1992	male	all maturity st	all shell condi	122.865619	1	17.2296075
	1992	female	all maturity st	all shell condi	417.692167	1	0.58405213
	1993	male	all maturity st	all shell condi	184.819124	1	8.81499204
	1993	female	all maturity st	all shell condi	347.468144	1	0.99820103
	1994	male	all maturity st	all shell condi	183.504761	1	1.92872853
	1994	female	all maturity st	all shell condi	61.5419517	1	1.27132348
	1995	male	all maturity st	all shell condi	612.234347	1	0.40650171
	1995	female	all maturity st	all shell condi	99.4507433	1	0.87283994
	1996	male	all maturity st	all shell condi	34.1146125	1	1.22261185
	1996	female	all maturity st	all shell condi	257.729721	1	0.05469748
	2005	male	all maturity st	all shell condi	103.021716	1	13.6596241
	2005	female	all maturity st	all shell condi	40.3422286	1	0.93580285

	2006	male	all maturity st	all shell condi	290.428387	1	3.76777194
	2006	female	all maturity st	all shell condi	426.59362	1	0.77230619
	2007	male	all maturity st	all shell condi	417.556256	1	4.6086474
	2007	female	all maturity st	all shell condi	315.497574	1	0.38019239
	2008	male	all maturity st	all shell condi	1044.90288	1	1.90231754
	2008	female	all maturity st	all shell condi	46.0207604	1	0.31818687
	2009	male	all maturity st	all shell condi	160.793356	1	5.28297099
	2009	female	all maturity st	all shell condi	23.8733924	1	0.18254305
	2013	male	all maturity st	all shell condi	1644.55194	1	0.80590271
	2013	female	all maturity st	all shell condi	65.3198955	1	0.59629918
	2014	male	all maturity st	all shell condi	218.771931	1	10.1461454
	2014	female	all maturity st	all shell condi	182.392336	1	0.19930128
	2015	male	all maturity st	all shell condi	137.46809	1	12.7870993
	2015	female	all maturity st	all shell condi	74.4823281	1	1.08074553
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.0450036	20	0.02531655
all		female	all maturity st	all shell condi	0.32193721	20	1.29554461
	1992	male	all maturity st	all shell condi	173.213173	1	2.98502764
	1992	female	all maturity st	all shell condi	19.0575607	1	0.94318561
	1993	male	all maturity st	all shell condi	113.384266	1	3.1135071
	1993	female	all maturity st	all shell condi	31.1932796	1	1.17875063
	1994	male	all maturity st	all shell condi	38.419757	1	3.22119696
	1994	female	all maturity st	all shell condi	40.7485019	1	1.8393539
	1995	male	all maturity st	all shell condi	84.1526122	1	0.98814146
	1995	female	all maturity st	all shell condi	44.1508554	1	0.26868926
	1996	male	all maturity st	all shell condi	279.862676	1	1.7355665
	1996	female	all maturity st	all shell condi	48.2092313	1	0.39853039
	1997	male	all maturity st	all shell condi	434.893929	1	1.09089099
	1997	female	all maturity st	all shell condi	114.724119	1	0.18935476
	1998	male	all maturity st	all shell condi	558.905047	1	0.23995112
	1998	female	all maturity st	all shell condi	21.085174	1	0.31612863
	1999	male	all maturity st	all shell condi	102.820166	1	0.41820371
	1999	female	all maturity st	all shell condi	29.7873789	1	0.070332
	2000	male	all maturity st	all shell condi	207.275626	1	0.31399705
	2000	female	all maturity st	all shell condi	30.2480985	1	0.09876858
	2001	male	all maturity st	all shell condi	432.118106	1	0.32125165
	2001	female	all maturity st	all shell condi	114.20091	1	0.06273332
	2002	male	all maturity st	all shell condi	67.3973552	1	0.7347365
	2002	female	all maturity st	all shell condi	45.3736764	1	0.06421959
	2003	male	all maturity st	all shell condi	128.19135	1	0.36959222

	2003	female	all maturity st	all shell condi	44.1851225	1	0.10018251
	2004	male	all maturity st	all shell condi	24.9852304	1	1.78847075
	2004	female	all maturity st	all shell condi	30.7131758	1	0.81825027
	2005	male	all maturity st	all shell condi	123.272493	1	4.47215271
	2005	female	all maturity st	all shell condi	154.272876	1	0.12338765
	2006	male	all maturity st	all shell condi	75.9364202	1	5.95753126
	2006	female	all maturity st	all shell condi	52.7933965	1	1.02367109
	2007	male	all maturity st	all shell condi	382.261165	1	2.17287014
	2007	female	all maturity st	all shell condi	45.5363898	1	0.4056412
	2008	male	all maturity st	all shell condi	97.0622835	1	6.87087841
	2008	female	all maturity st	all shell condi	14.9695165	1	2.17881616
	2009	male	all maturity st	all shell condi	483.959407	1	1.99580908
	2009	female	all maturity st	all shell condi	20.9925521	1	0.91495398
	2010	male	all maturity st	all shell condi	377.487503	1	1.27935538
	2010	female	all maturity st	all shell condi	75.291798	1	0.17637793
	2011	male	all maturity st	all shell condi	218.869499	1	3.21749273
	2011	female	all maturity st	all shell condi	63.3009279	1	0.16078591
	2012	male	all maturity st	all shell condi	222.733361	1	2.53696474
	2012	female	all maturity st	all shell condi	45.7700945	1	0.17906611
	2013	male	all maturity st	all shell condi	248.937259	1	2.63130901
	2013	female	all maturity st	all shell condi	212.463882	1	0.07244864
	2014	male	all maturity st	all shell condi	517.534229	1	2.59086926
	2014	female	all maturity st	all shell condi	67.43636	1	0.37789398
	2015	male	all maturity st	all shell condi	500.587146	1	1.98900463
	2015	female	all maturity st	all shell condi	106.529449	1	0.09261653
	2016	male	all maturity st	all shell condi	438.713657	1	2.40010732
	2016	female	all maturity st	all shell condi	114.011882	1	0.09114412
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.03683144	20	0.02984421
	1973	male	all maturity st	all shell condi	177.442841	1	-1.3520697
	1973	female	all maturity st	all shell condi	281.912656	1	4.2395878
	1974	male	all maturity st	all shell condi	609.319884	1	-1.0340352
	1974	female	all maturity st	all shell condi	262.921745	1	2.43190938
	1975	male	all maturity st	all shell condi	367.545904	1	-0.3691318
	1975	female	all maturity st	all shell condi	292.905893	1	1.38794024
	1976	male	all maturity st	all shell condi	219.894137	1	-6.9328787
	1976	female	all maturity st	all shell condi	133.525119	1	17.8854233
	1977	male	all maturity st	all shell condi	260.587963	1	-2.0325935
	1977	female	all maturity st	all shell condi	360.415384	1	12.1912824
	1978	male	all maturity st	all shell condi	247.012213	1	-2.3645884
	1978	female	all maturity st	all shell condi	209.115424	1	20.0513295

1979	male	all maturity st	all shell condi	642.513804	1	1.00567649
1979	female	all maturity st	all shell condi	987.238819	1	6.61124874
1980	male	all maturity st	all shell condi	962.247245	1	8.69514322
1980	female	all maturity st	all shell condi	343.115665	1	-2.8614373
1981	male	all maturity st	all shell condi	945.803959	1	-0.9824941
1981	female	all maturity st	all shell condi	54.8573584	1	10.5408301
1982	male	all maturity st	all shell condi	479.416082	1	11.0735682
1982	female	all maturity st	all shell condi	61.509769	1	13.553745
1983	male	all maturity st	all shell condi	330.568442	1	31.3115154
1983	female	all maturity st	all shell condi	134.401162	1	-10.543371
1984	male	all maturity st	all shell condi	387.818359	1	37.1448683
1984	female	all maturity st	all shell condi	242.073033	1	-17.527149
1985	male	all maturity st	all shell condi	177.050834	1	25.8988177
1985	female	all maturity st	all shell condi	288.694844	1	-6.7163308
1986	male	all maturity st	all shell condi	305.966708	1	11.5156126
1986	female	all maturity st	all shell condi	206.395271	1	-0.7878437
1987	male	all maturity st	all shell condi	287.106816	1	4.7763584
1987	female	all maturity st	all shell condi	596.126634	1	11.9836665
1988	male	all maturity st	all shell condi	435.868196	1	-1.7558168
1988	female	all maturity st	all shell condi	226.452298	1	13.0155307
1989	male	all maturity st	all shell condi	779.179604	1	-17.905091
1989	female	all maturity st	all shell condi	551.775929	1	28.9386569
1990	male	all maturity st	all shell condi	962.352049	1	8.71143437
1990	female	all maturity st	all shell condi	324.466714	1	-0.6750716
1991	male	all maturity st	all shell condi	333.790182	1	-0.4844637
1991	female	all maturity st	all shell condi	200.318779	1	7.40878636
1992	male	all maturity st	all shell condi	198.556144	1	4.45175896
1992	female	all maturity st	all shell condi	69.6980755	1	2.71389429
1993	male	all maturity st	all shell condi	80.7531014	1	3.69153836
1993	female	all maturity st	all shell condi	93.9139704	1	-0.4193954
1994	male	all maturity st	all shell condi	220.694967	1	2.63769767
1994	female	all maturity st	all shell condi	476.743241	1	1.26741207
1995	male	all maturity st	all shell condi	62.8861362	1	8.90717445
1995	female	all maturity st	all shell condi	66.0926264	1	4.64248966
1996	male	all maturity st	all shell condi	190.548667	1	9.76467318
1996	female	all maturity st	all shell condi	563.835405	1	-2.5486611
1997	male	all maturity st	all shell condi	49.7013904	1	20.2001292
1997	female	all maturity st	all shell condi	197.744838	1	4.93429451
1998	male	all maturity st	all shell condi	122.607537	1	7.21041359
1998	female	all maturity st	all shell condi	329.845573	1	6.91625484
1999	male	all maturity st	all shell condi	518.777209	1	3.17292958

	1999	female	all maturity st	all shell condi	1173.77576	1	2.24504009
	2000	male	all maturity st	all shell condi	582.415338	1	4.22460352
	2000	female	all maturity st	all shell condi	963.308924	1	-0.0672824
	2001	male	all maturity st	all shell condi	722.939701	1	8.34336142
	2001	female	all maturity st	all shell condi	1080.52007	1	-3.4816114
	2002	male	all maturity st	all shell condi	392.694664	1	9.82453276
	2002	female	all maturity st	all shell condi	870.117117	1	-0.0769939
	2003	male	all maturity st	all shell condi	195.855542	1	4.77662221
	2003	female	all maturity st	all shell condi	293.714721	1	5.3270009
	2004	male	all maturity st	all shell condi	110.468648	1	-2.7219
	2004	female	all maturity st	all shell condi	30.7186484	1	40.4510373
	2005	male	all maturity st	all shell condi	1527.75183	1	2.93712123
	2005	female	all maturity st	all shell condi	1897.29678	1	0.77002805
	2006	male	all maturity st	all shell condi	181.017851	1	12.6347881
	2006	female	all maturity st	all shell condi	137.177559	1	3.96787498
	2007	male	all maturity st	all shell condi	167.993809	1	10.2271217
	2007	female	all maturity st	all shell condi	83.6921139	1	10.5239696
	2008	male	all maturity st	all shell condi	173.399297	1	25.9383057
	2008	female	all maturity st	all shell condi	156.398795	1	-8.1234234
	2009	male	all maturity st	all shell condi	312.617443	1	12.8336823
	2009	female	all maturity st	all shell condi	488.852851	1	-6.7432182
	2010	male	all maturity st	all shell condi	645.843492	1	4.51264271
	2010	female	all maturity st	all shell condi	1851.06125	1	-1.7513597
	2011	male	all maturity st	all shell condi	79.5541254	1	9.93471838
	2011	female	all maturity st	all shell condi	64.4402508	1	22.9698696
	2012	male	all maturity st	all shell condi	442.996219	1	-9.3579049
	2012	female	all maturity st	all shell condi	101.156478	1	15.8088984
	2013	male	all maturity st	all shell condi	381.816338	1	-1.7081411
	2013	female	all maturity st	all shell condi	418.990316	1	13.6751703
	2014	male	all maturity st	all shell condi	1024.08544	1	9.06841717
	2014	female	all maturity st	all shell condi	746.312682	1	-5.3815138
	2015	male	all maturity st	all shell condi	213.490068	1	14.4806321
	2015	female	all maturity st	all shell condi	194.900079	1	4.4212188
	2016	male	all maturity st	all shell condi	239.717569	1	-6.4162367
	2016	female	all maturity st	all shell condi	52.6672515	1	26.2550491
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.02533324	20	0.00738039
all		female	all maturity st	all shell condi	0.00785122	20	0.00070888
	1992	male	all maturity st	all shell condi	75.3558569	1	1.74547666
	1992	female	all maturity st	all shell condi	83.7262673	1	0.12748247

1993	male	all maturity st	all shell condi	106.866192	1	3.02137392
1993	female	all maturity st	all shell condi	300.50288	1	0.29196392
1996	male	all maturity st	all shell condi	45.9684408	1	0.143724
1996	female	all maturity st	all shell condi	3.47505082	1	0.03194691
1997	male	all maturity st	all shell condi	14.6787972	1	3.51981321
1997	female	all maturity st	all shell condi	32.2060239	1	0.0502417
1998	male	all maturity st	all shell condi	40.0138277	1	0.53527846
1998	female	all maturity st	all shell condi	21.5590701	1	0.07075922
1999	male	all maturity st	all shell condi	55.4587506	1	0.24971187
1999	female	all maturity st	all shell condi	18.4731588	1	0.02544271
2000	male	all maturity st	all shell condi	158.442931	1	0.57022842
2000	female	all maturity st	all shell condi	41.3585268	1	0.05877642
2001	male	all maturity st	all shell condi	118.561471	1	0.25695548
2001	female	all maturity st	all shell condi	50.0445299	1	0.04069654
2002	male	all maturity st	all shell condi	92.0143159	1	0.48390114
2002	female	all maturity st	all shell condi	31.6652521	1	0.05561171
2003	male	all maturity st	all shell condi	61.0036813	1	0.57412682
2003	female	all maturity st	all shell condi	50.3151555	1	0.0931509
2004	male	all maturity st	all shell condi	32.3728115	1	0.78427714
2004	female	all maturity st	all shell condi	19.0175544	1	0.06259315
2005	male	all maturity st	all shell condi	49.4407468	1	1.36038587
2005	female	all maturity st	all shell condi	12.8355789	1	0.16989368
2006	male	all maturity st	all shell condi	24.2235738	1	1.85963605
2006	female	all maturity st	all shell condi	23.8817599	1	0.26723025
2007	male	all maturity st	all shell condi	103.189747	1	0.85675781
2007	female	all maturity st	all shell condi	102.982102	1	0.08763832
2008	male	all maturity st	all shell condi	55.409714	1	3.15151187
2008	female	all maturity st	all shell condi	93.2252542	1	0.12758239
2009	male	all maturity st	all shell condi	18.5015319	1	9.35450122
2009	female	all maturity st	all shell condi	107.164874	1	0.05150466
2010	male	all maturity st	all shell condi	54.167117	1	0.71554962
2010	female	all maturity st	all shell condi	36.1476188	1	0.04405636
2011	male	all maturity st	all shell condi	74.5820659	1	0.26832289
2011	female	all maturity st	all shell condi	6.00678236	1	0.01917489
2012	male	all maturity st	all shell condi	72.5333616	1	0.57907983
2012	female	all maturity st	all shell condi	6.99700928	1	0.20693459
2013	male	all maturity st	all shell condi	82.5076733	1	1.24934002
2013	female	all maturity st	all shell condi	9.79004172	1	0.17805125
2014	male	all maturity st	all shell condi	153.401208	1	1.24987277
2014	female	all maturity st	all shell condi	19.0670617	1	0.0744547
2015	male	all maturity st	all shell condi	247.756418	1	0.56017228

2015	female	all maturity st	all shell condi	86.2394815	1	0.07287916
2016	male	all maturity st	all shell condi	27.5989138	1	5.62353421
2016	female	all maturity st	all shell condi	19.2040227	1	0.52596148
2015	male	immature	new shell	0.53905731	1	81.631633
2016	male	immature	new shell	0.53905731	1	107.572707
2015	female	immature	new shell	0.29050192	1	67.2404253
2016	female	immature	new shell	0.29050192	1	57.6288097
1994	male	immature	new shell	0.61404238	0	11.3057194
1995	male	immature	new shell	0.61404238	0	30.9731829
1996	male	immature	new shell	0.61404238	0	304.111817
1997	male	immature	new shell	0.61404238	0	489.525177
1998	male	immature	new shell	0.61404238	0	576.326552
1999	male	immature	new shell	0.61404238	0	462.490962
2000	male	immature	new shell	0.61404238	0	660.40489
2001	male	immature	new shell	0.61404238	0	784.382024
2002	male	immature	new shell	0.61404238	0	852.057675
2003	male	immature	new shell	0.61404238	0	321.382585
2004	male	immature	new shell	0.61404238	0	181.557742
2005	male	immature	new shell	0.61404238	0	116.895185
2006	male	immature	new shell	0.61404238	0	14.8376721
2011	male	immature	new shell	0.61404238	0	1.90083671
2012	male	immature	new shell	0.61404238	0	2.9893514
1994	female	immature	new shell	0.43675989	0	13.8227757
1995	female	immature	new shell	0.43675989	0	13.4736678
1996	female	immature	new shell	0.43675989	0	204.538676
1997	female	immature	new shell	0.43675989	0	156.80395
1998	female	immature	new shell	0.43675989	0	215.358036
1999	female	immature	new shell	0.43675989	0	269.277325
2000	female	immature	new shell	0.43675989	0	516.472005
2001	female	immature	new shell	0.43675989	0	515.025291
2002	female	immature	new shell	0.43675989	0	327.766024
2003	female	immature	new shell	0.43675989	0	84.5946104
2004	female	immature	new shell	0.43675989	0	90.5045246
2005	female	immature	new shell	0.43675989	0	23.5799314
2006	female	immature	new shell	0.43675989	0	7.43618552
2012	female	immature	new shell	0.43675989	0	2.24963631
1990	male		new shell	984.552459	0	312.781994
1991	male		new shell	984.552459	0	245.140698
1992	male		new shell	984.552459	0	51.579976
1993	male		new shell	984.552459	0	105.544819
1994	male		new shell	984.552459	0	45.4221251

	1995	male		new shell	984.552459	0	27.1920404
	1997	male		new shell	984.552459	0	6.28874419
	1998	male		new shell	984.552459	0	110.619282
	1999	male		new shell	984.552459	0	19.2090875
	2000	male		new shell	984.552459	0	119.94776
	2001	male		new shell	984.552459	0	80.7846231
	2002	male		new shell	984.552459	0	47.9111127
	2003	male		new shell	984.552459	0	38.9603265
	2004	male		new shell	984.552459	0	53.0053494
	2005	male		new shell	984.552459	0	134.65378
	2008	male		new shell	984.552459	0	152.362481
	2010	male		new shell	984.552459	0	246.82007
	2012	male		new shell	984.552459	0	35.7102471
	2014	male		new shell	984.552459	0	100.817072
	2016	male		new shell	984.552459	0	36.2415568
	2017	male		new shell	984.552459	0	67.106999
all		male	immature	new shell	0.09975135	1	1967.06536
all		male	mature	new shell	0.09975135	1	1967.06536
all		male	immature	old shell	0.09975135	1	1967.06536
all		male	mature	old shell	0.09975135	1	1967.06536
all		female	immature	new shell	0.09975135	1	1967.06536
all		female	mature	new shell	0.09975135	1	1967.06536
all		female	immature	old shell	0.09975135	1	1967.06536
all		female	mature	old shell	0.09975135	1	1967.06536
all		male	immature	new shell	0.09975135	1	25769.168
all		male	mature	new shell	0.09975135	1	25769.168
all		male	immature	old shell	0.09975135	1	25769.168
all		male	mature	old shell	0.09975135	1	25769.168
all		female	immature	new shell	0.09975135	1	25769.168
all		female	mature	new shell	0.09975135	1	25769.168
all		female	immature	old shell	0.09975135	1	25769.168
all		female	mature	old shell	0.09975135	1	25769.168
all		male	immature	all shell condi	3.52095096	0	266.537557
all		male	mature	all shell condi	2.24659325	0	108.514396
all		female	immature	all shell condi	3.20001365	0	220.161878
all		female	mature	all shell condi	2.5847833	0	143.643751
all		male	mature	all shell condi	2.15904843	1	100.222038
all		female	mature	all shell condi	2.29818799	1	113.555863
	1975	male	immature	all shell condi	168.322967	1	25.4737716
	1975	male	mature	all shell condi	100.264244	1	33.6008807
	1975	female	immature	all shell condi	133.813564	1	9.75379385

1975	female	mature	all shell condi	76.7925158	1	-13.861064
1976	male	immature	all shell condi	262.919881	1	17.8299063
1976	male	mature	all shell condi	228.710692	1	2.09406806
1976	female	immature	all shell condi	187.260603	1	10.14625
1976	female	mature	all shell condi	134.320807	1	-4.1082685
1977	male	immature	all shell condi	136.858001	1	8.38977554
1977	male	mature	all shell condi	221.720755	1	-3.3827061
1977	female	immature	all shell condi	47.2040394	1	34.8951834
1977	female	mature	all shell condi	283.764959	1	0.10186635
1978	male	immature	all shell condi	428.9079	1	1.4361289
1978	male	mature	all shell condi	270.046778	1	7.31503013
1978	female	immature	all shell condi	101.117644	1	11.1780882
1978	female	mature	all shell condi	422.635569	1	1.33434125
1979	male	immature	all shell condi	132.493626	1	18.4332121
1979	male	mature	all shell condi	274.473936	1	-4.9995446
1979	female	immature	all shell condi	276.864038	1	-7.9800139
1979	female	mature	all shell condi	111.186109	1	20.7357938
1980	male	immature	all shell condi	68.9438775	1	36.0707617
1980	male	mature	all shell condi	158.584641	1	-12.213081
1980	female	immature	all shell condi	984.840942	1	-1.4724082
1980	female	mature	all shell condi	72.3030072	1	13.5026038
1981	male	immature	all shell condi	287.834262	1	12.0299215
1981	male	mature	all shell condi	476.340871	1	-10.614518
1981	female	immature	all shell condi	159.964318	1	-6.7671005
1981	female	mature	all shell condi	33.9743107	1	47.7957826
1982	male	immature	all shell condi	180.169586	1	-12.038622
1982	male	mature	all shell condi	402.809347	1	-10.453023
1982	female	immature	all shell condi	116.781227	1	-7.6902473
1982	female	mature	all shell condi	8.14891581	1	122.940117
1983	male	immature	all shell condi	210.187705	1	2.32757788
1983	male	mature	all shell condi	711.016423	1	0.00273232
1983	female	immature	all shell condi	233.50984	1	4.56129924
1983	female	mature	all shell condi	179.011611	1	14.85801
1984	male	immature	all shell condi	275.727077	1	-14.128976
1984	male	mature	all shell condi	159.109854	1	20.0982654
1984	female	immature	all shell condi	143.192952	1	-7.709941
1984	female	mature	all shell condi	95.8223585	1	26.701176
1985	male	immature	all shell condi	163.876599	1	-17.615826
1985	male	mature	all shell condi	56.5923604	1	40.6704136
1985	female	immature	all shell condi	105.113881	1	-19.243855
1985	female	mature	all shell condi	66.779368	1	37.7427553

1986	male	immature	all shell condi	372.614631	1	7.73988663
1986	male	mature	all shell condi	104.449188	1	23.6161173
1986	female	immature	all shell condi	175.16484	1	-5.758999
1986	female	mature	all shell condi	154.883289	1	-0.7661179
1987	male	immature	all shell condi	179.42776	1	8.01770423
1987	male	mature	all shell condi	1379.52849	1	2.05637838
1987	female	immature	all shell condi	48.7906642	1	53.4572226
1987	female	mature	all shell condi	123.955347	1	-6.4087125
1988	male	immature	all shell condi	535.05005	1	4.59411161
1988	male	mature	all shell condi	1054.84343	1	5.40647408
1988	female	immature	all shell condi	262.741571	1	-5.3019523
1988	female	mature	all shell condi	106.608279	1	15.3139059
1989	male	immature	all shell condi	228.204963	1	11.8343628
1989	male	mature	all shell condi	704.670955	1	-1.1525381
1989	female	immature	all shell condi	116.574452	1	16.4962314
1989	female	mature	all shell condi	144.519409	1	-5.944858
1990	male	immature	all shell condi	829.958153	1	2.69983363
1990	male	mature	all shell condi	483.264162	1	-7.7657572
1990	female	immature	all shell condi	259.647911	1	7.37673251
1990	female	mature	all shell condi	296.241111	1	11.9819549
1991	male	immature	all shell condi	292.11456	1	9.67432282
1991	male	mature	all shell condi	511.553056	1	-10.456129
1991	female	immature	all shell condi	135.682805	1	8.70382103
1991	female	mature	all shell condi	573.116236	1	10.7807824
1992	male	immature	all shell condi	542.860307	1	12.4221334
1992	male	mature	all shell condi	245.256099	1	2.68974681
1992	female	immature	all shell condi	259.247739	1	4.90267162
1992	female	mature	all shell condi	949.440134	1	-1.4764959
1993	male	immature	all shell condi	288.951511	1	20.4548814
1993	male	mature	all shell condi	287.814251	1	5.32776841
1993	female	immature	all shell condi	370.567362	1	5.72683775
1993	female	mature	all shell condi	243.304325	1	-14.26873
1994	male	immature	all shell condi	248.22836	1	13.2656088
1994	male	mature	all shell condi	321.928403	1	-1.403721
1994	female	immature	all shell condi	70.7155174	1	20.8089581
1994	female	mature	all shell condi	316.772451	1	-11.449895
1995	male	immature	all shell condi	391.46311	1	-1.535417
1995	male	mature	all shell condi	318.783251	1	-0.3287075
1995	female	immature	all shell condi	432.058367	1	-0.9659335
1995	female	mature	all shell condi	186.54903	1	20.4807275
1996	male	immature	all shell condi	650.856512	1	1.37739407

1996	male	mature	all shell condi	367.313171	1	1.76756923
1996	female	immature	all shell condi	370.500214	1	0.60032123
1996	female	mature	all shell condi	363.439701	1	10.0088175
1997	male	immature	all shell condi	460.132923	1	6.68065498
1997	male	mature	all shell condi	1327.91059	1	-6.222705
1997	female	immature	all shell condi	105.197087	1	19.5550769
1997	female	mature	all shell condi	458.737526	1	-7.3208822
1998	male	immature	all shell condi	197.724639	1	16.6037872
1998	male	mature	all shell condi	2074.91538	1	-4.9670572
1998	female	immature	all shell condi	348.335928	1	16.2007722
1998	female	mature	all shell condi	149.247075	1	-10.610693
1999	male	immature	all shell condi	146.964035	1	15.0693156
1999	male	mature	all shell condi	1397.98694	1	0.93651633
1999	female	immature	all shell condi	172.00572	1	8.41064629
1999	female	mature	all shell condi	374.678657	1	-4.4467781
2000	male	immature	all shell condi	169.321262	1	7.91629331
2000	male	mature	all shell condi	1020.62497	1	5.14744866
2000	female	immature	all shell condi	340.955873	1	1.71632398
2000	female	mature	all shell condi	256.065253	1	-1.1218505
2001	male	immature	all shell condi	285.118063	1	12.0088388
2001	male	mature	all shell condi	909.463728	1	-5.1390053
2001	female	immature	all shell condi	291.902485	1	13.2621197
2001	female	mature	all shell condi	325.227748	1	-5.1012378
2002	male	immature	all shell condi	158.700655	1	9.4531245
2002	male	mature	all shell condi	1596.89088	1	-3.7216232
2002	female	immature	all shell condi	109.445508	1	17.7543654
2002	female	mature	all shell condi	776.046305	1	-4.2509274
2003	male	immature	all shell condi	338.294732	1	6.12960876
2003	male	mature	all shell condi	3150.08575	1	0.96698877
2003	female	immature	all shell condi	234.189935	1	-5.0125164
2003	female	mature	all shell condi	261.959013	1	10.2787687
2004	male	immature	all shell condi	209.654629	1	2.96786684
2004	male	mature	all shell condi	597.639313	1	10.006498
2004	female	immature	all shell condi	156.522408	1	11.2936813
2004	female	mature	all shell condi	354.192121	1	-4.0834972
2005	male	immature	all shell condi	379.818303	1	2.0039082
2005	male	mature	all shell condi	1596.46509	1	-5.1163065
2005	female	immature	all shell condi	246.240194	1	19.0585347
2005	female	mature	all shell condi	1692.10133	1	-2.6139311
2006	male	immature	all shell condi	412.940432	1	10.6291488
2006	male	mature	all shell condi	1544.94971	1	-1.3223609

2006	female	immature	all shell condi	201.110825	1	11.3013072
2006	female	mature	all shell condi	591.010998	1	-5.7683558
2007	male	immature	all shell condi	193.955109	1	27.3216718
2007	male	mature	all shell condi	989.917809	1	1.08814453
2007	female	immature	all shell condi	656.96382	1	0.51008686
2007	female	mature	all shell condi	172.624244	1	-10.440899
2008	male	immature	all shell condi	552.075577	1	13.398037
2008	male	mature	all shell condi	1352.87026	1	0.32394494
2008	female	immature	all shell condi	520.545358	1	3.61479757
2008	female	mature	all shell condi	624.907629	1	-7.408727
2009	male	immature	all shell condi	111.551022	1	5.16007967
2009	male	mature	all shell condi	542.982027	1	8.99440298
2009	female	immature	all shell condi	72.5446677	1	0.98573005
2009	female	mature	all shell condi	954.519356	1	5.18565122
2010	male	immature	all shell condi	297.375708	1	1.33943912
2010	male	mature	all shell condi	383.726825	1	13.1869831
2010	female	immature	all shell condi	194.186357	1	-2.158914
2010	female	mature	all shell condi	5957.32414	1	-0.8745117
2011	male	immature	all shell condi	376.75811	1	10.1356055
2011	male	mature	all shell condi	2501.04103	1	-0.7104058
2011	female	immature	all shell condi	196.259589	1	11.3385523
2011	female	mature	all shell condi	299.459819	1	-5.401731
2012	male	immature	all shell condi	336.752352	1	17.3442049
2012	male	mature	all shell condi	1491.61887	1	-1.5654776
2012	female	immature	all shell condi	246.390182	1	1.62855584
2012	female	mature	all shell condi	479.644546	1	-2.6645166
2013	male	immature	all shell condi	904.750461	1	9.50931859
2013	male	mature	all shell condi	333.794112	1	4.90663288
2013	female	immature	all shell condi	531.594626	1	-1.2212446
2013	female	mature	all shell condi	964.772925	1	-0.8282322
2014	male	immature	all shell condi	383.412479	1	14.7023929
2014	male	mature	all shell condi	551.911998	1	2.5850747
2014	female	immature	all shell condi	104.315705	1	14.0783425
2014	female	mature	all shell condi	367.821049	1	-7.9226853
2015	male	immature	all shell condi	959.556083	1	8.76356078
2015	male	mature	all shell condi	590.369081	1	1.38648237
2015	female	immature	all shell condi	516.995566	1	3.53487399
2015	female	mature	all shell condi	651.157168	1	-1.1961758
2016	male	immature	all shell condi	426.8818	1	10.0480861
2016	male	mature	all shell condi	202.293912	1	18.3587703
2016	female	immature	all shell condi	361.412474	1	2.14068161

	2016	female	mature	all shell condi	352.842742	1	-8.6676213
	2017	male	immature	all shell condi	101.769224	1	-0.9412452
	2017	male	mature	all shell condi	159.518862	1	22.6913734
	2017	female	immature	all shell condi	72.6127919	1	6.54061571
	2017	female	mature	all shell condi	973.961326	1	0.75975716
all		male	all maturity st	new shell	3.62334265	0	282.265157
all		male	all maturity st	old shell	4.84680539	0	505.067733
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	3.08934171	0	205.196693
all		male	all maturity st	old shell	3.80805116	0	311.776954
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
	1975	male	all maturity st	new shell	58.8238389	0	32.760894
	1975	male	all maturity st	old shell	36.0337026	0	31.2955878
	1976	male	all maturity st	new shell	70.557267	0	18.2508254
	1976	male	all maturity st	old shell	23.2112186	0	50.9751967
	1977	male	all maturity st	new shell	49.5080504	0	25.0900913
	1977	male	all maturity st	old shell	84.9533509	0	17.6249289
	1978	male	all maturity st	new shell	115.099119	0	14.850415
	1978	male	all maturity st	old shell	46.8504952	0	30.7616132
	1979	male	all maturity st	new shell	89.9451424	0	10.4992489
	1979	male	all maturity st	old shell	25.8378686	0	58.0630753
	1980	male	all maturity st	new shell	51.1706597	0	17.828321
	1980	male	all maturity st	old shell	23.6007168	0	70.2752206
	1981	male	all maturity st	new shell	64.5864524	0	17.445378
	1981	male	all maturity st	old shell	20.8446681	0	56.4889647
	1982	male	all maturity st	new shell	53.5168783	0	21.6579717
	1982	male	all maturity st	old shell	304.975401	0	5.96213729
	1983	male	all maturity st	new shell	69.9206317	0	14.8071367
	1983	male	all maturity st	old shell	90.0531644	0	15.2658311
	1984	male	all maturity st	new shell	137.785496	0	4.51094894
	1984	male	all maturity st	old shell	63.3157322	0	18.5476613
	1985	male	all maturity st	new shell	88.4959141	0	15.624214
	1985	male	all maturity st	old shell	53.7220669	0	25.8051602
	1986	male	all maturity st	new shell	98.0737784	0	12.1127201
	1986	male	all maturity st	old shell	87.7773918	0	15.7051399
	1987	male	all maturity st	new shell	72.96027	0	11.2773974
	1987	male	all maturity st	old shell	110.598833	0	16.2480898
	1988	male	all maturity st	new shell	135.574946	0	7.86585526
	1988	male	all maturity st	old shell	143.078525	0	13.0567242

1989	male	all maturity st	new shell	133.987678	0	8.42983291
1989	male	all maturity st	old shell	362.636734	0	7.82427543
1990	male	all maturity st	new shell	346.542202	0	4.04436319
1990	male	all maturity st	old shell	197.536565	0	9.02806772
1991	male	all maturity st	new shell	164.665117	0	7.4441938
1991	male	all maturity st	old shell	177.638237	0	9.67247785
1992	male	all maturity st	new shell	181.431278	0	7.08979161
1992	male	all maturity st	old shell	69.4081842	0	16.4582772
1993	male	all maturity st	new shell	334.038197	0	3.75727869
1993	male	all maturity st	old shell	96.7024201	0	10.6651759
1994	male	all maturity st	new shell	220.696174	0	4.5498039
1994	male	all maturity st	old shell	74.2691701	0	13.8938101
1995	male	all maturity st	new shell	86.6560399	0	10.5462852
1995	male	all maturity st	old shell	63.5678524	0	17.2763835
1996	male	all maturity st	new shell	134.237287	0	9.76269654
1996	male	all maturity st	old shell	56.3665187	0	17.5448062
1997	male	all maturity st	new shell	158.803451	0	6.44485673
1997	male	all maturity st	old shell	188.739676	0	11.0362041
1998	male	all maturity st	new shell	159.114544	0	5.4235691
1998	male	all maturity st	old shell	430.09499	0	5.98406991
1999	male	all maturity st	new shell	73.6456533	0	11.9480757
1999	male	all maturity st	old shell	131.504146	0	10.2289719
2000	male	all maturity st	new shell	103.26831	0	6.54231111
2000	male	all maturity st	old shell	125.89567	0	12.8014272
2001	male	all maturity st	new shell	152.78032	0	7.1640586
2001	male	all maturity st	old shell	146.793313	0	13.0029744
2002	male	all maturity st	new shell	63.6051912	0	12.6418258
2002	male	all maturity st	old shell	332.262661	0	7.94492426
2003	male	all maturity st	new shell	148.229353	0	6.67224775
2003	male	all maturity st	old shell	185.757898	0	11.2852373
2004	male	all maturity st	new shell	99.6372537	0	8.78977601
2004	male	all maturity st	old shell	74.5582783	0	25.2034039
2005	male	all maturity st	new shell	165.729216	0	6.85274614
2005	male	all maturity st	old shell	304.198394	0	8.4581181
2006	male	all maturity st	new shell	169.824058	0	7.93836801
2006	male	all maturity st	old shell	221.11811	0	11.5495088
2007	male	all maturity st	new shell	234.575723	0	6.50544407
2007	male	all maturity st	old shell	254.490543	0	11.8892618
2008	male	all maturity st	new shell	432.101943	0	3.45363933
2008	male	all maturity st	old shell	151.12241	0	12.6811519
2009	male	all maturity st	new shell	36.3472103	0	16.9306169

	2009	male	all maturity st	old shell	145.394019	0	9.47355479
	2010	male	all maturity st	new shell	61.7817677	0	17.0385581
	2010	male	all maturity st	old shell	218.332097	0	7.65240955
	2011	male	all maturity st	new shell	179.444822	0	4.0974581
	2011	male	all maturity st	old shell	156.684568	0	11.1040188
	2012	male	all maturity st	new shell	245.943186	0	3.44453073
	2012	male	all maturity st	old shell	119.227079	0	11.6428168
	2013	male	all maturity st	new shell	166.283809	0	6.80017783
	2013	male	all maturity st	old shell	200.699844	0	11.3007146
	2014	male	all maturity st	new shell	248.259883	0	5.82752617
	2014	male	all maturity st	old shell	109.155435	0	12.1006116
	2015	male	all maturity st	new shell	522.64615	0	4.44934563
	2015	male	all maturity st	old shell	141.808597	0	10.2596722
	2016	male	all maturity st	new shell	179.353859	0	8.67479883
	2016	male	all maturity st	old shell	92.3567188	0	13.9815354
	2017	male	all maturity st	new shell	28.4725682	0	14.4223335
	2017	male	all maturity st	old shell	86.303821	0	13.901215
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.20001365	0	220.161878
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.67080073	0	153.363295
all		female	mature	old shell	3.16350353	0	215.166724
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	2.97612031	0	190.43178
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.6174484	0	147.297277
all		female	mature	old shell	2.81822755	0	170.76174
	1975	female	immature	new shell	15.0991486	0	30.5181483
	1975	female	mature	new shell	71.5573117	0	4.53599279
	1975	female	mature	old shell	9.93370798	0	25.6965129
	1976	female	immature	new shell	41.5119836	0	7.45442524
	1976	female	mature	new shell	66.6846377	0	5.26423992
	1976	female	mature	old shell	10.6972516	0	26.9490802
	1977	female	immature	new shell	23.3903069	0	13.0564033
	1977	female	mature	new shell	75.9656501	0	6.5565856

1977	female	mature	old shell	28.5889034	0	11.5057653
1978	female	immature	new shell	27.6399543	0	9.05969468
1978	female	mature	new shell	139.472599	0	2.43295449
1978	female	mature	old shell	41.3836893	0	7.42757604
1979	female	immature	new shell	44.5886214	0	4.90587728
1979	female	mature	new shell	50.4211483	0	8.3633537
1979	female	mature	old shell	27.9262084	0	10.7552822
1980	female	immature	new shell	107.056358	0	4.0777412
1980	female	mature	new shell	12.2123614	0	16.9681743
1980	female	mature	old shell	22.6890766	0	12.1211639
1981	female	immature	new shell	49.1714567	0	8.82978685
1981	female	mature	new shell	9.28661314	0	33.6469672
1981	female	mature	old shell	88.3939438	0	5.20189587
1982	female	immature	new shell	39.8806746	0	16.9642068
1982	female	mature	new shell	9.35061351	0	23.5456053
1982	female	mature	old shell	33.4065532	0	7.83711165
1983	female	immature	new shell	53.3517544	0	6.04083244
1983	female	mature	new shell	47.1916443	0	9.40776465
1983	female	mature	old shell	137.276642	0	2.05244624
1984	female	immature	new shell	35.2082995	0	5.6726437
1984	female	mature	new shell	33.2924183	0	6.72518939
1984	female	mature	old shell	231.013466	0	2.14628164
1985	female	immature	new shell	150.464084	0	4.05578802
1985	female	mature	new shell	10.6001049	0	43.3059684
1985	female	mature	old shell	269.306645	0	2.73980927
1986	female	immature	new shell	72.6337351	0	5.88770731
1986	female	mature	new shell	6.17529911	0	39.7138735
1986	female	mature	old shell	26.3739901	0	12.1184816
1987	female	immature	new shell	18.3481633	0	33.8696267
1987	female	mature	new shell	31.7204187	0	12.1874036
1987	female	mature	old shell	19.6368503	0	20.0262535
1988	female	immature	new shell	104.110151	0	6.13353992
1988	female	mature	new shell	14.3135166	0	24.6030823
1988	female	mature	old shell	30.4504328	0	11.5507415
1989	female	immature	new shell	48.4917338	0	5.38285009
1989	female	mature	new shell	23.6298265	0	13.0448357
1989	female	mature	old shell	39.20279	0	11.1820288
1990	female	immature	new shell	56.6184987	0	6.05194867
1990	female	mature	new shell	229.342941	0	1.60700216
1990	female	mature	old shell	33.9399349	0	11.0295941
1991	female	immature	new shell	19.1908167	0	15.6476272

1991	female	mature	new shell	125.047219	0	2.08318658
1991	female	mature	old shell	113.930627	0	3.70731878
1992	female	immature	new shell	24.3401268	0	16.6351414
1992	female	mature	new shell	80.899857	0	5.08950384
1992	female	mature	old shell	104.880433	0	3.32022507
1993	female	immature	new shell	45.3580474	0	9.83316348
1993	female	mature	new shell	31.8221852	0	8.16493276
1993	female	mature	old shell	158.038063	0	2.36694583
1994	female	immature	new shell	29.0311711	0	10.5087948
1994	female	mature	new shell	32.2184975	0	11.7397655
1994	female	mature	old shell	188.817671	0	2.18845059
1995	female	immature	new shell	69.4774076	0	7.55922295
1995	female	mature	new shell	26.3066997	0	14.3855149
1995	female	mature	old shell	439.647184	0	0.87038082
1996	female	immature	new shell	67.5016044	0	7.6715558
1996	female	mature	new shell	19.5865263	0	14.176443
1996	female	mature	old shell	188.775926	0	1.78211843
1997	female	immature	new shell	58.1616931	0	3.78318531
1997	female	mature	new shell	68.0774309	0	4.13845155
1997	female	mature	old shell	162.898629	0	2.56353923
1998	female	immature	new shell	298.666308	0	1.565437
1998	female	mature	new shell	41.9942941	0	7.75217851
1998	female	mature	old shell	174.013012	0	2.93247133
1999	female	immature	new shell	60.891269	0	5.98832354
1999	female	mature	new shell	13.0710263	0	18.0213589
1999	female	mature	old shell	119.513838	0	2.41001315
2000	female	immature	new shell	100.074424	0	2.40614433
2000	female	mature	new shell	25.008655	0	10.6006072
2000	female	mature	old shell	25.7120862	0	12.7874802
2001	female	immature	new shell	174.221252	0	2.0183994
2001	female	mature	new shell	134.976815	0	4.65662735
2001	female	mature	old shell	40.5825273	0	6.18507979
2002	female	immature	new shell	54.0863366	0	5.17774029
2002	female	mature	new shell	49.6559397	0	7.10662251
2002	female	mature	old shell	64.1311517	0	3.5073924
2003	female	immature	new shell	75.1378411	0	4.21742177
2003	female	mature	new shell	200.644208	0	1.81304301
2003	female	mature	old shell	56.4720231	0	8.17631947
2004	female	immature	new shell	61.132778	0	6.25516874
2004	female	mature	new shell	138.150249	0	1.56320411
2004	female	mature	old shell	43.580264	0	9.68299113

	2005	female	immature	new shell	366.456779	0	1.75428272
	2005	female	mature	new shell	118.573863	0	3.43801236
	2005	female	mature	old shell	365.601591	0	2.35956662
	2006	female	immature	new shell	52.63004	0	7.12172647
	2006	female	mature	new shell	142.799837	0	2.43531473
	2006	female	mature	old shell	195.90438	0	2.56702779
	2007	female	immature	new shell	106.980388	0	3.83619472
	2007	female	mature	new shell	41.909218	0	8.1927561
	2007	female	mature	old shell	546.002331	0	0.71970577
	2008	female	immature	new shell	73.6998003	0	5.78186754
	2008	female	mature	new shell	121.357419	0	4.15915177
	2008	female	mature	old shell	416.354288	0	0.81145214
	2009	female	immature	new shell	21.6207832	0	10.6973365
	2009	female	mature	new shell	34.059322	0	6.01636411
	2009	female	mature	old shell	557.228955	0	0.73253256
	2010	female	immature	new shell	77.5210088	0	5.13988238
	2010	female	mature	new shell	150.832115	0	2.30101258
	2010	female	mature	old shell	617.094018	0	0.67291804
	2011	female	immature	new shell	63.1926717	0	6.48505625
	2011	female	mature	new shell	22.8937844	0	9.65763916
	2011	female	mature	old shell	146.015103	0	2.70521929
	2012	female	immature	new shell	62.0855166	0	6.56585602
	2012	female	mature	new shell	29.1203716	0	7.73413426
	2012	female	mature	old shell	171.756703	0	1.87637795
	2013	female	immature	new shell	105.236162	0	4.27748269
	2013	female	mature	new shell	453.615309	0	1.1518445
	2013	female	mature	old shell	46.6903824	0	6.32400433
	2014	female	immature	new shell	18.8884424	0	21.0818039
	2014	female	mature	new shell	70.8534959	0	3.0414226
	2014	female	mature	old shell	58.0141569	0	5.58551426
	2015	female	immature	new shell	69.6600661	0	6.55486636
	2015	female	mature	new shell	20.4274606	0	11.3065368
	2015	female	mature	old shell	225.96183	0	1.65889819
	2016	female	immature	new shell	42.7977634	0	10.1119331
	2016	female	mature	new shell	84.7832403	0	6.81610818
	2016	female	mature	old shell	83.2568066	0	3.16868438
	2017	female	immature	new shell	16.0253172	0	12.0604681
	2017	female	mature	new shell	30.1577127	0	16.7428665
	2017	female	mature	old shell	136.156724	0	1.60298277
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0

all		male	all maturity st	all shell condi	0.19700313	20	0.73739441
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	21.3517127	1	16.1461692
	1981	male	all maturity st	all shell condi	832.874491	1	0.46589787
	1982	male	all maturity st	all shell condi	554.810271	1	2.06061534
	1983	male	all maturity st	all shell condi	46.5094694	1	1.61907119
	1984	male	all maturity st	all shell condi	241.665923	1	0.81954566
	1988	male	all maturity st	all shell condi	111.571333	1	5.54586071
	1989	male	all maturity st	all shell condi	862.202803	1	0.6091375
	1990	male	all maturity st	all shell condi	346.38172	1	2.60675462
	1991	male	all maturity st	all shell condi	184.589606	1	4.8391971
	1992	male	all maturity st	all shell condi	82.8211916	1	14.0278832
	1993	male	all maturity st	all shell condi	120.691937	1	7.80960178
	1994	male	all maturity st	all shell condi	106.380014	1	10.906149
	1995	male	all maturity st	all shell condi	192.863987	1	0.54306154
	1996	male	all maturity st	all shell condi	155.690755	1	1.34114021
	2005	male	all maturity st	all shell condi	14.8157105	1	1.4564767
	2006	male	all maturity st	all shell condi	157.87434	1	0.87497005
	2007	male	all maturity st	all shell condi	786.598895	1	1.17154118
	2008	male	all maturity st	all shell condi	364.199315	1	0.84821592
	2009	male	all maturity st	all shell condi	89.3251442	1	0.96658205
	2013	male	all maturity st	all shell condi	518.342885	1	0.52090085
	2014	male	all maturity st	all shell condi	339.983587	1	2.61265073
	2015	male	all maturity st	all shell condi	254.535813	1	6.13667294
all		male	all maturity st	all shell condi	0.19457271	20	0.24608052
all		female	all maturity st	all shell condi	0.57970965	20	2.1844113
	1991	male	all maturity st	all shell condi	2927.235	1	0.78555831
	1991	female	all maturity st	all shell condi	547.499399	1	1.29185978
	1992	male	all maturity st	all shell condi	117.895244	1	22.4338159
	1992	female	all maturity st	all shell condi	450.950644	1	0.54205697
	1993	male	all maturity st	all shell condi	242.122283	1	9.9646882
	1993	female	all maturity st	all shell condi	354.47756	1	0.94111834
	1994	male	all maturity st	all shell condi	647.964911	1	0.97687182
	1994	female	all maturity st	all shell condi	57.1863241	1	1.38352165
	1995	male	all maturity st	all shell condi	254.839767	1	1.16508291
	1995	female	all maturity st	all shell condi	83.3001674	1	1.03398204
	1996	male	all maturity st	all shell condi	30.8060913	1	1.40906478
	1996	female	all maturity st	all shell condi	263.904632	1	0.05549557
	2005	male	all maturity st	all shell condi	116.686124	1	14.0927076
	2005	female	all maturity st	all shell condi	39.7902306	1	0.95679756
	2006	male	all maturity st	all shell condi	330.370953	1	4.91457846

	2006	female	all maturity st	all shell condi	441.307308	1	0.77097344
	2007	male	all maturity st	all shell condi	564.825864	1	5.07363985
	2007	female	all maturity st	all shell condi	324.408494	1	0.38036772
	2008	male	all maturity st	all shell condi	650.707788	1	4.90489396
	2008	female	all maturity st	all shell condi	46.467186	1	0.31779437
	2009	male	all maturity st	all shell condi	201.648145	1	6.64713029
	2009	female	all maturity st	all shell condi	23.770849	1	0.18305668
	2013	male	all maturity st	all shell condi	2165.0319	1	1.52048549
	2013	female	all maturity st	all shell condi	65.0117318	1	0.59292617
	2014	male	all maturity st	all shell condi	318.59773	1	8.89520141
	2014	female	all maturity st	all shell condi	181.288278	1	0.20469022
	2015	male	all maturity st	all shell condi	188.865274	1	11.1937453
	2015	female	all maturity st	all shell condi	75.8112005	1	1.05313465
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.08292901	20	0.08596525
all		female	all maturity st	all shell condi	0.31362361	20	1.22949713
	1992	male	all maturity st	all shell condi	447.245481	1	2.0165255
	1992	female	all maturity st	all shell condi	18.8741358	1	0.9365169
	1993	male	all maturity st	all shell condi	208.356067	1	1.87660646
	1993	female	all maturity st	all shell condi	31.9649248	1	1.12979474
	1994	male	all maturity st	all shell condi	80.2553316	1	1.6952779
	1994	female	all maturity st	all shell condi	39.4521554	1	1.90799259
	1995	male	all maturity st	all shell condi	132.377306	1	0.66542504
	1995	female	all maturity st	all shell condi	44.0337096	1	0.26925746
	1996	male	all maturity st	all shell condi	119.389925	1	2.35446033
	1996	female	all maturity st	all shell condi	50.148241	1	0.38022493
	1997	male	all maturity st	all shell condi	393.641494	1	0.97961945
	1997	female	all maturity st	all shell condi	112.203039	1	0.19864266
	1998	male	all maturity st	all shell condi	828.860346	1	0.23818588
	1998	female	all maturity st	all shell condi	22.9431399	1	0.29206709
	1999	male	all maturity st	all shell condi	190.492692	1	0.29010889
	1999	female	all maturity st	all shell condi	32.5431419	1	0.06638223
	2000	male	all maturity st	all shell condi	255.149131	1	0.29759337
	2000	female	all maturity st	all shell condi	33.375768	1	0.0941078
	2001	male	all maturity st	all shell condi	444.343798	1	0.36175386
	2001	female	all maturity st	all shell condi	136.14882	1	0.05910488
	2002	male	all maturity st	all shell condi	51.0443212	1	0.89819127
	2002	female	all maturity st	all shell condi	49.9610234	1	0.06012125
	2003	male	all maturity st	all shell condi	93.6259564	1	0.42954736
	2003	female	all maturity st	all shell condi	48.6796236	1	0.0949868

	2004	male	all maturity st	all shell condi	20.9091565	1	1.96952555
	2004	female	all maturity st	all shell condi	31.7836264	1	0.80813595
	2005	male	all maturity st	all shell condi	113.19593	1	4.73658353
	2005	female	all maturity st	all shell condi	137.278077	1	0.15623512
	2006	male	all maturity st	all shell condi	74.1242429	1	6.05612564
	2006	female	all maturity st	all shell condi	52.9445772	1	1.16161653
	2007	male	all maturity st	all shell condi	329.688264	1	2.38459748
	2007	female	all maturity st	all shell condi	48.1067022	1	0.4310705
	2008	male	all maturity st	all shell condi	91.8536268	1	7.01408742
	2008	female	all maturity st	all shell condi	13.823306	1	2.26001558
	2009	male	all maturity st	all shell condi	448.086543	1	2.06611737
	2009	female	all maturity st	all shell condi	18.0656985	1	1.02210632
	2010	male	all maturity st	all shell condi	318.309633	1	1.46593398
	2010	female	all maturity st	all shell condi	55.6716141	1	0.23319364
	2011	male	all maturity st	all shell condi	195.797924	1	3.33819982
	2011	female	all maturity st	all shell condi	52.3009107	1	0.20836355
	2012	male	all maturity st	all shell condi	192.780791	1	2.85581915
	2012	female	all maturity st	all shell condi	38.7322699	1	0.21666487
	2013	male	all maturity st	all shell condi	265.741761	1	2.52290119
	2013	female	all maturity st	all shell condi	270.684049	1	0.07459213
	2014	male	all maturity st	all shell condi	416.206557	1	3.13336501
	2014	female	all maturity st	all shell condi	46.5259504	1	0.52774196
	2015	male	all maturity st	all shell condi	488.393482	1	2.02396648
	2015	female	all maturity st	all shell condi	113.22885	1	0.09476952
	2016	male	all maturity st	all shell condi	383.22221	1	2.73104878
	2016	female	all maturity st	all shell condi	110.540035	1	0.09742567
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.05244089	20	0.06050103
	1973	male	all maturity st	all shell condi	210.254961	1	-2.8633299
	1973	female	all maturity st	all shell condi	159.871048	1	6.4204625
	1974	male	all maturity st	all shell condi	293.900397	1	-1.8915302
	1974	female	all maturity st	all shell condi	180.382057	1	3.93597855
	1975	male	all maturity st	all shell condi	204.244058	1	-0.6160037
	1975	female	all maturity st	all shell condi	161.447413	1	2.16621556
	1976	male	all maturity st	all shell condi	109.584341	1	-5.1925158
	1976	female	all maturity st	all shell condi	94.6283486	1	22.3164196
	1977	male	all maturity st	all shell condi	190.136134	1	-2.5646921
	1977	female	all maturity st	all shell condi	312.312283	1	15.155155
	1978	male	all maturity st	all shell condi	235.438417	1	-6.6136201
	1978	female	all maturity st	all shell condi	146.587943	1	26.4546666
	1979	male	all maturity st	all shell condi	538.982422	1	-7.5030353

1979	female	all maturity st	all shell condi	541.855268	1	14.6506409
1980	male	all maturity st	all shell condi	559.728142	1	4.02327162
1980	female	all maturity st	all shell condi	851.30774	1	1.30040202
1981	male	all maturity st	all shell condi	678.363747	1	-3.2498967
1981	female	all maturity st	all shell condi	59.7187674	1	12.290512
1982	male	all maturity st	all shell condi	608.944789	1	6.717558
1982	female	all maturity st	all shell condi	66.4701265	1	15.3512776
1983	male	all maturity st	all shell condi	289.471368	1	33.437846
1983	female	all maturity st	all shell condi	138.275566	1	-10.685672
1984	male	all maturity st	all shell condi	372.049546	1	40.3990885
1984	female	all maturity st	all shell condi	238.605496	1	-19.243038
1985	male	all maturity st	all shell condi	191.104128	1	25.2959726
1985	female	all maturity st	all shell condi	284.860216	1	-6.8665156
1986	male	all maturity st	all shell condi	468.458249	1	9.56305518
1986	female	all maturity st	all shell condi	214.481073	1	0.2780063
1987	male	all maturity st	all shell condi	238.6793	1	15.9059696
1987	female	all maturity st	all shell condi	664.511091	1	5.04137366
1988	male	all maturity st	all shell condi	282.998614	1	3.388686
1988	female	all maturity st	all shell condi	219.427223	1	10.3979662
1989	male	all maturity st	all shell condi	584.594778	1	-7.2934458
1989	female	all maturity st	all shell condi	543.045135	1	20.2348099
1990	male	all maturity st	all shell condi	859.693407	1	13.8869003
1990	female	all maturity st	all shell condi	268.083113	1	-4.8580121
1991	male	all maturity st	all shell condi	318.817694	1	0.75433067
1991	female	all maturity st	all shell condi	192.245299	1	7.04573599
1992	male	all maturity st	all shell condi	185.432314	1	4.83470286
1992	female	all maturity st	all shell condi	59.6256515	1	3.31950855
1993	male	all maturity st	all shell condi	69.6268764	1	3.92714918
1993	female	all maturity st	all shell condi	86.7634332	1	-0.4568815
1994	male	all maturity st	all shell condi	206.660966	1	3.01314526
1994	female	all maturity st	all shell condi	384.921414	1	1.16439519
1995	male	all maturity st	all shell condi	61.1725765	1	10.7178955
1995	female	all maturity st	all shell condi	58.3968326	1	4.86799386
1996	male	all maturity st	all shell condi	169.366997	1	12.3625256
1996	female	all maturity st	all shell condi	534.21678	1	-4.1396812
1997	male	all maturity st	all shell condi	47.6704893	1	24.452329
1997	female	all maturity st	all shell condi	166.176287	1	5.64388231
1998	male	all maturity st	all shell condi	114.813075	1	10.2186896
1998	female	all maturity st	all shell condi	286.007578	1	6.98126552
1999	male	all maturity st	all shell condi	388.431263	1	5.4634137
1999	female	all maturity st	all shell condi	1041.27406	1	1.86701952

	2000	male	all maturity st	all shell condi	365.832031	1	6.37415634
	2000	female	all maturity st	all shell condi	736.602336	1	-0.2574334
	2001	male	all maturity st	all shell condi	458.148793	1	10.2108517
	2001	female	all maturity st	all shell condi	1208.47583	1	-3.6857124
	2002	male	all maturity st	all shell condi	399.651001	1	10.2895004
	2002	female	all maturity st	all shell condi	945.27321	1	-0.250212
	2003	male	all maturity st	all shell condi	188.151159	1	4.30518897
	2003	female	all maturity st	all shell condi	327.586497	1	4.81379057
	2004	male	all maturity st	all shell condi	110.441526	1	-2.5415286
	2004	female	all maturity st	all shell condi	30.9496331	1	40.1837793
	2005	male	all maturity st	all shell condi	1223.24576	1	3.99063576
	2005	female	all maturity st	all shell condi	1920.37338	1	0.81672658
	2006	male	all maturity st	all shell condi	206.994741	1	11.760745
	2006	female	all maturity st	all shell condi	144.568752	1	3.59637402
	2007	male	all maturity st	all shell condi	167.051337	1	10.2443057
	2007	female	all maturity st	all shell condi	86.5377821	1	10.6104579
	2008	male	all maturity st	all shell condi	158.653445	1	25.828964
	2008	female	all maturity st	all shell condi	172.388626	1	-7.877853
	2009	male	all maturity st	all shell condi	329.973039	1	12.4785758
	2009	female	all maturity st	all shell condi	551.972913	1	-6.3833218
	2010	male	all maturity st	all shell condi	514.464963	1	5.59336547
	2010	female	all maturity st	all shell condi	1697.72377	1	-2.0324005
	2011	male	all maturity st	all shell condi	79.7425704	1	11.608892
	2011	female	all maturity st	all shell condi	69.2611532	1	21.1670578
	2012	male	all maturity st	all shell condi	351.12248	1	-7.4010729
	2012	female	all maturity st	all shell condi	127.06285	1	13.7072602
	2013	male	all maturity st	all shell condi	235.545318	1	1.53763437
	2013	female	all maturity st	all shell condi	504.900708	1	11.8426221
	2014	male	all maturity st	all shell condi	843.486235	1	9.27068293
	2014	female	all maturity st	all shell condi	809.640441	1	-5.0754929
	2015	male	all maturity st	all shell condi	202.22655	1	14.4248714
	2015	female	all maturity st	all shell condi	209.145109	1	4.79866886
	2016	male	all maturity st	all shell condi	198.996722	1	-5.1917819
	2016	female	all maturity st	all shell condi	52.6940537	1	26.1929275
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.18089222	20	0.37630294
all		female	all maturity st	all shell condi	0.00741299	20	0.00063195
	1992	male	all maturity st	all shell condi	34.8212275	1	2.60016734
	1992	female	all maturity st	all shell condi	82.6446124	1	0.12661591
	1993	male	all maturity st	all shell condi	40.0811985	1	7.55420157

1993	female	all maturity st	all shell condi	283.996678	1	0.28448038
1996	male	all maturity st	all shell condi	18.248503	1	0.30735897
1996	female	all maturity st	all shell condi	3.43057338	1	0.03189143
1997	male	all maturity st	all shell condi	24.5846505	1	1.97593037
1997	female	all maturity st	all shell condi	28.0524166	1	0.05621319
1998	male	all maturity st	all shell condi	66.7306879	1	0.34529625
1998	female	all maturity st	all shell condi	21.4012388	1	0.07019487
1999	male	all maturity st	all shell condi	48.7161964	1	0.31300311
1999	female	all maturity st	all shell condi	18.0642734	1	0.02643228
2000	male	all maturity st	all shell condi	127.542716	1	0.78626785
2000	female	all maturity st	all shell condi	41.0507228	1	0.06156085
2001	male	all maturity st	all shell condi	128.65797	1	0.30494006
2001	female	all maturity st	all shell condi	50.8460931	1	0.03748364
2002	male	all maturity st	all shell condi	100.629982	1	0.51673926
2002	female	all maturity st	all shell condi	34.8208422	1	0.05147061
2003	male	all maturity st	all shell condi	68.6406738	1	0.60921624
2003	female	all maturity st	all shell condi	52.4322077	1	0.09369815
2004	male	all maturity st	all shell condi	35.7590957	1	0.79237492
2004	female	all maturity st	all shell condi	20.4205901	1	0.05814624
2005	male	all maturity st	all shell condi	43.4342395	1	1.75687219
2005	female	all maturity st	all shell condi	12.8517738	1	0.16997631
2006	male	all maturity st	all shell condi	22.7278142	1	2.18154253
2006	female	all maturity st	all shell condi	24.6257732	1	0.26215471
2007	male	all maturity st	all shell condi	82.9042717	1	1.34103003
2007	female	all maturity st	all shell condi	109.685142	1	0.08569353
2008	male	all maturity st	all shell condi	69.5069974	1	2.69624609
2008	female	all maturity st	all shell condi	99.200283	1	0.122979
2009	male	all maturity st	all shell condi	24.1517603	1	6.10456849
2009	female	all maturity st	all shell condi	103.589178	1	0.05134098
2010	male	all maturity st	all shell condi	51.4388581	1	0.90908957
2010	female	all maturity st	all shell condi	36.7196289	1	0.04362822
2011	male	all maturity st	all shell condi	71.8073034	1	0.34374939
2011	female	all maturity st	all shell condi	5.93638326	1	0.01937094
2012	male	all maturity st	all shell condi	64.8021393	1	0.69966937
2012	female	all maturity st	all shell condi	6.83085584	1	0.21117803
2013	male	all maturity st	all shell condi	67.1225871	1	1.70342007
2013	female	all maturity st	all shell condi	9.55231632	1	0.17898299
2014	male	all maturity st	all shell condi	143.105508	1	1.32742599
2014	female	all maturity st	all shell condi	19.1954706	1	0.07396017
2015	male	all maturity st	all shell condi	167.140209	1	0.90076293
2015	female	all maturity st	all shell condi	83.4403595	1	0.07493194

2016	male	all maturity st	all shell condi	22.8636119	1	7.75141983
2016	female	all maturity st	all shell condi	19.8611069	1	0.51469268
2015	male	immature	new shell	0.42821712	1	83.3086705
2016	male	immature	new shell	0.42821712	1	96.4623949
2015	female	immature	new shell	0.28213172	1	70.4987055
2016	female	immature	new shell	0.28213172	1	59.7485895
1994	male	immature	new shell	0.45352744	0	11.5921333
1995	male	immature	new shell	0.45352744	0	26.8726014
1996	male	immature	new shell	0.45352744	0	314.66667
1997	male	immature	new shell	0.45352744	0	417.875387
1998	male	immature	new shell	0.45352744	0	433.404588
1999	male	immature	new shell	0.45352744	0	404.606244
2000	male	immature	new shell	0.45352744	0	648.312016
2001	male	immature	new shell	0.45352744	0	744.203472
2002	male	immature	new shell	0.45352744	0	694.574045
2003	male	immature	new shell	0.45352744	0	240.055561
2004	male	immature	new shell	0.45352744	0	156.225109
2005	male	immature	new shell	0.45352744	0	82.6587981
2006	male	immature	new shell	0.45352744	0	10.0676993
2011	male	immature	new shell	0.45352744	0	1.96125821
2012	male	immature	new shell	0.45352744	0	2.64951691
1994	female	immature	new shell	0.45851197	0	15.0338638
1995	female	immature	new shell	0.45851197	0	14.4711719
1996	female	immature	new shell	0.45851197	0	213.067752
1997	female	immature	new shell	0.45851197	0	166.961377
1998	female	immature	new shell	0.45851197	0	229.456172
1999	female	immature	new shell	0.45851197	0	296.464669
2000	female	immature	new shell	0.45851197	0	557.426655
2001	female	immature	new shell	0.45851197	0	541.163567
2002	female	immature	new shell	0.45851197	0	341.919126
2003	female	immature	new shell	0.45851197	0	91.1150046
2004	female	immature	new shell	0.45851197	0	97.6441024
2005	female	immature	new shell	0.45851197	0	25.1196799
2006	female	immature	new shell	0.45851197	0	8.18001757
2012	female	immature	new shell	0.45851197	0	2.40770223
1990	male		new shell	2.32223961	1	54.7710083
1991	male		new shell	2.32223961	1	56.3171905
1992	male		new shell	2.32223961	1	18.4900939
1993	male		new shell	2.32223961	1	26.5516979
1994	male		new shell	2.32223961	1	20.8147292
1995	male		new shell	2.32223961	1	13.6862463

	1997	male		new shell	2.32223961	1	10.2380686
	1998	male		new shell	2.32223961	1	24.2571565
	1999	male		new shell	2.32223961	1	12.4046424
	2000	male		new shell	2.32223961	1	21.0180928
	2001	male		new shell	2.32223961	1	25.6669862
	2002	male		new shell	2.32223961	1	18.6520145
	2003	male		new shell	2.32223961	1	11.7479
	2004	male		new shell	2.32223961	1	17.2216611
	2005	male		new shell	2.32223961	1	63.7988173
	2008	male		new shell	2.32223961	1	45.9657571
	2010	male		new shell	2.32223961	1	60.6395848
	2012	male		new shell	2.32223961	1	15.7457807
	2014	male		new shell	2.32223961	1	20.3426864
	2016	male		new shell	2.32223961	1	38.2490278
	2017	male		new shell	2.32223961	1	15.8949252
all		male	immature	new shell	0.09975135	1	915.753646
all		male	mature	new shell	0.09975135	1	915.753646
all		male	immature	old shell	0.09975135	1	915.753646
all		male	mature	old shell	0.09975135	1	915.753646
all		female	immature	new shell	0.09975135	1	915.753646
all		female	mature	new shell	0.09975135	1	915.753646
all		female	immature	old shell	0.09975135	1	915.753646
all		female	mature	old shell	0.09975135	1	915.753646
all		male	immature	new shell	0.09975135	1	557.618671
all		male	mature	new shell	0.09975135	1	557.618671
all		male	immature	old shell	0.09975135	1	557.618671
all		male	mature	old shell	0.09975135	1	557.618671
all		female	immature	new shell	0.09975135	1	557.618671
all		female	mature	new shell	0.09975135	1	557.618671
all		female	immature	old shell	0.09975135	1	557.618671
all		female	mature	old shell	0.09975135	1	557.618671
all		male	immature	all shell condi	3.48404725	0	260.979582
all		male	mature	all shell condi	2.26399278	0	110.201761
all		female	immature	all shell condi	3.16778136	0	215.749033
all		female	mature	all shell condi	2.59499451	0	144.780925
all		male	mature	all shell condi	2.17126831	1	101.359731
all		female	mature	all shell condi	2.31281953	1	115.006385
	1975	male	immature	all shell condi	169.78361	1	25.4036453
	1975	male	mature	all shell condi	100.118519	1	33.6309987
	1975	female	immature	all shell condi	133.404864	1	9.7157205
	1975	female	mature	all shell condi	76.9203537	1	-13.80196

1976	male	immature	all shell condi	264.197236	1	17.7093965
1976	male	mature	all shell condi	228.885018	1	2.22971937
1976	female	immature	all shell condi	182.632531	1	10.1364526
1976	female	mature	all shell condi	134.447611	1	-3.9801266
1977	male	immature	all shell condi	135.382512	1	8.61230534
1977	male	mature	all shell condi	219.874852	1	-3.3808858
1977	female	immature	all shell condi	46.2401791	1	35.325009
1977	female	mature	all shell condi	278.773103	1	0.01724668
1978	male	immature	all shell condi	435.057058	1	1.6454624
1978	male	mature	all shell condi	266.958906	1	7.09657983
1978	female	immature	all shell condi	100.674073	1	11.398934
1978	female	mature	all shell condi	427.777145	1	1.08462354
1979	male	immature	all shell condi	132.490726	1	18.5769907
1979	male	mature	all shell condi	273.174071	1	-5.1927901
1979	female	immature	all shell condi	279.067571	1	-7.8802681
1979	female	mature	all shell condi	111.653653	1	20.6048061
1980	male	immature	all shell condi	68.7006992	1	36.1769658
1980	male	mature	all shell condi	158.147883	1	-12.192171
1980	female	immature	all shell condi	980.241477	1	-1.4047048
1980	female	mature	all shell condi	72.3834449	1	13.5165341
1981	male	immature	all shell condi	276.772437	1	12.4591882
1981	male	mature	all shell condi	461.990069	1	-10.981487
1981	female	immature	all shell condi	164.087395	1	-6.7714056
1981	female	mature	all shell condi	34.0141879	1	47.7877361
1982	male	immature	all shell condi	181.040409	1	-11.791876
1982	male	mature	all shell condi	399.206358	1	-10.839116
1982	female	immature	all shell condi	116.572311	1	-7.75865
1982	female	mature	all shell condi	8.11802641	1	123.181938
1983	male	immature	all shell condi	208.004851	1	2.63235924
1983	male	mature	all shell condi	747.746451	1	-0.5031093
1983	female	immature	all shell condi	229.811703	1	4.65092445
1983	female	mature	all shell condi	180.109586	1	14.8355839
1984	male	immature	all shell condi	280.305532	1	-13.886085
1984	male	mature	all shell condi	168.692453	1	19.3658418
1984	female	immature	all shell condi	142.920816	1	-7.6132318
1984	female	mature	all shell condi	96.7501554	1	26.5832486
1985	male	immature	all shell condi	168.477594	1	-17.342043
1985	male	mature	all shell condi	59.7388231	1	39.6790614
1985	female	immature	all shell condi	106.929944	1	-19.084343
1985	female	mature	all shell condi	69.0978535	1	37.2127834
1986	male	immature	all shell condi	377.299584	1	8.00794596

1986	male	mature	all shell condi	107.631806	1	23.1868667
1986	female	immature	all shell condi	178.555628	1	-5.6661134
1986	female	mature	all shell condi	152.861691	1	-0.9012019
1987	male	immature	all shell condi	181.787058	1	8.12893666
1987	male	mature	all shell condi	1382.78855	1	1.89220577
1987	female	immature	all shell condi	48.9749029	1	53.3471179
1987	female	mature	all shell condi	122.296102	1	-6.4684492
1988	male	immature	all shell condi	546.488463	1	4.71946224
1988	male	mature	all shell condi	1087.18929	1	5.21652033
1988	female	immature	all shell condi	266.78154	1	-5.2616037
1988	female	mature	all shell condi	106.979473	1	15.1741169
1989	male	immature	all shell condi	225.962238	1	11.9995921
1989	male	mature	all shell condi	701.592028	1	-1.2308809
1989	female	immature	all shell condi	116.039292	1	16.549302
1989	female	mature	all shell condi	144.044564	1	-5.9765514
1990	male	immature	all shell condi	829.09145	1	2.75470029
1990	male	mature	all shell condi	479.259497	1	-7.7875647
1990	female	immature	all shell condi	260.866549	1	7.35808368
1990	female	mature	all shell condi	296.566446	1	11.9748116
1991	male	immature	all shell condi	302.17066	1	9.11865641
1991	male	mature	all shell condi	520.360133	1	-10.214765
1991	female	immature	all shell condi	140.964425	1	8.04751346
1991	female	mature	all shell condi	554.24035	1	11.158371
1992	male	immature	all shell condi	592.780823	1	11.7628833
1992	male	mature	all shell condi	245.749543	1	3.02117104
1992	female	immature	all shell condi	278.10431	1	4.29888463
1992	female	mature	all shell condi	973.408301	1	-1.0970954
1993	male	immature	all shell condi	318.9318	1	19.4036267
1993	male	mature	all shell condi	286.962592	1	5.92210417
1993	female	immature	all shell condi	411.239317	1	4.99008216
1993	female	mature	all shell condi	256.63089	1	-13.814573
1994	male	immature	all shell condi	265.756394	1	12.3883511
1994	male	mature	all shell condi	325.019236	1	-0.8209727
1994	female	immature	all shell condi	74.3978145	1	20.0499821
1994	female	mature	all shell condi	335.071151	1	-10.929899
1995	male	immature	all shell condi	392.010291	1	-1.8513903
1995	male	mature	all shell condi	319.505426	1	-0.0689536
1995	female	immature	all shell condi	430.878715	1	-1.2541397
1995	female	mature	all shell condi	178.637621	1	21.0432936
1996	male	immature	all shell condi	652.298322	1	0.91258417
1996	male	mature	all shell condi	374.337798	1	2.04821103

1996	female	immature	all shell condi	356.597096	1	0.11761554
1996	female	mature	all shell condi	340.367758	1	10.726802
1997	male	immature	all shell condi	445.625691	1	6.79388738
1997	male	mature	all shell condi	1307.38624	1	-6.3702447
1997	female	immature	all shell condi	103.530644	1	19.7536743
1997	female	mature	all shell condi	458.367851	1	-7.3148632
1998	male	immature	all shell condi	200.259706	1	16.4338708
1998	male	mature	all shell condi	2076.09821	1	-4.9417548
1998	female	immature	all shell condi	355.394491	1	15.9237504
1998	female	mature	all shell condi	151.223251	1	-10.536001
1999	male	immature	all shell condi	143.347036	1	15.3310279
1999	male	mature	all shell condi	1384.41497	1	0.76310778
1999	female	immature	all shell condi	166.396281	1	8.64525992
1999	female	mature	all shell condi	370.777484	1	-4.5132547
2000	male	immature	all shell condi	169.32522	1	8.000061
2000	male	mature	all shell condi	1039.05577	1	5.07693541
2000	female	immature	all shell condi	337.729437	1	1.64756759
2000	female	mature	all shell condi	257.875773	1	-1.0933794
2001	male	immature	all shell condi	275.727669	1	12.3141977
2001	male	mature	all shell condi	881.745665	1	-5.2559078
2001	female	immature	all shell condi	287.263441	1	13.4262051
2001	female	mature	all shell condi	319.266749	1	-5.1613389
2002	male	immature	all shell condi	157.431683	1	9.60972644
2002	male	mature	all shell condi	1567.36419	1	-3.7672231
2002	female	immature	all shell condi	109.070283	1	17.7514334
2002	female	mature	all shell condi	773.197876	1	-4.2619299
2003	male	immature	all shell condi	340.296842	1	6.24693926
2003	male	mature	all shell condi	3132.62423	1	0.86608202
2003	female	immature	all shell condi	237.315746	1	-5.0078267
2003	female	mature	all shell condi	264.379958	1	10.2178663
2004	male	immature	all shell condi	204.969527	1	3.25882118
2004	male	mature	all shell condi	605.579988	1	9.83478901
2004	female	immature	all shell condi	152.744041	1	11.5226193
2004	female	mature	all shell condi	350.430801	1	-4.129086
2005	male	immature	all shell condi	374.167695	1	2.17260286
2005	male	mature	all shell condi	1562.41095	1	-5.1858801
2005	female	immature	all shell condi	243.279445	1	19.1424678
2005	female	mature	all shell condi	1659.17097	1	-2.6547802
2006	male	immature	all shell condi	402.792486	1	10.7270764
2006	male	mature	all shell condi	1550.03048	1	-1.27768
2006	female	immature	all shell condi	200.678373	1	11.1855855

2006	female	mature	all shell condi	599.969843	1	-5.7114701
2007	male	immature	all shell condi	197.726368	1	27.0595925
2007	male	mature	all shell condi	990.74069	1	1.19419417
2007	female	immature	all shell condi	677.484675	1	0.32561377
2007	female	mature	all shell condi	174.35684	1	-10.370997
2008	male	immature	all shell condi	571.04833	1	12.6948051
2008	male	mature	all shell condi	1316.79581	1	1.13835072
2008	female	immature	all shell condi	580.643032	1	2.58189981
2008	female	mature	all shell condi	680.587909	1	-6.9985166
2009	male	immature	all shell condi	116.384729	1	4.90024402
2009	male	mature	all shell condi	547.350119	1	8.95091609
2009	female	immature	all shell condi	74.7574053	1	0.8265255
2009	female	mature	all shell condi	977.387255	1	5.11083547
2010	male	immature	all shell condi	306.64836	1	1.35168357
2010	male	mature	all shell condi	388.671622	1	13.0668876
2010	female	immature	all shell condi	198.091468	1	-2.2044306
2010	female	mature	all shell condi	5613.17544	1	-0.9713694
2011	male	immature	all shell condi	367.136737	1	10.5048486
2011	male	mature	all shell condi	2449.16387	1	-0.9147633
2011	female	immature	all shell condi	194.501605	1	11.5739114
2011	female	mature	all shell condi	291.498185	1	-5.4973904
2012	male	immature	all shell condi	335.974226	1	17.366958
2012	male	mature	all shell condi	1475.3706	1	-1.5681895
2012	female	immature	all shell condi	251.476347	1	1.43528971
2012	female	mature	all shell condi	483.305159	1	-2.6544623
2013	male	immature	all shell condi	905.423306	1	9.52028374
2013	male	mature	all shell condi	332.993087	1	4.96318506
2013	female	immature	all shell condi	527.513201	1	-1.2483437
2013	female	mature	all shell condi	970.965218	1	-0.781615
2014	male	immature	all shell condi	388.094591	1	14.4326465
2014	male	mature	all shell condi	550.609186	1	2.84566726
2014	female	immature	all shell condi	106.012216	1	13.7393515
2014	female	mature	all shell condi	374.515283	1	-7.8002103
2015	male	immature	all shell condi	1008.43805	1	8.30367525
2015	male	mature	all shell condi	583.076442	1	1.87143428
2015	female	immature	all shell condi	539.292594	1	3.08751619
2015	female	mature	all shell condi	650.828136	1	-0.9619962
2016	male	immature	all shell condi	444.071461	1	9.53379654
2016	male	mature	all shell condi	198.046608	1	18.9532797
2016	female	immature	all shell condi	370.313843	1	1.68261729
2016	female	mature	all shell condi	363.466624	1	-8.4442665

	2017	male	immature	all shell condi	101.71493	1	-0.5552736
	2017	male	mature	all shell condi	162.587116	1	22.3378038
	2017	female	immature	all shell condi	70.955265	1	7.11460578
	2017	female	mature	all shell condi	993.890809	1	0.54176547
all		male	all maturity st	new shell	3.59690858	0	278.161653
all		male	all maturity st	old shell	4.85869672	0	507.549076
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	3.08241526	0	204.277603
all		male	all maturity st	old shell	3.81937459	0	313.633879
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
	1975	male	all maturity st	new shell	58.535469	0	32.9427562
	1975	male	all maturity st	old shell	36.0685067	0	31.2834882
	1976	male	all maturity st	new shell	70.396175	0	18.4109781
	1976	male	all maturity st	old shell	23.2024792	0	51.0713283
	1977	male	all maturity st	new shell	49.1566828	0	25.3137614
	1977	male	all maturity st	old shell	84.9291925	0	17.6843816
	1978	male	all maturity st	new shell	118.007083	0	14.4922925
	1978	male	all maturity st	old shell	46.6007289	0	30.9999496
	1979	male	all maturity st	new shell	91.6138628	0	10.303654
	1979	male	all maturity st	old shell	25.8280573	0	58.2710504
	1980	male	all maturity st	new shell	51.282983	0	17.8145191
	1980	male	all maturity st	old shell	23.8124297	0	69.5897343
	1981	male	all maturity st	new shell	63.802593	0	17.628819
	1981	male	all maturity st	old shell	20.6077482	0	57.5952687
	1982	male	all maturity st	new shell	52.2961744	0	22.0672827
	1982	male	all maturity st	old shell	310.859965	0	5.89838075
	1983	male	all maturity st	new shell	69.7406528	0	14.7813395
	1983	male	all maturity st	old shell	92.6868796	0	14.9788932
	1984	male	all maturity st	new shell	138.107347	0	4.49227982
	1984	male	all maturity st	old shell	65.4564173	0	18.1017307
	1985	male	all maturity st	new shell	89.472843	0	15.5818642
	1985	male	all maturity st	old shell	55.2914067	0	25.308226
	1986	male	all maturity st	new shell	98.9309148	0	12.0263817
	1986	male	all maturity st	old shell	88.7194365	0	15.6185166
	1987	male	all maturity st	new shell	73.881954	0	11.1422367
	1987	male	all maturity st	old shell	110.990941	0	16.2377967
	1988	male	all maturity st	new shell	137.843687	0	7.72987297
	1988	male	all maturity st	old shell	142.896258	0	13.0551093
	1989	male	all maturity st	new shell	133.440405	0	8.43962507

1989	male	all maturity st	old shell	364.781515	0	7.80537627
1990	male	all maturity st	new shell	345.493924	0	4.05667825
1990	male	all maturity st	old shell	198.246715	0	9.0141492
1991	male	all maturity st	new shell	169.872525	0	6.99023267
1991	male	all maturity st	old shell	178.12394	0	9.64610997
1992	male	all maturity st	new shell	185.579227	0	6.91594229
1992	male	all maturity st	old shell	69.6820028	0	16.3744664
1993	male	all maturity st	new shell	333.140895	0	3.74174522
1993	male	all maturity st	old shell	97.1928573	0	10.6199131
1994	male	all maturity st	new shell	217.458138	0	4.68154484
1994	male	all maturity st	old shell	74.6203949	0	13.8155815
1995	male	all maturity st	new shell	88.0216941	0	10.5761888
1995	male	all maturity st	old shell	63.672279	0	17.2044308
1996	male	all maturity st	new shell	134.592294	0	9.94328705
1996	male	all maturity st	old shell	56.6779655	0	17.3854235
1997	male	all maturity st	new shell	160.278474	0	6.40459869
1997	male	all maturity st	old shell	193.470516	0	10.7773
1998	male	all maturity st	new shell	164.335051	0	5.23873738
1998	male	all maturity st	old shell	429.406585	0	5.97994345
1999	male	all maturity st	new shell	72.8643686	0	11.93032
1999	male	all maturity st	old shell	130.438546	0	10.3015805
2000	male	all maturity st	new shell	103.719474	0	6.49987874
2000	male	all maturity st	old shell	126.664032	0	12.7551825
2001	male	all maturity st	new shell	149.128782	0	7.30364424
2001	male	all maturity st	old shell	148.761426	0	12.9071016
2002	male	all maturity st	new shell	63.2144154	0	12.6981825
2002	male	all maturity st	old shell	333.079713	0	7.94067672
2003	male	all maturity st	new shell	149.347173	0	6.65263675
2003	male	all maturity st	old shell	186.623027	0	11.2496698
2004	male	all maturity st	new shell	97.6811066	0	8.94531419
2004	male	all maturity st	old shell	74.6516879	0	25.16762
2005	male	all maturity st	new shell	162.944036	0	6.93737661
2005	male	all maturity st	old shell	304.15652	0	8.46688966
2006	male	all maturity st	new shell	166.293207	0	8.03169643
2006	male	all maturity st	old shell	220.99848	0	11.5424609
2007	male	all maturity st	new shell	240.397656	0	6.3420199
2007	male	all maturity st	old shell	255.205081	0	11.8815277
2008	male	all maturity st	new shell	403.265399	0	3.56101726
2008	male	all maturity st	old shell	151.043776	0	12.6845043
2009	male	all maturity st	new shell	37.9386121	0	16.3490517
2009	male	all maturity st	old shell	145.831771	0	9.45180408

	2010	male	all maturity st	new shell	63.5038795	0	16.570603
	2010	male	all maturity st	old shell	220.154509	0	7.63447057
	2011	male	all maturity st	new shell	177.988061	0	4.14197675
	2011	male	all maturity st	old shell	157.452506	0	11.079493
	2012	male	all maturity st	new shell	248.818917	0	3.35410379
	2012	male	all maturity st	old shell	119.676398	0	11.5974111
	2013	male	all maturity st	new shell	164.792196	0	6.88292695
	2013	male	all maturity st	old shell	202.266832	0	11.272871
	2014	male	all maturity st	new shell	248.804697	0	5.75200182
	2014	male	all maturity st	old shell	108.956847	0	12.129565
	2015	male	all maturity st	new shell	514.017321	0	4.40510988
	2015	male	all maturity st	old shell	142.399341	0	10.2341398
	2016	male	all maturity st	new shell	181.495801	0	8.55266299
	2016	male	all maturity st	old shell	92.5837626	0	13.9468073
	2017	male	all maturity st	new shell	28.1789131	0	14.7586321
	2017	male	all maturity st	old shell	86.7706739	0	13.8443413
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.16778136	0	215.749033
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.6808816	0	154.523213
all		female	mature	old shell	3.17512736	0	216.750825
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	2.95741488	0	188.045509
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.62936375	0	148.641405
all		female	mature	old shell	2.83158286	0	172.384023
	1975	female	immature	new shell	15.0408413	0	30.4915303
	1975	female	mature	new shell	71.6267583	0	4.53168001
	1975	female	mature	old shell	9.92232018	0	25.7321314
	1976	female	immature	new shell	40.0578079	0	7.72450122
	1976	female	mature	new shell	65.6905974	0	5.32199486
	1976	female	mature	old shell	10.6790643	0	27.0010237
	1977	female	immature	new shell	22.8318668	0	13.3062974
	1977	female	mature	new shell	72.9648111	0	6.68117255
	1977	female	mature	old shell	28.4519781	0	11.5667589

1978	female	immature	new shell	27.8096854	0	8.98236963
1978	female	mature	new shell	140.782674	0	2.37154493
1978	female	mature	old shell	40.8420289	0	7.50435496
1979	female	immature	new shell	44.6217448	0	4.90563195
1979	female	mature	new shell	51.758835	0	8.27169037
1979	female	mature	old shell	28.1183415	0	10.6873455
1980	female	immature	new shell	105.051245	0	4.26536935
1980	female	mature	new shell	12.281183	0	16.8158852
1980	female	mature	old shell	22.8800928	0	12.0058685
1981	female	immature	new shell	51.4903057	0	8.47288786
1981	female	mature	new shell	9.25962264	0	33.7014896
1981	female	mature	old shell	88.2699282	0	5.19030957
1982	female	immature	new shell	41.6179618	0	16.5040405
1982	female	mature	new shell	9.3374544	0	23.5798681
1982	female	mature	old shell	33.2528478	0	7.86690063
1983	female	immature	new shell	52.7712606	0	6.03434649
1983	female	mature	new shell	47.403099	0	9.41323346
1983	female	mature	old shell	137.49693	0	2.04978652
1984	female	immature	new shell	35.0707848	0	5.67498523
1984	female	mature	new shell	33.4379967	0	6.67963472
1984	female	mature	old shell	228.911654	0	2.16616591
1985	female	immature	new shell	152.03366	0	4.02833386
1985	female	mature	new shell	10.4907663	0	43.638731
1985	female	mature	old shell	266.431698	0	2.7695479
1986	female	immature	new shell	73.6441108	0	5.81487651
1986	female	mature	new shell	6.14866567	0	39.928273
1986	female	mature	old shell	26.2047861	0	12.1989814
1987	female	immature	new shell	18.4405308	0	33.6243605
1987	female	mature	new shell	31.6404527	0	12.2429958
1987	female	mature	old shell	19.6036621	0	20.0741334
1988	female	immature	new shell	105.362381	0	6.04408225
1988	female	mature	new shell	14.3632137	0	24.5626372
1988	female	mature	old shell	30.4164715	0	11.5705648
1989	female	immature	new shell	48.3286777	0	5.40478508
1989	female	mature	new shell	23.6596294	0	13.0272626
1989	female	mature	old shell	39.2599349	0	11.1864284
1990	female	immature	new shell	56.9491036	0	6.00777901
1990	female	mature	new shell	229.326615	0	1.60472724
1990	female	mature	old shell	33.9808552	0	11.0240847
1991	female	immature	new shell	19.9046143	0	14.8573075
1991	female	mature	new shell	124.960186	0	2.08411959

1991	female	mature	old shell	113.934429	0	3.71232955
1992	female	immature	new shell	25.8881074	0	15.7413846
1992	female	mature	new shell	81.2475828	0	5.0607455
1992	female	mature	old shell	104.957882	0	3.32221664
1993	female	immature	new shell	47.3426059	0	9.38363844
1993	female	mature	new shell	32.4397518	0	7.9676539
1993	female	mature	old shell	158.423653	0	2.36847693
1994	female	immature	new shell	28.7838424	0	10.6898032
1994	female	mature	new shell	34.5073311	0	11.0810827
1994	female	mature	old shell	188.081159	0	2.20019408
1995	female	immature	new shell	71.1502093	0	7.33906492
1995	female	mature	new shell	26.5874411	0	14.240603
1995	female	mature	old shell	434.783686	0	0.88115425
1996	female	immature	new shell	67.12632	0	7.63944914
1996	female	mature	new shell	20.0523927	0	13.8693377
1996	female	mature	old shell	188.628643	0	1.78846606
1997	female	immature	new shell	58.443075	0	3.806108
1997	female	mature	new shell	68.8470085	0	4.10899079
1997	female	mature	old shell	162.210789	0	2.571585
1998	female	immature	new shell	318.468377	0	1.46154762
1998	female	mature	new shell	42.2174219	0	7.7245048
1998	female	mature	old shell	174.081106	0	2.93438896
1999	female	immature	new shell	59.1795529	0	6.05000773
1999	female	mature	new shell	13.1420465	0	17.9199767
1999	female	mature	old shell	119.572843	0	2.40937654
2000	female	immature	new shell	98.8943021	0	2.43502953
2000	female	mature	new shell	25.1601086	0	10.5403625
2000	female	mature	old shell	25.7757018	0	12.7682348
2001	female	immature	new shell	175.711642	0	2.00998963
2001	female	mature	new shell	133.586132	0	4.65906132
2001	female	mature	old shell	40.7487526	0	6.16722707
2002	female	immature	new shell	53.943519	0	5.201723
2002	female	mature	new shell	49.5127658	0	7.11488067
2002	female	mature	old shell	64.0808681	0	3.50983252
2003	female	immature	new shell	75.9886781	0	4.18436002
2003	female	mature	new shell	198.422762	0	1.82263059
2003	female	mature	old shell	56.4280878	0	8.17829429
2004	female	immature	new shell	59.7648269	0	6.38033676
2004	female	mature	new shell	138.995403	0	1.55795357
2004	female	mature	old shell	43.513831	0	9.69723387
2005	female	immature	new shell	363.125868	0	1.77503494

	2005	female	mature	new shell	117.115805	0	3.44890584
	2005	female	mature	old shell	365.933845	0	2.35785809
	2006	female	immature	new shell	52.5496674	0	7.1628647
	2006	female	mature	new shell	144.72412	0	2.41499882
	2006	female	mature	old shell	195.373768	0	2.56705246
	2007	female	immature	new shell	110.477527	0	3.74770973
	2007	female	mature	new shell	41.8214507	0	8.18090176
	2007	female	mature	old shell	548.739368	0	0.71655467
	2008	female	immature	new shell	80.9333643	0	5.13279843
	2008	female	mature	new shell	123.121821	0	4.09737785
	2008	female	mature	old shell	414.693589	0	0.81199129
	2009	female	immature	new shell	22.2602324	0	10.4011216
	2009	female	mature	new shell	34.5436608	0	5.93283218
	2009	female	mature	old shell	553.741883	0	0.73596688
	2010	female	immature	new shell	78.8960918	0	5.00708458
	2010	female	mature	new shell	151.332023	0	2.29357408
	2010	female	mature	old shell	613.362579	0	0.67437083
	2011	female	immature	new shell	62.5568451	0	6.4888511
	2011	female	mature	new shell	23.4025345	0	9.46173214
	2011	female	mature	old shell	145.362234	0	2.71454136
	2012	female	immature	new shell	63.4295915	0	6.41614356
	2012	female	mature	new shell	29.0500959	0	7.7472426
	2012	female	mature	old shell	174.717321	0	1.85176654
	2013	female	immature	new shell	104.60583	0	4.36542216
	2013	female	mature	new shell	446.457887	0	1.17139049
	2013	female	mature	old shell	47.0061614	0	6.28736935
	2014	female	immature	new shell	18.9910191	0	20.9251394
	2014	female	mature	new shell	70.5224175	0	3.04701376
	2014	female	mature	old shell	58.1185705	0	5.58177913
	2015	female	immature	new shell	71.0108217	0	6.41863659
	2015	female	mature	new shell	20.6650537	0	11.1826803
	2015	female	mature	old shell	227.096688	0	1.65229502
	2016	female	immature	new shell	43.5319733	0	9.97462357
	2016	female	mature	new shell	84.4033747	0	6.82222093
	2016	female	mature	old shell	83.6777967	0	3.15116863
	2017	female	immature	new shell	15.7600921	0	12.4113462
	2017	female	mature	new shell	30.5838567	0	16.5460544
	2017	female	mature	old shell	136.619197	0	1.59865263
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.19624998	20	0.73176701

all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	21.2360858	1	16.1844383
	1981	male	all maturity st	all shell condi	749.956335	1	0.4744372
	1982	male	all maturity st	all shell condi	567.932133	1	1.99189625
	1983	male	all maturity st	all shell condi	46.9538051	1	1.60127683
	1984	male	all maturity st	all shell condi	243.765352	1	0.79936801
	1988	male	all maturity st	all shell condi	111.075259	1	5.51774041
	1989	male	all maturity st	all shell condi	862.08203	1	0.59665967
	1990	male	all maturity st	all shell condi	347.304218	1	2.57680559
	1991	male	all maturity st	all shell condi	187.299431	1	4.75130298
	1992	male	all maturity st	all shell condi	83.0788725	1	13.9502196
	1993	male	all maturity st	all shell condi	122.205166	1	7.65909877
	1994	male	all maturity st	all shell condi	107.863	1	10.707408
	1995	male	all maturity st	all shell condi	199.928422	1	0.53082939
	1996	male	all maturity st	all shell condi	160.197717	1	1.29608881
	2005	male	all maturity st	all shell condi	14.8356158	1	1.45329871
	2006	male	all maturity st	all shell condi	157.287485	1	0.86692058
	2007	male	all maturity st	all shell condi	793.775765	1	1.14756785
	2008	male	all maturity st	all shell condi	367.279843	1	0.83689765
	2009	male	all maturity st	all shell condi	90.8139857	1	0.94694595
	2013	male	all maturity st	all shell condi	519.073177	1	0.51409107
	2014	male	all maturity st	all shell condi	343.160731	1	2.5679032
	2015	male	all maturity st	all shell condi	258.997147	1	6.00571675
all		male	all maturity st	all shell condi	0.19471666	20	0.24644477
all		female	all maturity st	all shell condi	0.57999181	20	2.18653826
	1991	male	all maturity st	all shell condi	2893.17761	1	0.77453211
	1991	female	all maturity st	all shell condi	545.722243	1	1.29944194
	1992	male	all maturity st	all shell condi	117.018829	1	22.4765019
	1992	female	all maturity st	all shell condi	444.736029	1	0.54774039
	1993	male	all maturity st	all shell condi	239.580176	1	9.96010207
	1993	female	all maturity st	all shell condi	355.422582	1	0.94769173
	1994	male	all maturity st	all shell condi	647.892595	1	0.96409202
	1994	female	all maturity st	all shell condi	57.1927334	1	1.37489106
	1995	male	all maturity st	all shell condi	251.740007	1	1.16648498
	1995	female	all maturity st	all shell condi	83.2542669	1	1.03158275
	1996	male	all maturity st	all shell condi	30.077945	1	1.43191043
	1996	female	all maturity st	all shell condi	267.065403	1	0.05538202
	2005	male	all maturity st	all shell condi	117.169513	1	14.0398805
	2005	female	all maturity st	all shell condi	39.7176755	1	0.95578493
	2006	male	all maturity st	all shell condi	330.568178	1	4.88240191
	2006	female	all maturity st	all shell condi	444.034017	1	0.76741421

	2007	male	all maturity st	all shell condi	572.93299	1	5.01361715
	2007	female	all maturity st	all shell condi	323.104293	1	0.38080464
	2008	male	all maturity st	all shell condi	655.529556	1	4.84670279
	2008	female	all maturity st	all shell condi	46.4547553	1	0.31778448
	2009	male	all maturity st	all shell condi	205.074654	1	6.53182777
	2009	female	all maturity st	all shell condi	23.7326443	1	0.18367456
	2013	male	all maturity st	all shell condi	2156.88734	1	1.5111766
	2013	female	all maturity st	all shell condi	65.1459291	1	0.59337175
	2014	male	all maturity st	all shell condi	323.168748	1	8.80104754
	2014	female	all maturity st	all shell condi	181.993783	1	0.20323093
	2015	male	all maturity st	all shell condi	191.297753	1	11.0644725
	2015	female	all maturity st	all shell condi	75.9379831	1	1.04808746
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.0828473	20	0.08579593
all		female	all maturity st	all shell condi	0.31391971	20	1.23181978
	1992	male	all maturity st	all shell condi	444.329173	1	2.00126349
	1992	female	all maturity st	all shell condi	18.9633452	1	0.93013571
	1993	male	all maturity st	all shell condi	208.296585	1	1.87112896
	1993	female	all maturity st	all shell condi	32.0781576	1	1.12632403
	1994	male	all maturity st	all shell condi	81.3135211	1	1.67761727
	1994	female	all maturity st	all shell condi	39.5306933	1	1.90394228
	1995	male	all maturity st	all shell condi	133.474153	1	0.65977258
	1995	female	all maturity st	all shell condi	44.3795004	1	0.2676581
	1996	male	all maturity st	all shell condi	121.16842	1	2.31668008
	1996	female	all maturity st	all shell condi	50.4094209	1	0.377467
	1997	male	all maturity st	all shell condi	392.899453	1	0.97016445
	1997	female	all maturity st	all shell condi	112.355775	1	0.19785523
	1998	male	all maturity st	all shell condi	838.783292	1	0.2383087
	1998	female	all maturity st	all shell condi	22.9161251	1	0.29239053
	1999	male	all maturity st	all shell condi	191.36365	1	0.28991336
	1999	female	all maturity st	all shell condi	32.5388592	1	0.06635287
	2000	male	all maturity st	all shell condi	260.765084	1	0.29449892
	2000	female	all maturity st	all shell condi	33.5292591	1	0.09394459
	2001	male	all maturity st	all shell condi	442.46644	1	0.36508205
	2001	female	all maturity st	all shell condi	135.983634	1	0.05929774
	2002	male	all maturity st	all shell condi	50.7402101	1	0.90161502
	2002	female	all maturity st	all shell condi	50.0961774	1	0.06000238
	2003	male	all maturity st	all shell condi	93.5137988	1	0.4286193
	2003	female	all maturity st	all shell condi	48.7837102	1	0.09478824
	2004	male	all maturity st	all shell condi	20.8140732	1	1.97402697

	2004	female	all maturity st	all shell condi	31.7338698	1	0.80981538
	2005	male	all maturity st	all shell condi	113.561907	1	4.72275977
	2005	female	all maturity st	all shell condi	136.519357	1	0.15668129
	2006	male	all maturity st	all shell condi	73.9568785	1	6.06794155
	2006	female	all maturity st	all shell condi	53.1664173	1	1.1598654
	2007	male	all maturity st	all shell condi	329.592791	1	2.38838937
	2007	female	all maturity st	all shell condi	48.0104719	1	0.4328527
	2008	male	all maturity st	all shell condi	92.0473995	1	6.9970251
	2008	female	all maturity st	all shell condi	13.8391178	1	2.25374184
	2009	male	all maturity st	all shell condi	452.59247	1	2.04807255
	2009	female	all maturity st	all shell condi	18.0728403	1	1.02120149
	2010	male	all maturity st	all shell condi	318.570762	1	1.46594431
	2010	female	all maturity st	all shell condi	55.289352	1	0.2340126
	2011	male	all maturity st	all shell condi	194.306266	1	3.34984402
	2011	female	all maturity st	all shell condi	52.2227406	1	0.20833744
	2012	male	all maturity st	all shell condi	196.878766	1	2.81627767
	2012	female	all maturity st	all shell condi	38.3351272	1	0.21857248
	2013	male	all maturity st	all shell condi	265.3157	1	2.53126821
	2013	female	all maturity st	all shell condi	272.624861	1	0.07449118
	2014	male	all maturity st	all shell condi	416.98294	1	3.12566583
	2014	female	all maturity st	all shell condi	46.3697277	1	0.52920588
	2015	male	all maturity st	all shell condi	489.098541	1	2.02777881
	2015	female	all maturity st	all shell condi	112.584666	1	0.09524587
	2016	male	all maturity st	all shell condi	382.413986	1	2.72799625
	2016	female	all maturity st	all shell condi	110.120485	1	0.09792389
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.05233291	20	0.06025214
	1973	male	all maturity st	all shell condi	212.065669	1	-2.8752874
	1973	female	all maturity st	all shell condi	160.891046	1	6.39860098
	1974	male	all maturity st	all shell condi	296.589628	1	-1.8392345
	1974	female	all maturity st	all shell condi	180.70754	1	3.90540804
	1975	male	all maturity st	all shell condi	204.818312	1	-0.6009949
	1975	female	all maturity st	all shell condi	165.979617	1	2.1372147
	1976	male	all maturity st	all shell condi	109.47361	1	-5.1280291
	1976	female	all maturity st	all shell condi	96.0535898	1	22.1855387
	1977	male	all maturity st	all shell condi	185.939522	1	-2.4405149
	1977	female	all maturity st	all shell condi	305.954709	1	15.2715978
	1978	male	all maturity st	all shell condi	232.363681	1	-6.4778584
	1978	female	all maturity st	all shell condi	147.590231	1	26.4253263
	1979	male	all maturity st	all shell condi	551.215423	1	-7.5327267
	1979	female	all maturity st	all shell condi	549.935195	1	14.6123097

1980	male	all maturity st	all shell condi	563.332815	1	4.04217716
1980	female	all maturity st	all shell condi	818.254583	1	1.25929235
1981	male	all maturity st	all shell condi	676.871948	1	-3.2459776
1981	female	all maturity st	all shell condi	59.0759337	1	12.3771619
1982	male	all maturity st	all shell condi	625.935342	1	6.49845641
1982	female	all maturity st	all shell condi	66.5031141	1	15.2525027
1983	male	all maturity st	all shell condi	288.409843	1	33.3921031
1983	female	all maturity st	all shell condi	137.484942	1	-10.48843
1984	male	all maturity st	all shell condi	377.758163	1	39.9261537
1984	female	all maturity st	all shell condi	238.861813	1	-18.961869
1985	male	all maturity st	all shell condi	191.844807	1	25.0261207
1985	female	all maturity st	all shell condi	287.290675	1	-6.7337456
1986	male	all maturity st	all shell condi	460.279957	1	9.56386301
1986	female	all maturity st	all shell condi	217.628301	1	0.26849076
1987	male	all maturity st	all shell condi	238.890506	1	16.0384401
1987	female	all maturity st	all shell condi	653.11699	1	4.95425858
1988	male	all maturity st	all shell condi	282.517995	1	3.46855233
1988	female	all maturity st	all shell condi	218.898878	1	10.3235405
1989	male	all maturity st	all shell condi	580.119998	1	-7.0832037
1989	female	all maturity st	all shell condi	537.327253	1	20.084884
1990	male	all maturity st	all shell condi	864.608862	1	13.9590997
1990	female	all maturity st	all shell condi	265.514736	1	-4.9263446
1991	male	all maturity st	all shell condi	324.850147	1	0.70831633
1991	female	all maturity st	all shell condi	194.708541	1	6.80834805
1992	male	all maturity st	all shell condi	190.925372	1	4.71425935
1992	female	all maturity st	all shell condi	60.6414815	1	3.162204
1993	male	all maturity st	all shell condi	69.8311801	1	3.91480862
1993	female	all maturity st	all shell condi	87.4276281	1	-0.4587873
1994	male	all maturity st	all shell condi	204.200527	1	3.07651442
1994	female	all maturity st	all shell condi	396.301571	1	1.14023003
1995	male	all maturity st	all shell condi	61.8507054	1	10.5733196
1995	female	all maturity st	all shell condi	59.2669273	1	4.75277506
1996	male	all maturity st	all shell condi	170.04996	1	12.3295479
1996	female	all maturity st	all shell condi	536.943229	1	-4.0859132
1997	male	all maturity st	all shell condi	47.6920922	1	24.3893204
1997	female	all maturity st	all shell condi	166.176968	1	5.72661929
1998	male	all maturity st	all shell condi	114.031668	1	10.2513901
1998	female	all maturity st	all shell condi	282.40631	1	7.09289267
1999	male	all maturity st	all shell condi	382.391815	1	5.47285337
1999	female	all maturity st	all shell condi	1024.25363	1	1.94651378
2000	male	all maturity st	all shell condi	364.752586	1	6.3741451

	2000	female	all maturity st	all shell condi	734.090623	1	-0.211156
	2001	male	all maturity st	all shell condi	462.148374	1	10.1168236
	2001	female	all maturity st	all shell condi	1228.29326	1	-3.6791251
	2002	male	all maturity st	all shell condi	399.869613	1	10.2730836
	2002	female	all maturity st	all shell condi	949.646811	1	-0.2295826
	2003	male	all maturity st	all shell condi	186.536585	1	4.35490574
	2003	female	all maturity st	all shell condi	327.75248	1	4.82140292
	2004	male	all maturity st	all shell condi	110.289564	1	-2.5277773
	2004	female	all maturity st	all shell condi	30.933267	1	40.2101236
	2005	male	all maturity st	all shell condi	1224.08946	1	3.97220838
	2005	female	all maturity st	all shell condi	1924.9288	1	0.82111037
	2006	male	all maturity st	all shell condi	209.168506	1	11.7070347
	2006	female	all maturity st	all shell condi	145.883602	1	3.55609029
	2007	male	all maturity st	all shell condi	167.388574	1	10.2755572
	2007	female	all maturity st	all shell condi	86.9895981	1	10.5164348
	2008	male	all maturity st	all shell condi	157.245845	1	26.0599869
	2008	female	all maturity st	all shell condi	173.057204	1	-7.9141117
	2009	male	all maturity st	all shell condi	330.230221	1	12.5172272
	2009	female	all maturity st	all shell condi	549.927281	1	-6.451207
	2010	male	all maturity st	all shell condi	517.143953	1	5.60629828
	2010	female	all maturity st	all shell condi	1671.94792	1	-2.0698372
	2011	male	all maturity st	all shell condi	78.7809528	1	11.832414
	2011	female	all maturity st	all shell condi	68.5315327	1	21.3092599
	2012	male	all maturity st	all shell condi	357.515557	1	-7.4381607
	2012	female	all maturity st	all shell condi	127.003854	1	13.7019199
	2013	male	all maturity st	all shell condi	236.233284	1	1.54806196
	2013	female	all maturity st	all shell condi	509.264282	1	11.7611994
	2014	male	all maturity st	all shell condi	841.807592	1	9.34127567
	2014	female	all maturity st	all shell condi	807.244533	1	-5.1054324
	2015	male	all maturity st	all shell condi	201.662054	1	14.5172157
	2015	female	all maturity st	all shell condi	209.781941	1	4.75615055
	2016	male	all maturity st	all shell condi	199.512332	1	-5.1243058
	2016	female	all maturity st	all shell condi	52.7140579	1	26.192248
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.1809422	20	0.37651091
all		female	all maturity st	all shell condi	0.00736824	20	0.00062435
	1992	male	all maturity st	all shell condi	34.8996815	1	2.59305344
	1992	female	all maturity st	all shell condi	82.9038409	1	0.12653442
	1993	male	all maturity st	all shell condi	40.2447349	1	7.51700177
	1993	female	all maturity st	all shell condi	283.690529	1	0.28628172

1996	male	all maturity st	all shell condi	18.5161323	1	0.30361788
1996	female	all maturity st	all shell condi	3.42996642	1	0.03189228
1997	male	all maturity st	all shell condi	25.1571863	1	1.929717
1997	female	all maturity st	all shell condi	28.2106353	1	0.05596922
1998	male	all maturity st	all shell condi	68.1916041	1	0.3388464
1998	female	all maturity st	all shell condi	21.4206706	1	0.07023593
1999	male	all maturity st	all shell condi	48.4151939	1	0.31518436
1999	female	all maturity st	all shell condi	18.0525075	1	0.0264024
2000	male	all maturity st	all shell condi	126.642804	1	0.78990271
2000	female	all maturity st	all shell condi	40.9597617	1	0.06151018
2001	male	all maturity st	all shell condi	127.874065	1	0.30673611
2001	female	all maturity st	all shell condi	50.7622055	1	0.03758993
2002	male	all maturity st	all shell condi	101.403699	1	0.51417757
2002	female	all maturity st	all shell condi	34.7233395	1	0.0516397
2003	male	all maturity st	all shell condi	68.8865518	1	0.60639791
2003	female	all maturity st	all shell condi	52.3618554	1	0.09372646
2004	male	all maturity st	all shell condi	35.9947968	1	0.78702088
2004	female	all maturity st	all shell condi	20.370773	1	0.05825762
2005	male	all maturity st	all shell condi	43.2256274	1	1.76137914
2005	female	all maturity st	all shell condi	12.8289889	1	0.170155
2006	male	all maturity st	all shell condi	22.7209064	1	2.17961493
2006	female	all maturity st	all shell condi	24.5017352	1	0.26318722
2007	male	all maturity st	all shell condi	82.3545163	1	1.34477299
2007	female	all maturity st	all shell condi	109.674464	1	0.08559259
2008	male	all maturity st	all shell condi	69.6732734	1	2.6821827
2008	female	all maturity st	all shell condi	98.5585044	1	0.12388801
2009	male	all maturity st	all shell condi	24.1202905	1	6.11140708
2009	female	all maturity st	all shell condi	102.953952	1	0.05159867
2010	male	all maturity st	all shell condi	51.4308002	1	0.90610253
2010	female	all maturity st	all shell condi	36.6584494	1	0.04365938
2011	male	all maturity st	all shell condi	71.7526398	1	0.34209815
2011	female	all maturity st	all shell condi	5.9502373	1	0.01931781
2012	male	all maturity st	all shell condi	64.4939386	1	0.69990359
2012	female	all maturity st	all shell condi	6.85129874	1	0.21010703
2013	male	all maturity st	all shell condi	67.4431695	1	1.69272775
2013	female	all maturity st	all shell condi	9.56681741	1	0.17883757
2014	male	all maturity st	all shell condi	143.26073	1	1.3218146
2014	female	all maturity st	all shell condi	19.0974707	1	0.0740668
2015	male	all maturity st	all shell condi	167.561909	1	0.89587701
2015	female	all maturity st	all shell condi	83.1672279	1	0.07472504
2016	male	all maturity st	all shell condi	22.870469	1	7.738227

2016	female	all maturity st	all shell condi	19.8528588	1	0.51471326
2015	male	immature	new shell	0.43049509	1	82.8403465
2016	male	immature	new shell	0.43049509	1	96.2878913
2015	female	immature	new shell	0.28473291	1	70.1689
2016	female	immature	new shell	0.28473291	1	59.4284002
1994	male	immature	new shell	0.45608928	0	11.5134649
1995	male	immature	new shell	0.45608928	0	26.8047884
1996	male	immature	new shell	0.45608928	0	313.136565
1997	male	immature	new shell	0.45608928	0	416.716305
1998	male	immature	new shell	0.45608928	0	434.377456
1999	male	immature	new shell	0.45608928	0	402.277853
2000	male	immature	new shell	0.45608928	0	644.197938
2001	male	immature	new shell	0.45608928	0	741.947273
2002	male	immature	new shell	0.45608928	0	692.457324
2003	male	immature	new shell	0.45608928	0	240.105299
2004	male	immature	new shell	0.45608928	0	155.443136
2005	male	immature	new shell	0.45608928	0	82.5545404
2006	male	immature	new shell	0.45608928	0	10.0348539
2011	male	immature	new shell	0.45608928	0	1.94519826
2012	male	immature	new shell	0.45608928	0	2.63110226
1994	female	immature	new shell	0.46536065	0	15.036643
1995	female	immature	new shell	0.46536065	0	14.5417917
1996	female	immature	new shell	0.46536065	0	212.672733
1997	female	immature	new shell	0.46536065	0	166.862202
1998	female	immature	new shell	0.46536065	0	228.699583
1999	female	immature	new shell	0.46536065	0	296.507938
2000	female	immature	new shell	0.46536065	0	557.541596
2001	female	immature	new shell	0.46536065	0	540.320145
2002	female	immature	new shell	0.46536065	0	341.917368
2003	female	immature	new shell	0.46536065	0	90.9352112
2004	female	immature	new shell	0.46536065	0	97.9787929
2005	female	immature	new shell	0.46536065	0	25.0784005
2006	female	immature	new shell	0.46536065	0	8.19957858
2012	female	immature	new shell	0.46536065	0	2.39952792
1990	male		new shell	2.448731	1	54.3876467
1991	male		new shell	2.448731	1	56.9638048
1992	male		new shell	2.448731	1	18.133295
1993	male		new shell	2.448731	1	26.4846641
1994	male		new shell	2.448731	1	20.8822246
1995	male		new shell	2.448731	1	13.708956
1997	male		new shell	2.448731	1	10.2339035

	1998	male		new shell	2.448731	1	24.4345316
	1999	male		new shell	2.448731	1	12.3358827
	2000	male		new shell	2.448731	1	20.9395578
	2001	male		new shell	2.448731	1	25.486407
	2002	male		new shell	2.448731	1	18.6659345
	2003	male		new shell	2.448731	1	11.7942746
	2004	male		new shell	2.448731	1	17.2796171
	2005	male		new shell	2.448731	1	63.9222364
	2008	male		new shell	2.448731	1	47.0222899
	2010	male		new shell	2.448731	1	60.9181612
	2012	male		new shell	2.448731	1	15.5631011
	2014	male		new shell	2.448731	1	20.4428399
	2016	male		new shell	2.448731	1	38.438026
	2017	male		new shell	2.448731	1	15.7381695
all		male	immature	new shell	0.09975135	1	922.408647
all		male	mature	new shell	0.09975135	1	922.408647
all		male	immature	old shell	0.09975135	1	922.408647
all		male	mature	old shell	0.09975135	1	922.408647
all		female	immature	new shell	0.09975135	1	922.408647
all		female	mature	new shell	0.09975135	1	922.408647
all		female	immature	old shell	0.09975135	1	922.408647
all		female	mature	old shell	0.09975135	1	922.408647
all		male	immature	new shell	0.09975135	1	557.660677
all		male	mature	new shell	0.09975135	1	557.660677
all		male	immature	old shell	0.09975135	1	557.660677
all		male	mature	old shell	0.09975135	1	557.660677
all		female	immature	new shell	0.09975135	1	557.660677
all		female	mature	new shell	0.09975135	1	557.660677
all		female	immature	old shell	0.09975135	1	557.660677
all		female	mature	old shell	0.09975135	1	557.660677
all		male	immature	all shell condi	3.54555006	0	270.274893
all		male	mature	all shell condi	2.21547817	0	105.529386
all		female	immature	all shell condi	3.1722243	0	216.354651
all		female	mature	all shell condi	2.58189349	0	143.322741
all		male	mature	all shell condi	2.21986176	1	105.947404
all		female	mature	all shell condi	2.30944708	1	114.671235
	1975	male	immature	all shell condi	157.517486	1	25.4508824
	1975	male	mature	all shell condi	93.8501296	1	37.3813317
	1975	female	immature	all shell condi	127.023017	1	9.0864304
	1975	female	mature	all shell condi	79.3732319	1	-13.355199
	1976	male	immature	all shell condi	287.898212	1	16.5415471

1976	male	mature	all shell condi	218.683033	1	4.27139461
1976	female	immature	all shell condi	191.409631	1	9.1121186
1976	female	mature	all shell condi	137.079822	1	-3.4476225
1977	male	immature	all shell condi	142.435281	1	7.54310772
1977	male	mature	all shell condi	209.907661	1	-1.5004828
1977	female	immature	all shell condi	48.8930083	1	33.6376184
1977	female	mature	all shell condi	270.224399	1	0.47954284
1978	male	immature	all shell condi	426.459425	1	1.59672137
1978	male	mature	all shell condi	237.873222	1	8.98209849
1978	female	immature	all shell condi	98.799937	1	11.700553
1978	female	mature	all shell condi	417.340907	1	0.83985843
1979	male	immature	all shell condi	127.418817	1	19.347232
1979	male	mature	all shell condi	251.808707	1	-4.5673114
1979	female	immature	all shell condi	278.221247	1	-7.9837508
1979	female	mature	all shell condi	114.571626	1	19.8930292
1980	male	immature	all shell condi	66.2531194	1	37.2140134
1980	male	mature	all shell condi	159.789898	1	-11.571292
1980	female	immature	all shell condi	990.038428	1	-1.9027377
1980	female	mature	all shell condi	73.8731014	1	12.2435733
1981	male	immature	all shell condi	266.662036	1	13.2390117
1981	male	mature	all shell condi	473.734364	1	-10.819159
1981	female	immature	all shell condi	153.192173	1	-6.6863142
1981	female	mature	all shell condi	34.4731325	1	46.9014452
1982	male	immature	all shell condi	186.170172	1	-11.658203
1982	male	mature	all shell condi	388.498252	1	-11.201003
1982	female	immature	all shell condi	116.862313	1	-7.7702293
1982	female	mature	all shell condi	8.08530422	1	123.577406
1983	male	immature	all shell condi	207.238251	1	2.98832716
1983	male	mature	all shell condi	744.287516	1	-1.184046
1983	female	immature	all shell condi	217.509324	1	5.26652745
1983	female	mature	all shell condi	177.047883	1	14.8382042
1984	male	immature	all shell condi	280.762846	1	-13.732269
1984	male	mature	all shell condi	180.697237	1	18.4505521
1984	female	immature	all shell condi	144.50246	1	-7.2640123
1984	female	mature	all shell condi	95.2411937	1	26.7234466
1985	male	immature	all shell condi	172.683293	1	-17.457261
1985	male	mature	all shell condi	63.4283953	1	38.5591197
1985	female	immature	all shell condi	109.374215	1	-18.911108
1985	female	mature	all shell condi	68.1476591	1	37.342103
1986	male	immature	all shell condi	385.654143	1	7.93351897
1986	male	mature	all shell condi	112.345471	1	22.5442425

1986	female	immature	all shell condi	175.118911	1	-5.5083475
1986	female	mature	all shell condi	157.320223	1	-0.8692545
1987	male	immature	all shell condi	180.485486	1	8.50725283
1987	male	mature	all shell condi	1361.5549	1	1.43814659
1987	female	immature	all shell condi	48.7462381	1	53.6600903
1987	female	mature	all shell condi	123.690977	1	-6.4862098
1988	male	immature	all shell condi	662.12344	1	5.29815915
1988	male	mature	all shell condi	1372.61867	1	3.28813072
1988	female	immature	all shell condi	346.855945	1	-4.3036359
1988	female	mature	all shell condi	110.189802	1	13.8448159
1989	male	immature	all shell condi	170.192135	1	15.4652811
1989	male	mature	all shell condi	659.658465	1	-3.115225
1989	female	immature	all shell condi	93.7200291	1	19.5862962
1989	female	mature	all shell condi	132.416894	1	-6.7760936
1990	male	immature	all shell condi	750.408461	1	5.28815262
1990	male	mature	all shell condi	407.89348	1	-9.4526689
1990	female	immature	all shell condi	267.038211	1	8.34541307
1990	female	mature	all shell condi	337.421174	1	10.4360836
1991	male	immature	all shell condi	344.73688	1	10.4135514
1991	male	mature	all shell condi	483.78897	1	-11.70393
1991	female	immature	all shell condi	170.555328	1	6.96770703
1991	female	mature	all shell condi	642.492791	1	10.1603893
1992	male	immature	all shell condi	673.529909	1	12.0850261
1992	male	mature	all shell condi	255.339957	1	3.32641679
1992	female	immature	all shell condi	311.557084	1	2.8484554
1992	female	mature	all shell condi	1031.03983	1	-1.1948695
1993	male	immature	all shell condi	373.64846	1	17.9719308
1993	male	mature	all shell condi	257.267145	1	9.55011317
1993	female	immature	all shell condi	476.950071	1	3.54101117
1993	female	mature	all shell condi	254.958829	1	-13.88406
1994	male	immature	all shell condi	298.554083	1	10.8291017
1994	male	mature	all shell condi	278.173544	1	3.65926194
1994	female	immature	all shell condi	81.9569498	1	18.5956974
1994	female	mature	all shell condi	322.35852	1	-11.079496
1995	male	immature	all shell condi	375.965961	1	-2.809873
1995	male	mature	all shell condi	287.261678	1	2.8641755
1995	female	immature	all shell condi	396.591051	1	-2.1189059
1995	female	mature	all shell condi	177.758439	1	21.2181444
1996	male	immature	all shell condi	629.666907	1	0.05385154
1996	male	mature	all shell condi	322.984636	1	4.7062231
1996	female	immature	all shell condi	335.967028	1	-0.6335508

1996	female	mature	all shell condi	329.209374	1	11.0330742
1997	male	immature	all shell condi	476.633021	1	5.61343007
1997	male	mature	all shell condi	1277.31707	1	-5.1340004
1997	female	immature	all shell condi	111.316438	1	18.3127508
1997	female	mature	all shell condi	507.289385	1	-6.7176783
1998	male	immature	all shell condi	212.229692	1	15.2305542
1998	male	mature	all shell condi	2340.73435	1	-4.2800106
1998	female	immature	all shell condi	410.649205	1	14.665062
1998	female	mature	all shell condi	160.827955	1	-10.132341
1999	male	immature	all shell condi	151.154841	1	14.2649372
1999	male	mature	all shell condi	1471.5585	1	1.33178145
1999	female	immature	all shell condi	176.047818	1	7.6094373
1999	female	mature	all shell condi	403.257201	1	-3.9237341
2000	male	immature	all shell condi	175.323724	1	7.13295583
2000	male	mature	all shell condi	922.65134	1	5.86555885
2000	female	immature	all shell condi	344.151695	1	0.73040684
2000	female	mature	all shell condi	264.253696	1	-0.4142539
2001	male	immature	all shell condi	296.331249	1	11.3983809
2001	male	mature	all shell condi	948.896677	1	-4.9041703
2001	female	immature	all shell condi	305.118503	1	12.5842205
2001	female	mature	all shell condi	352.883421	1	-4.7928067
2002	male	immature	all shell condi	160.257813	1	8.98406232
2002	male	mature	all shell condi	1667.95756	1	-3.4468821
2002	female	immature	all shell condi	111.44909	1	17.0454375
2002	female	mature	all shell condi	907.163305	1	-3.8616991
2003	male	immature	all shell condi	338.209393	1	5.95193306
2003	male	mature	all shell condi	3260.54266	1	0.99400262
2003	female	immature	all shell condi	237.812765	1	-5.3253801
2003	female	mature	all shell condi	247.350703	1	10.6852919
2004	male	immature	all shell condi	207.458612	1	3.07282077
2004	male	mature	all shell condi	613.806991	1	9.7187235
2004	female	immature	all shell condi	153.571213	1	11.3905187
2004	female	mature	all shell condi	364.451899	1	-3.9774727
2005	male	immature	all shell condi	367.598975	1	2.42036387
2005	male	mature	all shell condi	1495.31025	1	-5.4779676
2005	female	immature	all shell condi	242.783285	1	19.0857132
2005	female	mature	all shell condi	1728.21203	1	-2.5302254
2006	male	immature	all shell condi	392.105524	1	11.2664946
2006	male	mature	all shell condi	1518.5619	1	-1.8355609
2006	female	immature	all shell condi	197.244845	1	11.1634891
2006	female	mature	all shell condi	616.665349	1	-5.6057121

2007	male	immature	all shell condi	188.425142	1	28.1118916
2007	male	mature	all shell condi	992.869054	1	0.43580508
2007	female	immature	all shell condi	683.550881	1	0.09754535
2007	female	mature	all shell condi	176.6965	1	-10.271815
2008	male	immature	all shell condi	518.129947	1	13.7452376
2008	male	mature	all shell condi	1395.64687	1	0.29208184
2008	female	immature	all shell condi	577.821608	1	2.51567441
2008	female	mature	all shell condi	685.899393	1	-6.9525865
2009	male	immature	all shell condi	116.379886	1	5.31157876
2009	male	mature	all shell condi	599.978104	1	8.01995133
2009	female	immature	all shell condi	77.0144855	1	1.23396236
2009	female	mature	all shell condi	1040.55149	1	4.91292318
2010	male	immature	all shell condi	318.807452	1	1.57131005
2010	male	mature	all shell condi	438.163245	1	11.9842093
2010	female	immature	all shell condi	203.799424	1	-1.5493371
2010	female	mature	all shell condi	5020.732	1	-1.1558596
2011	male	immature	all shell condi	372.67748	1	10.8436874
2011	male	mature	all shell condi	2271.09622	1	-1.6683382
2011	female	immature	all shell condi	194.635354	1	12.1787846
2011	female	mature	all shell condi	288.306614	1	-5.5572139
2012	male	immature	all shell condi	322.983291	1	18.2496817
2012	male	mature	all shell condi	1357.7441	1	-2.4245324
2012	female	immature	all shell condi	241.905913	1	1.77405864
2012	female	mature	all shell condi	492.560495	1	-2.5754388
2013	male	immature	all shell condi	877.647732	1	10.5502463
2013	male	mature	all shell condi	349.425638	1	3.86294412
2013	female	immature	all shell condi	514.391024	1	-1.4008012
2013	female	mature	all shell condi	983.292164	1	-0.5475292
2014	male	immature	all shell condi	377.56842	1	15.3107515
2014	male	mature	all shell condi	565.679169	1	2.00560249
2014	female	immature	all shell condi	106.433182	1	13.529005
2014	female	mature	all shell condi	380.022323	1	-7.6295481
2015	male	immature	all shell condi	975.893145	1	8.85446743
2015	male	mature	all shell condi	604.681308	1	1.24421702
2015	female	immature	all shell condi	540.85724	1	2.95933024
2015	female	mature	all shell condi	661.511083	1	-0.8715654
2016	male	immature	all shell condi	443.954718	1	9.83286955
2016	male	mature	all shell condi	205.995596	1	18.1888419
2016	female	immature	all shell condi	371.979326	1	1.62006784
2016	female	mature	all shell condi	370.419516	1	-8.3344104
2017	male	immature	all shell condi	102.229167	1	-0.6325801

	2017	male	mature	all shell condi	169.83914	1	21.5782275
	2017	female	immature	all shell condi	70.4380593	1	7.36196726
	2017	female	mature	all shell condi	991.857784	1	0.68497414
all		male	all maturity s	new shell	3.68170918	0	291.432124
all		male	all maturity s	old shell	4.85446914	0	506.666219
all		female	all maturity s	new shell	0	0	0
all		female	all maturity s	old shell	0	0	0
all		male	all maturity s	new shell	3.20039759	0	220.214711
all		male	all maturity s	old shell	3.81281795	0	312.557986
all		female	all maturity s	new shell	0	0	0
all		female	all maturity s	old shell	0	0	0
	1975	male	all maturity s	new shell	56.4536176	0	33.1734941
	1975	male	all maturity s	old shell	32.7541581	0	34.9301121
	1976	male	all maturity s	new shell	69.8611868	0	19.3375329
	1976	male	all maturity s	old shell	22.0507471	0	55.625984
	1977	male	all maturity s	new shell	51.1672884	0	25.9357546
	1977	male	all maturity s	old shell	75.6162045	0	21.8964378
	1978	male	all maturity s	new shell	123.424586	0	14.1450292
	1978	male	all maturity s	old shell	40.4159851	0	42.9281636
	1979	male	all maturity s	new shell	88.6595531	0	10.3854122
	1979	male	all maturity s	old shell	22.2828704	0	78.380211
	1980	male	all maturity s	new shell	50.1422807	0	18.1358219
	1980	male	all maturity s	old shell	20.012491	0	95.1299966
	1981	male	all maturity s	new shell	63.6954695	0	17.5564726
	1981	male	all maturity s	old shell	19.0907793	0	66.2867565
	1982	male	all maturity s	new shell	52.8748917	0	21.8079079
	1982	male	all maturity s	old shell	308.150838	0	5.85290932
	1983	male	all maturity s	new shell	69.7043266	0	14.800509
	1983	male	all maturity s	old shell	93.9762624	0	14.589954
	1984	male	all maturity s	new shell	134.610178	0	4.58289819
	1984	male	all maturity s	old shell	65.3151238	0	17.9013508
	1985	male	all maturity s	new shell	92.7190996	0	15.2820396
	1985	male	all maturity s	old shell	55.1527265	0	24.9178945
	1986	male	all maturity s	new shell	100.742961	0	11.7359044
	1986	male	all maturity s	old shell	88.4148314	0	15.4174453
	1987	male	all maturity s	new shell	73.4154685	0	11.2226918
	1987	male	all maturity s	old shell	115.562688	0	15.668652
	1988	male	all maturity s	new shell	161.778261	0	6.59866153
	1988	male	all maturity s	old shell	150.980432	0	12.5017979
	1989	male	all maturity s	new shell	109.124148	0	9.59033236
	1989	male	all maturity s	old shell	374.459858	0	7.53857638

1990	male	all maturity st	new shell	347.994337	0 3.95989588
1990	male	all maturity st	old shell	215.122942	0 8.18144182
1991	male	all maturity st	new shell	221.56832	0 5.23346653
1991	male	all maturity st	old shell	196.724833	0 9.08962
1992	male	all maturity st	new shell	203.321336	0 6.49665088
1992	male	all maturity st	old shell	75.6546183	0 15.7286094
1993	male	all maturity st	new shell	235.996636	0 5.22925556
1993	male	all maturity st	old shell	100.599612	0 10.9859577
1994	male	all maturity st	new shell	202.978816	0 5.36186383
1994	male	all maturity st	old shell	68.3370308	0 17.1526204
1995	male	all maturity st	new shell	89.1487117	0 10.3886901
1995	male	all maturity st	old shell	57.7657371	0 22.9785387
1996	male	all maturity st	new shell	132.986158	0 10.0998447
1996	male	all maturity st	old shell	49.9214887	0 22.7878992
1997	male	all maturity st	new shell	158.141321	0 6.47604011
1997	male	all maturity st	old shell	147.325137	0 15.4161773
1998	male	all maturity st	new shell	163.699553	0 5.14175608
1998	male	all maturity st	old shell	413.121828	0 6.53228355
1999	male	all maturity st	new shell	73.9348126	0 11.9425626
1999	male	all maturity st	old shell	138.639837	0 9.59734041
2000	male	all maturity st	new shell	104.81065	0 6.48090381
2000	male	all maturity st	old shell	125.976958	0 12.6127436
2001	male	all maturity st	new shell	156.795246	0 6.9127571
2001	male	all maturity st	old shell	144.114383	0 13.1185219
2002	male	all maturity st	new shell	63.9802634	0 12.3354146
2002	male	all maturity st	old shell	306.439041	0 8.53592284
2003	male	all maturity st	new shell	148.358113	0 6.58113222
2003	male	all maturity st	old shell	182.365743	0 11.576167
2004	male	all maturity st	new shell	98.6560247	0 8.80437826
2004	male	all maturity st	old shell	74.8164332	0 24.8840066
2005	male	all maturity st	new shell	161.008381	0 6.9544956
2005	male	all maturity st	old shell	315.330815	0 8.27638484
2006	male	all maturity st	new shell	168.004767	0 7.9554111
2006	male	all maturity st	old shell	227.909671	0 11.2865231
2007	male	all maturity st	new shell	239.766083	0 6.35007243
2007	male	all maturity st	old shell	262.675377	0 11.6119155
2008	male	all maturity st	new shell	387.690274	0 3.65511837
2008	male	all maturity st	old shell	153.946912	0 12.4196975
2009	male	all maturity st	new shell	37.0138386	0 16.6366958
2009	male	all maturity st	old shell	146.882406	0 9.32646562
2010	male	all maturity st	new shell	64.1142154	0 16.6962084

	2010	male	all maturity st	old shell	225.909292	0	7.47777672
	2011	male	all maturity st	new shell	184.857646	0	4.00096351
	2011	male	all maturity st	old shell	162.555806	0	10.778771
	2012	male	all maturity st	new shell	257.020361	0	3.21909349
	2012	male	all maturity st	old shell	124.554774	0	11.1307823
	2013	male	all maturity st	new shell	169.810394	0	6.6531459
	2013	male	all maturity st	old shell	208.587422	0	10.9910916
	2014	male	all maturity st	new shell	251.05739	0	5.62434712
	2014	male	all maturity st	old shell	112.383878	0	11.8396647
	2015	male	all maturity st	new shell	507.276112	0	4.26814079
	2015	male	all maturity st	old shell	144.829365	0	10.1174596
	2016	male	all maturity st	new shell	180.384369	0	8.38967983
	2016	male	all maturity st	old shell	93.7196141	0	13.7724051
	2017	male	all maturity st	new shell	28.4120163	0	14.491473
	2017	male	all maturity st	old shell	87.7323443	0	13.6517091
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.1722243	0	216.354651
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.75057534	0	162.661792
all		female	mature	old shell	3.1569777	0	214.279927
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.00085627	0	193.610474
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.70540561	0	157.36322
all		female	mature	old shell	2.81664874	0	170.570468
	1975	female	immature	new shell	14.0370737	0	32.4925828
	1975	female	mature	new shell	81.6262663	0	4.08087796
	1975	female	mature	old shell	9.80063859	0	26.0714409
	1976	female	immature	new shell	40.8093176	0	7.91084102
	1976	female	mature	new shell	58.7529655	0	5.75591486
	1976	female	mature	old shell	10.7369335	0	26.8563099
	1977	female	immature	new shell	24.7200858	0	12.2262583
	1977	female	mature	new shell	59.794904	0	7.56699228
	1977	female	mature	old shell	28.4502274	0	11.5632346
	1978	female	immature	new shell	27.3858379	0	9.2582749

1978	female	mature	new shell	143.47012	0	2.2538275
1978	female	mature	old shell	39.8281584	0	7.62663782
1979	female	immature	new shell	45.2870696	0	4.74487209
1979	female	mature	new shell	45.9478707	0	9.01968885
1979	female	mature	old shell	28.0563942	0	10.6600603
1980	female	immature	new shell	111.765327	0	3.87050086
1980	female	mature	new shell	12.3920622	0	16.7409218
1980	female	mature	old shell	23.7636548	0	11.478441
1981	female	immature	new shell	44.4808819	0	9.93626628
1981	female	mature	new shell	9.34722506	0	33.4705117
1981	female	mature	old shell	93.2424491	0	5.06584354
1982	female	immature	new shell	40.9889358	0	16.5624137
1982	female	mature	new shell	9.26902712	0	23.7861979
1982	female	mature	old shell	33.1069715	0	7.96254847
1983	female	immature	new shell	51.0673683	0	6.28659077
1983	female	mature	new shell	47.3887021	0	9.292851
1983	female	mature	old shell	132.863754	0	2.12218111
1984	female	immature	new shell	35.0041971	0	5.71500337
1984	female	mature	new shell	32.3056362	0	6.93609433
1984	female	mature	old shell	232.550666	0	2.11550909
1985	female	immature	new shell	154.34731	0	3.95195134
1985	female	mature	new shell	10.6653244	0	42.9183145
1985	female	mature	old shell	276.481769	0	2.66115641
1986	female	immature	new shell	71.5787671	0	5.92478417
1986	female	mature	new shell	6.22120006	0	39.3950773
1986	female	mature	old shell	26.9616305	0	11.8163157
1987	female	immature	new shell	18.3444735	0	33.7705183
1987	female	mature	new shell	31.7218516	0	12.1598933
1987	female	mature	old shell	20.0703756	0	19.584781
1988	female	immature	new shell	133.126635	0	5.17631054
1988	female	mature	new shell	14.3946664	0	24.5176444
1988	female	mature	old shell	30.9901464	0	11.3388181
1989	female	immature	new shell	40.4097522	0	6.51039174
1989	female	mature	new shell	23.5430382	0	13.0272044
1989	female	mature	old shell	39.8466155	0	10.9945327
1990	female	immature	new shell	64.2355456	0	5.72286964
1990	female	mature	new shell	226.999921	0	1.53952812
1990	female	mature	old shell	34.4296346	0	10.8388556
1991	female	immature	new shell	24.4445341	0	12.1976555
1991	female	mature	new shell	108.587151	0	2.47089235
1991	female	mature	old shell	121.609443	0	3.47319903

1992	female	immature	new shell	28.57322	0	13.9506187
1992	female	mature	new shell	96.4523502	0	4.42239327
1992	female	mature	old shell	117.410122	0	3.00543533
1993	female	immature	new shell	47.794508	0	9.16797049
1993	female	mature	new shell	42.9083773	0	6.03837141
1993	female	mature	old shell	161.932968	0	2.26156579
1994	female	immature	new shell	28.4189806	0	11.0450409
1994	female	mature	new shell	37.4493116	0	10.410522
1994	female	mature	old shell	180.609813	0	2.25834542
1995	female	immature	new shell	72.0491597	0	7.09898217
1995	female	mature	new shell	25.7494966	0	14.5053422
1995	female	mature	old shell	403.078908	0	0.9621786
1996	female	immature	new shell	66.9703943	0	7.63433646
1996	female	mature	new shell	21.093272	0	13.2381522
1996	female	mature	old shell	182.229293	0	1.86679687
1997	female	immature	new shell	58.5241143	0	3.75008118
1997	female	mature	new shell	70.1600842	0	4.04498445
1997	female	mature	old shell	158.153601	0	2.63842967
1998	female	immature	new shell	328.194068	0	1.44110511
1998	female	mature	new shell	41.5219204	0	7.82111298
1998	female	mature	old shell	168.31882	0	3.00347013
1999	female	immature	new shell	60.6741119	0	6.00961073
1999	female	mature	new shell	12.9575891	0	18.1703401
1999	female	mature	old shell	118.231617	0	2.39360948
2000	female	immature	new shell	98.9440683	0	2.39887625
2000	female	mature	new shell	24.6905373	0	10.7679271
2000	female	mature	old shell	25.2259561	0	13.0015519
2001	female	immature	new shell	176.050443	0	1.97241498
2001	female	mature	new shell	132.455844	0	4.62668024
2001	female	mature	old shell	39.6421285	0	6.3229098
2002	female	immature	new shell	53.5903947	0	5.20055407
2002	female	mature	new shell	49.5592712	0	7.06199063
2002	female	mature	old shell	62.3771441	0	3.56415914
2003	female	immature	new shell	77.0753036	0	4.12312737
2003	female	mature	new shell	206.823022	0	1.76653541
2003	female	mature	old shell	57.4853248	0	8.01068569
2004	female	immature	new shell	59.7987322	0	6.37871298
2004	female	mature	new shell	139.199823	0	1.55402435
2004	female	mature	old shell	43.6184616	0	9.59909515
2005	female	immature	new shell	349.577533	0	1.80302408
2005	female	mature	new shell	114.841803	0	3.48539634

	2005	female	mature	old shell	367.319843	0	2.32262369
	2006	female	immature	new shell	51.375943	0	7.33678131
	2006	female	mature	new shell	150.157683	0	2.36708524
	2006	female	mature	old shell	197.816791	0	2.54045722
	2007	female	immature	new shell	112.001184	0	3.67923309
	2007	female	mature	new shell	41.820251	0	8.14037365
	2007	female	mature	old shell	552.451903	0	0.71249441
	2008	female	immature	new shell	80.4340536	0	5.19412083
	2008	female	mature	new shell	128.059857	0	3.98987356
	2008	female	mature	old shell	412.749239	0	0.81668918
	2009	female	immature	new shell	22.4968649	0	10.2725092
	2009	female	mature	new shell	34.9943242	0	5.8344048
	2009	female	mature	old shell	547.513058	0	0.74685354
	2010	female	immature	new shell	78.1125164	0	4.99792114
	2010	female	mature	new shell	158.675212	0	2.20910609
	2010	female	mature	old shell	599.554747	0	0.68377722
	2011	female	immature	new shell	62.456851	0	6.54097811
	2011	female	mature	new shell	24.0687332	0	9.20689171
	2011	female	mature	old shell	145.21719	0	2.70981933
	2012	female	immature	new shell	60.6677586	0	6.71997338
	2012	female	mature	new shell	28.8089742	0	7.79334378
	2012	female	mature	old shell	181.876749	0	1.78218948
	2013	female	immature	new shell	103.173858	0	4.41842765
	2013	female	mature	new shell	434.099342	0	1.20282812
	2013	female	mature	old shell	47.6903288	0	6.18659192
	2014	female	immature	new shell	18.8287286	0	21.037801
	2014	female	mature	new shell	74.1897215	0	2.89343844
	2014	female	mature	old shell	57.8286296	0	5.5938917
	2015	female	immature	new shell	70.660731	0	6.45330263
	2015	female	mature	new shell	21.188092	0	10.8893082
	2015	female	mature	old shell	230.70593	0	1.63762942
	2016	female	immature	new shell	43.7241111	0	9.9221095
	2016	female	mature	new shell	82.090779	0	6.90247089
	2016	female	mature	old shell	85.0785702	0	3.10470616
	2017	female	immature	new shell	15.7261281	0	12.4361815
	2017	female	mature	new shell	30.8339675	0	16.5077812
	2017	female	mature	old shell	137.478783	0	1.58881653
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.24029369	20	1.0970801
all		female	all maturity st	all shell condi	0	20	0

	1980	male	all maturity st	all shell condi	19.5499858	1	18.5621419
	1981	male	all maturity st	all shell condi	1748.2135	1	0.32580475
	1982	male	all maturity st	all shell condi	450.327414	1	2.37382865
	1983	male	all maturity st	all shell condi	36.3306847	1	1.89363642
	1984	male	all maturity st	all shell condi	236.927105	1	0.88257889
	1988	male	all maturity st	all shell condi	133.048727	1	5.05881939
	1989	male	all maturity st	all shell condi	1027.35021	1	0.57316972
	1990	male	all maturity st	all shell condi	297.583148	1	2.95941667
	1991	male	all maturity st	all shell condi	170.211746	1	4.9886376
	1992	male	all maturity st	all shell condi	87.1384089	1	12.5055882
	1993	male	all maturity st	all shell condi	135.293468	1	7.71599564
	1994	male	all maturity st	all shell condi	141.553451	1	11.5742195
	1995	male	all maturity st	all shell condi	78.5392778	1	0.65560263
	1996	male	all maturity st	all shell condi	104.923997	1	1.76342506
	2005	male	all maturity st	all shell condi	15.230332	1	1.41337822
	2006	male	all maturity st	all shell condi	164.849391	1	0.81239735
	2007	male	all maturity st	all shell condi	783.881335	1	1.07177898
	2008	male	all maturity st	all shell condi	393.836483	1	0.77752659
	2009	male	all maturity st	all shell condi	82.8020766	1	0.97226004
	2013	male	all maturity st	all shell condi	441.961281	1	0.53641353
	2014	male	all maturity st	all shell condi	368.402461	1	2.35780417
	2015	male	all maturity st	all shell condi	284.546203	1	5.42316907
all		male	all maturity st	all shell condi	0.20029802	20	0.26077543
all		female	all maturity st	all shell condi	0.49421822	20	1.5876357
	1991	male	all maturity st	all shell condi	928.610279	1	1.61262766
	1991	female	all maturity st	all shell condi	628.727082	1	1.18004587
	1992	male	all maturity st	all shell condi	138.473875	1	18.2635032
	1992	female	all maturity st	all shell condi	396.214935	1	0.60983886
	1993	male	all maturity st	all shell condi	162.35882	1	12.6417873
	1993	female	all maturity st	all shell condi	353.201422	1	0.96299605
	1994	male	all maturity st	all shell condi	143.96762	1	3.09082282
	1994	female	all maturity st	all shell condi	61.3318249	1	1.28962513
	1995	male	all maturity st	all shell condi	595.71617	1	0.64741122
	1995	female	all maturity st	all shell condi	94.3101141	1	0.92413446
	1996	male	all maturity st	all shell condi	39.4748184	1	1.14672653
	1996	female	all maturity st	all shell condi	255.506201	1	0.05534807
	2005	male	all maturity st	all shell condi	119.148969	1	13.3235751
	2005	female	all maturity st	all shell condi	41.0945161	1	0.9353754
	2006	male	all maturity st	all shell condi	312.347779	1	4.70228003
	2006	female	all maturity st	all shell condi	439.621622	1	0.76725774
	2007	male	all maturity st	all shell condi	613.079595	1	4.50801741

	2007	female	all maturity st	all shell condi	324.184721	1	0.38849388
	2008	male	all maturity st	all shell condi	573.196314	1	4.66841013
	2008	female	all maturity st	all shell condi	46.7670308	1	0.31748219
	2009	male	all maturity st	all shell condi	187.232077	1	6.38346118
	2009	female	all maturity st	all shell condi	23.2597689	1	0.18745868
	2013	male	all maturity st	all shell condi	2531.29307	1	1.284269
	2013	female	all maturity st	all shell condi	64.754212	1	0.59559116
	2014	male	all maturity st	all shell condi	346.607646	1	8.28396218
	2014	female	all maturity st	all shell condi	173.750545	1	0.21026279
	2015	male	all maturity st	all shell condi	202.346115	1	10.4542559
	2015	female	all maturity st	all shell condi	77.037009	1	1.02511058
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.04117158	20	0.02118873
all		female	all maturity st	all shell condi	0.31512712	20	1.24131378
	1992	male	all maturity st	all shell condi	422.103693	1	2.16935468
	1992	female	all maturity st	all shell condi	19.2129478	1	0.92466566
	1993	male	all maturity st	all shell condi	203.149209	1	1.95062688
	1993	female	all maturity st	all shell condi	31.2012744	1	1.15011828
	1994	male	all maturity st	all shell condi	86.9693673	1	1.54370489
	1994	female	all maturity st	all shell condi	41.1735305	1	1.84047861
	1995	male	all maturity st	all shell condi	135.166147	1	0.65332412
	1995	female	all maturity st	all shell condi	45.1633978	1	0.25918309
	1996	male	all maturity st	all shell condi	112.678511	1	2.61287743
	1996	female	all maturity st	all shell condi	49.0478666	1	0.38187727
	1997	male	all maturity st	all shell condi	317.775422	1	1.14425157
	1997	female	all maturity st	all shell condi	116.419015	1	0.18918532
	1998	male	all maturity st	all shell condi	431.905295	1	0.29106356
	1998	female	all maturity st	all shell condi	22.2100513	1	0.29902351
	1999	male	all maturity st	all shell condi	153.118425	1	0.34032767
	1999	female	all maturity st	all shell condi	31.2969514	1	0.06815778
	2000	male	all maturity st	all shell condi	168.210853	1	0.37798701
	2000	female	all maturity st	all shell condi	31.9214447	1	0.0964433
	2001	male	all maturity st	all shell condi	323.728516	1	0.4081476
	2001	female	all maturity st	all shell condi	124.165257	1	0.06152071
	2002	male	all maturity st	all shell condi	59.6326254	1	0.81384893
	2002	female	all maturity st	all shell condi	47.9629332	1	0.06099659
	2003	male	all maturity st	all shell condi	114.131801	1	0.40033281
	2003	female	all maturity st	all shell condi	46.471239	1	0.09647233
	2004	male	all maturity st	all shell condi	23.3755075	1	1.87726081
	2004	female	all maturity st	all shell condi	31.7920616	1	0.7964416

	2005	male	all maturity st	all shell condi	113.529835	1	4.73614222
	2005	female	all maturity st	all shell condi	147.385856	1	0.14372397
	2006	male	all maturity st	all shell condi	74.5791422	1	6.02509632
	2006	female	all maturity st	all shell condi	54.1146074	1	1.11144256
	2007	male	all maturity st	all shell condi	335.954352	1	2.36050626
	2007	female	all maturity st	all shell condi	48.7055133	1	0.41647412
	2008	male	all maturity st	all shell condi	92.2957591	1	7.01003086
	2008	female	all maturity st	all shell condi	14.1186272	1	2.22603021
	2009	male	all maturity st	all shell condi	448.742556	1	2.03470561
	2009	female	all maturity st	all shell condi	18.8202974	1	0.98615593
	2010	male	all maturity st	all shell condi	309.192672	1	1.49423495
	2010	female	all maturity st	all shell condi	60.9755468	1	0.21359715
	2011	male	all maturity st	all shell condi	191.614274	1	3.37637749
	2011	female	all maturity st	all shell condi	56.34134	1	0.19162487
	2012	male	all maturity st	all shell condi	195.144132	1	2.79739557
	2012	female	all maturity st	all shell condi	40.2171314	1	0.20769816
	2013	male	all maturity st	all shell condi	263.886649	1	2.51245314
	2013	female	all maturity st	all shell condi	258.500148	1	0.07375993
	2014	male	all maturity st	all shell condi	411.270367	1	3.17690106
	2014	female	all maturity st	all shell condi	50.163195	1	0.48985941
	2015	male	all maturity st	all shell condi	466.145548	1	2.09308937
	2015	female	all maturity st	all shell condi	111.520163	1	0.09448335
	2016	male	all maturity st	all shell condi	373.159721	1	2.76561499
	2016	female	all maturity st	all shell condi	112.744931	1	0.09498594
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.02775147	20	0.01694317
	1973	male	all maturity st	all shell condi	195.548366	1	-2.8588716
	1973	female	all maturity st	all shell condi	170.895022	1	6.26575251
	1974	male	all maturity st	all shell condi	275.42385	1	-1.5581796
	1974	female	all maturity st	all shell condi	181.50036	1	3.81894052
	1975	male	all maturity st	all shell condi	217.329141	1	-0.5411393
	1975	female	all maturity st	all shell condi	163.071819	1	2.06155881
	1976	male	all maturity st	all shell condi	118.097613	1	-5.4976895
	1976	female	all maturity st	all shell condi	99.0116028	1	21.5348268
	1977	male	all maturity st	all shell condi	185.320076	1	-1.5278321
	1977	female	all maturity st	all shell condi	322.081577	1	15.0104493
	1978	male	all maturity st	all shell condi	222.950064	1	-6.0863807
	1978	female	all maturity st	all shell condi	145.995969	1	26.2859394
	1979	male	all maturity st	all shell condi	512.262058	1	-5.6528308
	1979	female	all maturity st	all shell condi	569.268279	1	13.5517162
	1980	male	all maturity st	all shell condi	516.75473	1	5.33105508

1980	female	all maturity st	all shell condi	834.233546	1	0.64685196
1981	male	all maturity st	all shell condi	639.227655	1	-3.0478982
1981	female	all maturity st	all shell condi	60.0565688	1	12.0336707
1982	male	all maturity st	all shell condi	592.542297	1	6.60948499
1982	female	all maturity st	all shell condi	66.9089856	1	15.1796199
1983	male	all maturity st	all shell condi	294.455188	1	32.8629023
1983	female	all maturity st	all shell condi	140.423346	1	-10.278284
1984	male	all maturity st	all shell condi	403.117365	1	38.4267191
1984	female	all maturity st	all shell condi	248.000981	1	-18.385638
1985	male	all maturity st	all shell condi	196.172309	1	24.0559807
1985	female	all maturity st	all shell condi	290.254215	1	-6.2673745
1986	male	all maturity st	all shell condi	507.463627	1	8.97508369
1986	female	all maturity st	all shell condi	220.196706	1	0.31363624
1987	male	all maturity st	all shell condi	237.444658	1	14.9954505
1987	female	all maturity st	all shell condi	650.756433	1	5.81173959
1988	male	all maturity st	all shell condi	313.242916	1	2.68558841
1988	female	all maturity st	all shell condi	218.852838	1	10.2397323
1989	male	all maturity st	all shell condi	497.151375	1	-6.8594921
1989	female	all maturity st	all shell condi	432.718012	1	21.8175995
1990	male	all maturity st	all shell condi	599.645506	1	15.4502681
1990	female	all maturity st	all shell condi	221.733736	1	-3.9120472
1991	male	all maturity st	all shell condi	280.597292	1	1.30284152
1991	female	all maturity st	all shell condi	184.865197	1	6.37905745
1992	male	all maturity st	all shell condi	214.766529	1	4.50123533
1992	female	all maturity st	all shell condi	61.8692624	1	2.68139236
1993	male	all maturity st	all shell condi	69.2744687	1	3.99364414
1993	female	all maturity st	all shell condi	81.9264786	1	-0.5210232
1994	male	all maturity st	all shell condi	176.964349	1	3.86590345
1994	female	all maturity st	all shell condi	395.145446	1	0.72390227
1995	male	all maturity st	all shell condi	64.5163509	1	9.82226004
1995	female	all maturity st	all shell condi	59.9758596	1	4.27704204
1996	male	all maturity st	all shell condi	165.49314	1	12.9183366
1996	female	all maturity st	all shell condi	505.355064	1	-4.3517919
1997	male	all maturity st	all shell condi	47.7035739	1	23.5442091
1997	female	all maturity st	all shell condi	171.040712	1	5.1289165
1998	male	all maturity st	all shell condi	118.761287	1	9.13839338
1998	female	all maturity st	all shell condi	301.041751	1	6.52394679
1999	male	all maturity st	all shell condi	417.713609	1	4.93300192
1999	female	all maturity st	all shell condi	1080.49041	1	1.68101147
2000	male	all maturity st	all shell condi	365.314682	1	6.40963003
2000	female	all maturity st	all shell condi	764.914428	1	-0.3713429

	2001	male	all maturity st	all shell condi	439.006038	1	10.6210403
	2001	female	all maturity st	all shell condi	1169.17751	1	-3.6933847
	2002	male	all maturity st	all shell condi	376.480623	1	10.9040261
	2002	female	all maturity st	all shell condi	914.58511	1	-0.2176285
	2003	male	all maturity st	all shell condi	188.464346	1	4.19566518
	2003	female	all maturity st	all shell condi	322.393776	1	4.88430053
	2004	male	all maturity st	all shell condi	108.88376	1	-2.5199956
	2004	female	all maturity st	all shell condi	30.8369835	1	40.3335339
	2005	male	all maturity st	all shell condi	1338.52599	1	3.66986848
	2005	female	all maturity st	all shell condi	1916.47945	1	0.89845725
	2006	male	all maturity st	all shell condi	219.975628	1	11.2236477
	2006	female	all maturity st	all shell condi	146.474191	1	3.59614993
	2007	male	all maturity st	all shell condi	177.655773	1	9.72019311
	2007	female	all maturity st	all shell condi	87.1116597	1	10.5065697
	2008	male	all maturity st	all shell condi	166.508333	1	25.3647003
	2008	female	all maturity st	all shell condi	171.293175	1	-7.9369119
	2009	male	all maturity st	all shell condi	340.386409	1	12.2868873
	2009	female	all maturity st	all shell condi	540.005982	1	-6.381331
	2010	male	all maturity st	all shell condi	570.316297	1	5.0584743
	2010	female	all maturity st	all shell condi	1629.24416	1	-1.797685
	2011	male	all maturity st	all shell condi	75.0256624	1	12.4325026
	2011	female	all maturity st	all shell condi	65.0474142	1	22.3230543
	2012	male	all maturity st	all shell condi	352.978237	1	-7.6644716
	2012	female	all maturity st	all shell condi	121.455105	1	14.1138867
	2013	male	all maturity st	all shell condi	244.461298	1	1.06414978
	2013	female	all maturity st	all shell condi	504.005684	1	12.0212903
	2014	male	all maturity st	all shell condi	952.156999	1	9.12337631
	2014	female	all maturity st	all shell condi	806.291076	1	-5.1296171
	2015	male	all maturity st	all shell condi	208.103996	1	14.2234424
	2015	female	all maturity st	all shell condi	206.92066	1	4.69022232
	2016	male	all maturity st	all shell condi	204.984207	1	-5.5007644
	2016	female	all maturity st	all shell condi	52.8895522	1	26.1418526
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.02812549	20	0.00909699
all		female	all maturity st	all shell condi	0.00772742	20	0.0006867
	1992	male	all maturity st	all shell condi	80.4473149	1	1.55573854
	1992	female	all maturity st	all shell condi	83.3766336	1	0.12658061
	1993	male	all maturity st	all shell condi	117.953352	1	2.61782748
	1993	female	all maturity st	all shell condi	299.916515	1	0.28396381
	1996	male	all maturity st	all shell condi	71.1850771	1	0.11196631

1996	female	all maturity st	all shell condi	3.47298073	1	0.03181177
1997	male	all maturity st	all shell condi	15.5964742	1	3.23346128
1997	female	all maturity st	all shell condi	34.1207847	1	0.04763964
1998	male	all maturity st	all shell condi	41.3665045	1	0.51492568
1998	female	all maturity st	all shell condi	21.729642	1	0.07120211
1999	male	all maturity st	all shell condi	55.8641737	1	0.25272675
1999	female	all maturity st	all shell condi	18.9204777	1	0.02447707
2000	male	all maturity st	all shell condi	170.047199	1	0.60477309
2000	female	all maturity st	all shell condi	41.9370477	1	0.05655981
2001	male	all maturity st	all shell condi	133.118599	1	0.25937284
2001	female	all maturity st	all shell condi	48.5819925	1	0.04215304
2002	male	all maturity st	all shell condi	103.083083	1	0.44979962
2002	female	all maturity st	all shell condi	31.9329516	1	0.05576097
2003	male	all maturity st	all shell condi	73.0440328	1	0.55575044
2003	female	all maturity st	all shell condi	49.6311579	1	0.09245249
2004	male	all maturity st	all shell condi	36.4819484	1	0.7442192
2004	female	all maturity st	all shell condi	19.5051822	1	0.06197599
2005	male	all maturity st	all shell condi	54.6834485	1	1.37467818
2005	female	all maturity st	all shell condi	12.9271496	1	0.16909539
2006	male	all maturity st	all shell condi	25.9773536	1	1.82827182
2006	female	all maturity st	all shell condi	24.6917427	1	0.26131837
2007	male	all maturity st	all shell condi	113.438406	1	0.97190804
2007	female	all maturity st	all shell condi	110.280421	1	0.08523044
2008	male	all maturity st	all shell condi	51.2313367	1	3.55315052
2008	female	all maturity st	all shell condi	99.9416171	1	0.12223892
2009	male	all maturity st	all shell condi	20.59361	1	7.50287474
2009	female	all maturity st	all shell condi	103.51991	1	0.05126876
2010	male	all maturity st	all shell condi	57.8440801	1	0.74286656
2010	female	all maturity st	all shell condi	36.8067662	1	0.04339314
2011	male	all maturity st	all shell condi	86.8710274	1	0.28078441
2011	female	all maturity st	all shell condi	5.9483635	1	0.01930383
2012	male	all maturity st	all shell condi	83.300291	1	0.55583664
2012	female	all maturity st	all shell condi	6.91549409	1	0.20730103
2013	male	all maturity st	all shell condi	63.3849847	1	1.75183843
2013	female	all maturity st	all shell condi	9.66175095	1	0.1770094
2014	male	all maturity st	all shell condi	139.076382	1	1.42418688
2014	female	all maturity st	all shell condi	19.2303984	1	0.07401697
2015	male	all maturity st	all shell condi	302.577378	1	0.57303785
2015	female	all maturity st	all shell condi	83.5859322	1	0.07496586
2016	male	all maturity st	all shell condi	28.0628524	1	6.25288245
2016	female	all maturity st	all shell condi	19.8790268	1	0.51515355

2015	male	immature	new shell	0.43447203	1	83.8974191
2016	male	immature	new shell	0.43447203	1	96.5741343
2015	female	immature	new shell	0.27320689	1	70.2660338
2016	female	immature	new shell	0.27320689	1	59.5081724
1994	male	immature	new shell	0.45607741	0	11.6608321
1995	male	immature	new shell	0.45607741	0	26.8867483
1996	male	immature	new shell	0.45607741	0	317.094923
1997	male	immature	new shell	0.45607741	0	416.620739
1998	male	immature	new shell	0.45607741	0	429.264279
1999	male	immature	new shell	0.45607741	0	402.767487
2000	male	immature	new shell	0.45607741	0	651.099767
2001	male	immature	new shell	0.45607741	0	748.109351
2002	male	immature	new shell	0.45607741	0	689.139101
2003	male	immature	new shell	0.45607741	0	236.725979
2004	male	immature	new shell	0.45607741	0	155.54018
2005	male	immature	new shell	0.45607741	0	81.1410322
2006	male	immature	new shell	0.45607741	0	9.82887911
2011	male	immature	new shell	0.45607741	0	1.95975967
2012	male	immature	new shell	0.45607741	0	2.63810877
1994	female	immature	new shell	0.44635587	0	14.8308129
1995	female	immature	new shell	0.44635587	0	14.1813757
1996	female	immature	new shell	0.44635587	0	212.324423
1997	female	immature	new shell	0.44635587	0	166.00727
1998	female	immature	new shell	0.44635587	0	228.69483
1999	female	immature	new shell	0.44635587	0	291.585737
2000	female	immature	new shell	0.44635587	0	549.895839
2001	female	immature	new shell	0.44635587	0	538.422991
2002	female	immature	new shell	0.44635587	0	342.742825
2003	female	immature	new shell	0.44635587	0	90.738411
2004	female	immature	new shell	0.44635587	0	96.600507
2005	female	immature	new shell	0.44635587	0	25.2092109
2006	female	immature	new shell	0.44635587	0	8.19157273
2012	female	immature	new shell	0.44635587	0	2.41640093
1990	male		new shell	2.50304204	1	56.2730643
1991	male		new shell	2.50304204	1	58.3786461
1992	male		new shell	2.50304204	1	17.901937
1993	male		new shell	2.50304204	1	27.0548524
1994	male		new shell	2.50304204	1	20.7174892
1995	male		new shell	2.50304204	1	13.7374835
1997	male		new shell	2.50304204	1	10.1356268
1998	male		new shell	2.50304204	1	24.4984406

	1999	male		new shell	2.50304204	1	12.2037535
	2000	male		new shell	2.50304204	1	21.3504783
	2001	male		new shell	2.50304204	1	25.7741767
	2002	male		new shell	2.50304204	1	18.801967
	2003	male		new shell	2.50304204	1	11.6839543
	2004	male		new shell	2.50304204	1	17.2914099
	2005	male		new shell	2.50304204	1	63.9697178
	2008	male		new shell	2.50304204	1	46.7983328
	2010	male		new shell	2.50304204	1	61.6758021
	2012	male		new shell	2.50304204	1	15.5008797
	2014	male		new shell	2.50304204	1	20.5889513
	2016	male		new shell	2.50304204	1	37.6528189
	2017	male		new shell	2.50304204	1	16.060477
all		male	immature	new shell	0.09975135	1	2031.59219
all		male	mature	new shell	0.09975135	1	2031.59219
all		male	immature	old shell	0.09975135	1	2031.59219
all		male	mature	old shell	0.09975135	1	2031.59219
all		female	immature	new shell	0.09975135	1	2031.59219
all		female	mature	new shell	0.09975135	1	2031.59219
all		female	immature	old shell	0.09975135	1	2031.59219
all		female	mature	old shell	0.09975135	1	2031.59219
all		male	immature	new shell	0.09975135	1	28781.9432
all		male	mature	new shell	0.09975135	1	28781.9432
all		male	immature	old shell	0.09975135	1	28781.9432
all		male	mature	old shell	0.09975135	1	28781.9432
all		female	immature	new shell	0.09975135	1	28781.9432
all		female	mature	new shell	0.09975135	1	28781.9432
all		female	immature	old shell	0.09975135	1	28781.9432
all		female	mature	old shell	0.09975135	1	28781.9432
all		male	immature	all shell condi	3.56997632	0	274.011715
all		male	mature	all shell condi	2.60117878	0	145.471817
all		female	immature	all shell condi	3.24301477	0	226.118613
all		female	mature	all shell condi	2.67377119	0	153.704627
all		male	mature	all shell condi	2.31230925	1	114.955643
all		female	mature	all shell condi	2.36799128	1	120.558728
	1975	male	immature	all shell condi	300.894432	1	19.2477045
	1975	male	mature	all shell condi	70.516063	1	49.9859771
	1975	female	immature	all shell condi	141.098111	1	6.98877077
	1975	female	mature	all shell condi	63.2388972	1	-12.396336
	1976	male	immature	all shell condi	210.044656	1	19.9016826
	1976	male	mature	all shell condi	172.890527	1	9.69762679

1976	female	immature	all shell condi	187.483916	1	9.47712906
1976	female	mature	all shell condi	96.2303838	1	-4.0234086
1977	male	immature	all shell condi	332.026409	1	1.24998644
1977	male	mature	all shell condi	198.201313	1	2.15452826
1977	female	immature	all shell condi	57.5831502	1	30.6793551
1977	female	mature	all shell condi	182.873928	1	0.76790973
1978	male	immature	all shell condi	241.275216	1	-1.5432882
1978	male	mature	all shell condi	195.037202	1	14.1269147
1978	female	immature	all shell condi	91.8027091	1	12.8438485
1978	female	mature	all shell condi	268.792995	1	3.01164245
1979	male	immature	all shell condi	286.851517	1	8.26493391
1979	male	mature	all shell condi	267.89859	1	-1.6314282
1979	female	immature	all shell condi	284.009557	1	-7.8799534
1979	female	mature	all shell condi	118.473154	1	21.2525143
1980	male	immature	all shell condi	123.519647	1	24.714331
1980	male	mature	all shell condi	205.02116	1	-10.031704
1980	female	immature	all shell condi	821.487156	1	-2.944032
1980	female	mature	all shell condi	87.009337	1	11.6027376
1981	male	immature	all shell condi	321.980554	1	11.0682553
1981	male	mature	all shell condi	964.160054	1	-9.017447
1981	female	immature	all shell condi	131.6461	1	-6.8680661
1981	female	mature	all shell condi	42.3374442	1	41.2190143
1982	male	immature	all shell condi	189.020962	1	-10.044685
1982	male	mature	all shell condi	377.209517	1	-11.637455
1982	female	immature	all shell condi	117.038273	1	-7.7753821
1982	female	mature	all shell condi	8.40355431	1	121.017161
1983	male	immature	all shell condi	218.572745	1	3.17667085
1983	male	mature	all shell condi	783.179806	1	-1.8323895
1983	female	immature	all shell condi	205.54458	1	5.9500136
1983	female	mature	all shell condi	186.281181	1	13.9153252
1984	male	immature	all shell condi	269.980344	1	-13.55959
1984	male	mature	all shell condi	201.189757	1	17.1722686
1984	female	immature	all shell condi	144.542791	1	-6.6679437
1984	female	mature	all shell condi	97.3260521	1	26.3365638
1985	male	immature	all shell condi	153.509396	1	-16.942422
1985	male	mature	all shell condi	66.5910058	1	37.7168628
1985	female	immature	all shell condi	105.339467	1	-18.742594
1985	female	mature	all shell condi	65.0058818	1	38.0217001
1986	male	immature	all shell condi	369.447651	1	7.76717421
1986	male	mature	all shell condi	112.79104	1	22.5545916
1986	female	immature	all shell condi	173.228975	1	-5.5254241

1986	female	mature	all shell condi	161.512562	1	-0.6522089
1987	male	immature	all shell condi	157.262841	1	9.21379959
1987	male	mature	all shell condi	1250.02439	1	2.35685137
1987	female	immature	all shell condi	47.8422207	1	53.5900689
1987	female	mature	all shell condi	134.178086	1	-6.1246197
1988	male	immature	all shell condi	557.053995	1	5.06324432
1988	male	mature	all shell condi	1042.07851	1	5.09095967
1988	female	immature	all shell condi	284.025049	1	-5.6021132
1988	female	mature	all shell condi	107.797754	1	15.0668007
1989	male	immature	all shell condi	197.393295	1	13.7870473
1989	male	mature	all shell condi	786.804043	1	-1.931949
1989	female	immature	all shell condi	106.066582	1	17.1111057
1989	female	mature	all shell condi	141.691926	1	-6.3132833
1990	male	immature	all shell condi	791.879899	1	4.75149924
1990	male	mature	all shell condi	510.744068	1	-8.5438135
1990	female	immature	all shell condi	275.66167	1	6.84390854
1990	female	mature	all shell condi	326.84429	1	10.8703865
1991	male	immature	all shell condi	353.652354	1	10.2285871
1991	male	mature	all shell condi	598.271849	1	-10.626396
1991	female	immature	all shell condi	169.588307	1	6.0381914
1991	female	mature	all shell condi	686.125341	1	9.64964263
1992	male	immature	all shell condi	685.750892	1	12.5478598
1992	male	mature	all shell condi	284.068362	1	3.76989276
1992	female	immature	all shell condi	307.426325	1	2.42910147
1992	female	mature	all shell condi	1049.74059	1	-2.3223718
1993	male	immature	all shell condi	353.12237	1	18.7514274
1993	male	mature	all shell condi	268.153723	1	10.5530137
1993	female	immature	all shell condi	488.569381	1	3.29032677
1993	female	mature	all shell condi	228.101191	1	-15.053742
1994	male	immature	all shell condi	287.246172	1	11.253545
1994	male	mature	all shell condi	288.476654	1	4.91335697
1994	female	immature	all shell condi	79.8640385	1	18.9556106
1994	female	mature	all shell condi	287.129666	1	-12.492349
1995	male	immature	all shell condi	388.669073	1	-2.6561161
1995	male	mature	all shell condi	283.098486	1	3.99006925
1995	female	immature	all shell condi	442.610644	1	-1.8230347
1995	female	mature	all shell condi	206.816474	1	19.1975607
1996	male	immature	all shell condi	616.026771	1	0.32280545
1996	male	mature	all shell condi	311.907271	1	5.74263122
1996	female	immature	all shell condi	351.658807	1	-0.4685478
1996	female	mature	all shell condi	373.057044	1	9.71805935

1997	male	immature	all shell condi	496.684865	1	5.37328758
1997	male	mature	all shell condi	1289.51114	1	-4.9880306
1997	female	immature	all shell condi	106.800786	1	19.121859
1997	female	mature	all shell condi	488.143631	1	-7.1029916
1998	male	immature	all shell condi	215.650966	1	14.9675321
1998	male	mature	all shell condi	2346.95764	1	-4.1355394
1998	female	immature	all shell condi	387.099662	1	14.9211446
1998	female	mature	all shell condi	160.877343	1	-10.220568
1999	male	immature	all shell condi	160.640135	1	13.5937529
1999	male	mature	all shell condi	1399.88831	1	1.35741921
1999	female	immature	all shell condi	162.934894	1	8.46498379
1999	female	mature	all shell condi	398.374822	1	-4.0806169
2000	male	immature	all shell condi	176.239621	1	7.25854078
2000	male	mature	all shell condi	1003.96354	1	5.40190921
2000	female	immature	all shell condi	336.25758	1	1.35728484
2000	female	mature	all shell condi	264.204006	1	-0.7709273
2001	male	immature	all shell condi	312.640239	1	11.0781027
2001	male	mature	all shell condi	959.808691	1	-5.0724456
2001	female	immature	all shell condi	287.82022	1	13.3485499
2001	female	mature	all shell condi	348.789186	1	-4.9181705
2002	male	immature	all shell condi	163.759324	1	8.83607315
2002	male	mature	all shell condi	1629.13892	1	-3.4495751
2002	female	immature	all shell condi	110.587454	1	17.2317071
2002	female	mature	all shell condi	877.299217	1	-3.9710478
2003	male	immature	all shell condi	319.895972	1	6.21370191
2003	male	mature	all shell condi	2677.30347	1	1.03796272
2003	female	immature	all shell condi	249.275169	1	-5.0724664
2003	female	mature	all shell condi	252.725853	1	10.4505026
2004	male	immature	all shell condi	235.762421	1	2.18099992
2004	male	mature	all shell condi	569.485679	1	10.1584716
2004	female	immature	all shell condi	157.497643	1	11.3048164
2004	female	mature	all shell condi	363.343537	1	-4.0273181
2005	male	immature	all shell condi	401.348959	1	2.23899033
2005	male	mature	all shell condi	1584.01138	1	-5.2741619
2005	female	immature	all shell condi	253.761532	1	18.5622845
2005	female	mature	all shell condi	1771.24634	1	-2.5851299
2006	male	immature	all shell condi	354.341513	1	12.1678877
2006	male	mature	all shell condi	1239.87923	1	-1.1011663
2006	female	immature	all shell condi	200.705506	1	10.4636496
2006	female	mature	all shell condi	610.70878	1	-5.7297066
2007	male	immature	all shell condi	175.730673	1	29.7203873

2007	male	mature	all shell condi	777.830792	1	0.9290845
2007	female	immature	all shell condi	697.932296	1	-0.1579683
2007	female	mature	all shell condi	172.358724	1	-10.683556
2008	male	immature	all shell condi	416.245397	1	16.0708847
2008	male	mature	all shell condi	1037.88277	1	0.03656747
2008	female	immature	all shell condi	543.80654	1	2.86568483
2008	female	mature	all shell condi	616.05589	1	-7.6081691
2009	male	immature	all shell condi	111.997346	1	5.9607437
2009	male	mature	all shell condi	548.073539	1	7.69034012
2009	female	immature	all shell condi	82.7686542	1	2.22850457
2009	female	mature	all shell condi	1234.46054	1	4.18451488
2010	male	immature	all shell condi	314.421703	1	1.06839849
2010	male	mature	all shell condi	411.782634	1	12.3705615
2010	female	immature	all shell condi	211.891464	1	-1.1929029
2010	female	mature	all shell condi	6269.60864	1	-1.0574514
2011	male	immature	all shell condi	440.033187	1	9.71482435
2011	male	mature	all shell condi	2164.95847	1	-1.1076062
2011	female	immature	all shell condi	203.625987	1	11.4807293
2011	female	mature	all shell condi	316.269631	1	-5.3159251
2012	male	immature	all shell condi	313.81609	1	18.652991
2012	male	mature	all shell condi	1168.73221	1	-1.8929217
2012	female	immature	all shell condi	223.020873	1	1.22568745
2012	female	mature	all shell condi	510.039809	1	-2.2832779
2013	male	immature	all shell condi	897.491261	1	11.5569677
2013	male	mature	all shell condi	358.084759	1	3.75852545
2013	female	immature	all shell condi	476.820715	1	-1.8834965
2013	female	mature	all shell condi	1024.63048	1	-0.6052328
2014	male	immature	all shell condi	357.788412	1	16.6853846
2014	male	mature	all shell condi	504.556976	1	2.13820422
2014	female	immature	all shell condi	103.781736	1	13.5888908
2014	female	mature	all shell condi	374.835315	1	-7.9299176
2015	male	immature	all shell condi	913.564063	1	9.79551898
2015	male	mature	all shell condi	570.410374	1	1.55202806
2015	female	immature	all shell condi	523.316401	1	2.93570927
2015	female	mature	all shell condi	603.457341	1	-1.1555483
2016	male	immature	all shell condi	456.889971	1	10.1107555
2016	male	mature	all shell condi	193.340425	1	19.0076622
2016	female	immature	all shell condi	360.061643	1	1.81635492
2016	female	mature	all shell condi	343.091889	1	-8.4966423
2017	male	immature	all shell condi	103.630775	1	-1.0996429
2017	male	mature	all shell condi	170.058289	1	21.3906099

	2017	female	immature	all shell condi	68.2360432	1	8.41500807
	2017	female	mature	all shell condi	903.230994	1	0.62628329
all		male	all maturity st	new shell	3.64195833	0	285.173001
all		male	all maturity st	old shell	5.28912994	0	601.460254
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	2.94739867	0	186.773917
all		male	all maturity st	old shell	4.11205766	0	363.543891
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
	1975	male	all maturity st	new shell	47.4271865	0	38.7062891
	1975	male	all maturity st	old shell	26.3168119	0	42.0793347
	1976	male	all maturity st	new shell	57.4882023	0	25.2469716
	1976	male	all maturity st	old shell	18.6136499	0	67.4383043
	1977	male	all maturity st	new shell	76.4111554	0	23.9904811
	1977	male	all maturity st	old shell	56.6451238	0	28.1645936
	1978	male	all maturity st	new shell	67.7584597	0	22.0147094
	1978	male	all maturity st	old shell	34.0891384	0	46.3097395
	1979	male	all maturity st	new shell	163.890564	0	5.89211174
	1979	male	all maturity st	old shell	17.6761155	0	90.6353955
	1980	male	all maturity st	new shell	104.938373	0	7.7312142
	1980	male	all maturity st	old shell	16.4764844	0	112.126824
	1981	male	all maturity st	new shell	89.0649422	0	13.1731855
	1981	male	all maturity st	old shell	15.6808914	0	80.4892332
	1982	male	all maturity st	new shell	45.5048907	0	25.3525137
	1982	male	all maturity st	old shell	285.903511	0	6.47659056
	1983	male	all maturity st	new shell	74.5193837	0	14.2599017
	1983	male	all maturity st	old shell	93.1196748	0	15.3636626
	1984	male	all maturity st	new shell	131.482974	0	4.7302307
	1984	male	all maturity st	old shell	67.1296672	0	18.1108276
	1985	male	all maturity st	new shell	78.1257029	0	17.037384
	1985	male	all maturity st	old shell	57.3169738	0	24.7121129
	1986	male	all maturity st	new shell	95.3699304	0	11.9576844
	1986	male	all maturity st	old shell	87.6951756	0	15.617984
	1987	male	all maturity st	new shell	63.8697103	0	12.8418579
	1987	male	all maturity st	old shell	117.546689	0	15.6543726
	1988	male	all maturity st	new shell	134.001505	0	8.0038577
	1988	male	all maturity st	old shell	155.636038	0	12.6100251
	1989	male	all maturity st	new shell	125.361461	0	8.61377646
	1989	male	all maturity st	old shell	322.283397	0	8.52617732
	1990	male	all maturity st	new shell	378.306052	0	3.65087389

1990	male	all maturity st	old shell	220.5732	0	8.56729279
1991	male	all maturity st	new shell	229.228335	0	5.05644017
1991	male	all maturity st	old shell	206.597398	0	9.0797514
1992	male	all maturity st	new shell	242.22069	0	5.6068989
1992	male	all maturity st	old shell	76.6332471	0	15.8439309
1993	male	all maturity st	new shell	245.232461	0	5.09982376
1993	male	all maturity st	old shell	102.241025	0	11.271599
1994	male	all maturity st	new shell	205.296448	0	5.21188417
1994	male	all maturity st	old shell	69.1200688	0	17.7292336
1995	male	all maturity st	new shell	90.7230211	0	10.1866434
1995	male	all maturity st	old shell	56.6844684	0	24.5540981
1996	male	all maturity st	new shell	127.746931	0	10.6330212
1996	male	all maturity st	old shell	47.647345	0	25.1226136
1997	male	all maturity st	new shell	156.222627	0	6.77182959
1997	male	all maturity st	old shell	137.355535	0	17.1306915
1998	male	all maturity st	new shell	165.281815	0	5.06427153
1998	male	all maturity st	old shell	370.101934	0	7.08035538
1999	male	all maturity st	new shell	77.5929969	0	11.6572439
1999	male	all maturity st	old shell	132.886792	0	10.0966239
2000	male	all maturity st	new shell	107.151075	0	6.10885995
2000	male	all maturity st	old shell	120.418726	0	13.1845584
2001	male	all maturity st	new shell	164.018551	0	6.72149499
2001	male	all maturity st	old shell	148.982372	0	12.9725049
2002	male	all maturity st	new shell	65.760413	0	12.0193271
2002	male	all maturity st	old shell	314.170533	0	8.0011006
2003	male	all maturity st	new shell	140.001221	0	7.03252022
2003	male	all maturity st	old shell	191.077174	0	11.0377569
2004	male	all maturity st	new shell	111.831917	0	7.98553669
2004	male	all maturity st	old shell	73.1238367	0	25.7232807
2005	male	all maturity st	new shell	180.011454	0	6.26612892
2005	male	all maturity st	old shell	295.995727	0	8.61766244
2006	male	all maturity st	new shell	160.801894	0	8.36321775
2006	male	all maturity st	old shell	227.538105	0	11.4272931
2007	male	all maturity st	new shell	236.462001	0	6.72993868
2007	male	all maturity st	old shell	226.176653	0	12.9796892
2008	male	all maturity st	new shell	326.801902	0	4.27982018
2008	male	all maturity st	old shell	133.652113	0	13.7201426
2009	male	all maturity st	new shell	34.3896033	0	18.3049601
2009	male	all maturity st	old shell	125.816227	0	10.6763509
2010	male	all maturity st	new shell	61.7207818	0	17.9299146
2010	male	all maturity st	old shell	181.404249	0	8.73459518

	2011	male	all maturity st	new shell	209.643343	0	3.51486847
	2011	male	all maturity st	old shell	147.676385	0	11.3626931
	2012	male	all maturity st	new shell	264.618043	0	3.22234082
	2012	male	all maturity st	old shell	120.320073	0	11.4588996
	2013	male	all maturity st	new shell	192.637184	0	6.23550109
	2013	male	all maturity st	old shell	197.110354	0	11.6197638
	2014	male	all maturity st	new shell	234.498605	0	6.26794324
	2014	male	all maturity st	old shell	118.026721	0	11.7714567
	2015	male	all maturity st	new shell	433.65863	0	4.89505186
	2015	male	all maturity st	old shell	141.939799	0	10.5515185
	2016	male	all maturity st	new shell	178.418665	0	8.62018269
	2016	male	all maturity st	old shell	89.550411	0	14.6765361
	2017	male	all maturity st	new shell	29.0730301	0	14.079166
	2017	male	all maturity st	old shell	83.2694529	0	14.5381886
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.24301477	0	226.118613
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.47319094	0	131.508479
all		female	mature	old shell	3.33301768	0	238.843648
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.07235872	0	202.946845
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.41519025	0	125.412595
all		female	mature	old shell	2.96817957	0	189.416934
	1975	female	immature	new shell	15.4041477	0	29.8987633
	1975	female	mature	new shell	57.4633769	0	5.4593406
	1975	female	mature	old shell	8.17425038	0	31.862908
	1976	female	immature	new shell	40.1964929	0	8.66510086
	1976	female	mature	new shell	45.8951871	0	7.09393508
	1976	female	mature	old shell	8.97342032	0	32.222778
	1977	female	immature	new shell	33.3298016	0	8.94625706
	1977	female	mature	new shell	41.8831117	0	9.81512188
	1977	female	mature	old shell	21.8927603	0	14.5843177
	1978	female	immature	new shell	25.8324268	0	9.5539045
	1978	female	mature	new shell	119.579951	0	3.01017692

1978	female	mature	old shell	29.5555764	0	10.0046551
1979	female	immature	new shell	49.2402771	0	4.23489112
1979	female	mature	new shell	56.7525503	0	7.5395738
1979	female	mature	old shell	21.6403334	0	13.7878449
1980	female	immature	new shell	109.701198	0	3.42903871
1980	female	mature	new shell	14.4319183	0	13.8824068
1980	female	mature	old shell	19.029944	0	14.7922671
1981	female	immature	new shell	39.1178163	0	11.8230544
1981	female	mature	new shell	10.9921137	0	28.146749
1981	female	mature	old shell	67.913548	0	5.74601214
1982	female	immature	new shell	42.8414953	0	16.6541614
1982	female	mature	new shell	9.31622953	0	23.7112004
1982	female	mature	old shell	31.1327741	0	8.52029936
1983	female	immature	new shell	50.0109099	0	6.27634213
1983	female	mature	new shell	47.8648357	0	9.23876079
1983	female	mature	old shell	121.590349	0	2.3110548
1984	female	immature	new shell	34.4188061	0	5.7423654
1984	female	mature	new shell	31.8187547	0	7.00725616
1984	female	mature	old shell	236.659461	0	2.08389517
1985	female	immature	new shell	138.62687	0	4.21476368
1985	female	mature	new shell	10.4433789	0	43.4074991
1985	female	mature	old shell	289.04426	0	2.58086235
1986	female	immature	new shell	71.300942	0	6.01880988
1986	female	mature	new shell	6.32592344	0	38.8707436
1986	female	mature	old shell	27.3243941	0	11.6316345
1987	female	immature	new shell	17.8729882	0	35.0039505
1987	female	mature	new shell	31.9192294	0	11.9889954
1987	female	mature	old shell	20.1845762	0	19.4803679
1988	female	immature	new shell	119.607202	0	5.66125962
1988	female	mature	new shell	14.2558592	0	24.5719959
1988	female	mature	old shell	31.0351349	0	11.3387721
1989	female	immature	new shell	42.3481616	0	6.1680662
1989	female	mature	new shell	24.2045173	0	12.7608911
1989	female	mature	old shell	39.6173891	0	10.9966702
1990	female	immature	new shell	60.0464813	0	6.0260134
1990	female	mature	new shell	226.750077	0	1.60637501
1990	female	mature	old shell	34.7805629	0	10.7665074
1991	female	immature	new shell	23.6924764	0	12.5970642
1991	female	mature	new shell	108.182691	0	2.48043863
1991	female	mature	old shell	123.307538	0	3.44137787
1992	female	immature	new shell	28.1844737	0	14.295844

1992	female	mature	new shell	84.4875813	0	4.84405198
1992	female	mature	old shell	118.798159	0	2.97023193
1993	female	immature	new shell	47.9012987	0	9.24707888
1993	female	mature	new shell	39.4606173	0	6.56469242
1993	female	mature	old shell	166.812275	0	2.16653346
1994	female	immature	new shell	28.2010176	0	11.4176148
1994	female	mature	new shell	37.5792474	0	10.3878587
1994	female	mature	old shell	192.791304	0	2.13155937
1995	female	immature	new shell	76.1246697	0	6.61359564
1995	female	mature	new shell	25.3019722	0	14.7557485
1995	female	mature	old shell	420.323272	0	0.91415626
1996	female	immature	new shell	68.4675467	0	7.30454896
1996	female	mature	new shell	23.108397	0	12.2268094
1996	female	mature	old shell	186.794801	0	1.8095227
1997	female	immature	new shell	58.4895914	0	3.78548297
1997	female	mature	new shell	77.5738929	0	3.76356601
1997	female	mature	old shell	164.507263	0	2.55844466
1998	female	immature	new shell	308.820075	0	1.48206831
1998	female	mature	new shell	43.1898802	0	7.63987695
1998	female	mature	old shell	174.227658	0	2.94238739
1999	female	immature	new shell	57.320357	0	6.18156251
1999	female	mature	new shell	13.121778	0	17.9055717
1999	female	mature	old shell	118.235703	0	2.45180934
2000	female	immature	new shell	97.6918029	0	2.4602288
2000	female	mature	new shell	26.3084667	0	10.0887512
2000	female	mature	old shell	25.4516668	0	12.8904759
2001	female	immature	new shell	172.461735	0	2.03539301
2001	female	mature	new shell	138.235423	0	4.74691839
2001	female	mature	old shell	40.5034364	0	6.22441112
2002	female	immature	new shell	53.4930266	0	5.22114692
2002	female	mature	new shell	47.9579219	0	7.31921462
2002	female	mature	old shell	65.7618041	0	3.43556438
2003	female	immature	new shell	79.4489061	0	4.05537954
2003	female	mature	new shell	194.180459	0	1.90478938
2003	female	mature	old shell	55.8906603	0	8.22270105
2004	female	immature	new shell	61.6984943	0	6.26167857
2004	female	mature	new shell	144.917282	0	1.50169373
2004	female	mature	old shell	43.9935201	0	9.64391426
2005	female	immature	new shell	354.127919	0	1.77039783
2005	female	mature	new shell	125.271218	0	3.45050414
2005	female	mature	old shell	360.973435	0	2.39301295

	2006	female	immature	new shell	51.5716776	0	7.31954338
	2006	female	mature	new shell	151.958135	0	2.39857529
	2006	female	mature	old shell	189.58889	0	2.66493948
	2007	female	immature	new shell	115.002364	0	3.62078755
	2007	female	mature	new shell	44.1601594	0	7.88507055
	2007	female	mature	old shell	584.001366	0	0.70974875
	2008	female	immature	new shell	75.9318982	0	5.58090966
	2008	female	mature	new shell	121.188433	0	4.12729441
	2008	female	mature	old shell	450.678148	0	0.82862085
	2009	female	immature	new shell	23.0801748	0	9.93147567
	2009	female	mature	new shell	34.402079	0	5.98839155
	2009	female	mature	old shell	590.453382	0	0.70410914
	2010	female	immature	new shell	80.0279244	0	4.98614995
	2010	female	mature	new shell	167.415554	0	2.12354381
	2010	female	mature	old shell	662.040089	0	0.67087138
	2011	female	immature	new shell	65.4874674	0	6.3886964
	2011	female	mature	new shell	24.4385947	0	9.05660014
	2011	female	mature	old shell	158.089236	0	2.58106028
	2012	female	immature	new shell	56.964169	0	7.05437707
	2012	female	mature	new shell	29.7858455	0	7.58085941
	2012	female	mature	old shell	185.864932	0	1.73027179
	2013	female	immature	new shell	99.2871272	0	4.61455957
	2013	female	mature	new shell	476.433788	0	1.08524494
	2013	female	mature	old shell	48.0022954	0	6.13008335
	2014	female	immature	new shell	18.0263124	0	21.8914113
	2014	female	mature	new shell	74.8951599	0	2.85407649
	2014	female	mature	old shell	58.9476002	0	5.48527601
	2015	female	immature	new shell	67.9218787	0	6.72017206
	2015	female	mature	new shell	20.7607668	0	11.1549061
	2015	female	mature	old shell	206.538696	0	1.8013727
	2016	female	immature	new shell	42.3297566	0	10.2888915
	2016	female	mature	new shell	77.9349045	0	7.16946959
	2016	female	mature	old shell	78.0202782	0	3.40446436
	2017	female	immature	new shell	15.5392525	0	12.7055337
	2017	female	mature	new shell	29.2670225	0	17.113985
	2017	female	mature	old shell	125.550041	0	1.73899133
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.23351871	20	1.03608881
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	19.5411795	1	19.0112747

	1981	male	all maturity st	all shell condi	3173.92511	1	0.36487649
	1982	male	all maturity st	all shell condi	358.980693	1	2.80700499
	1983	male	all maturity st	all shell condi	39.6736281	1	1.75280754
	1984	male	all maturity st	all shell condi	283.030064	1	0.86798375
	1988	male	all maturity st	all shell condi	92.6082684	1	6.73304991
	1989	male	all maturity st	all shell condi	649.194349	1	0.70124047
	1990	male	all maturity st	all shell condi	165.649794	1	5.04242119
	1991	male	all maturity st	all shell condi	201.944382	1	4.75297427
	1992	male	all maturity st	all shell condi	85.6978881	1	13.3788055
	1993	male	all maturity st	all shell condi	130.186741	1	8.7133207
	1994	male	all maturity st	all shell condi	139.125847	1	12.4106403
	1995	male	all maturity st	all shell condi	86.3639718	1	0.68452169
	1996	male	all maturity st	all shell condi	101.279413	1	2.04372975
	2005	male	all maturity st	all shell condi	14.7238836	1	1.46779497
	2006	male	all maturity st	all shell condi	171.154155	1	0.91198176
	2007	male	all maturity st	all shell condi	743.404297	1	1.32109283
	2008	male	all maturity st	all shell condi	353.859478	1	0.90174572
	2009	male	all maturity st	all shell condi	68.9847835	1	1.19762399
	2013	male	all maturity st	all shell condi	483.697857	1	0.58753487
	2014	male	all maturity st	all shell condi	285.058644	1	3.21016883
	2015	male	all maturity st	all shell condi	207.41477	1	7.50870693
all		male	all maturity st	all shell condi	0.19088182	20	0.23683315
all		female	all maturity st	all shell condi	0.48997714	20	1.56050436
	1991	male	all maturity st	all shell condi	860.355395	1	1.91740249
	1991	female	all maturity st	all shell condi	583.609564	1	1.23310818
	1992	male	all maturity st	all shell condi	136.393849	1	18.9224204
	1992	female	all maturity st	all shell condi	413.509404	1	0.59813924
	1993	male	all maturity st	all shell condi	173.713427	1	12.6767437
	1993	female	all maturity st	all shell condi	357.080244	1	0.95082787
	1994	male	all maturity st	all shell condi	173.922126	1	2.80398317
	1994	female	all maturity st	all shell condi	61.5097441	1	1.29340727
	1995	male	all maturity st	all shell condi	690.501782	1	0.67933798
	1995	female	all maturity st	all shell condi	96.285518	1	0.90869509
	1996	male	all maturity st	all shell condi	41.7577474	1	1.13047013
	1996	female	all maturity st	all shell condi	251.11104	1	0.05524905
	2005	male	all maturity st	all shell condi	109.91146	1	14.506802
	2005	female	all maturity st	all shell condi	40.5640424	1	0.9453106
	2006	male	all maturity st	all shell condi	314.838817	1	5.18250855
	2006	female	all maturity st	all shell condi	432.434158	1	0.77619943
	2007	male	all maturity st	all shell condi	461.693623	1	5.64114654
	2007	female	all maturity st	all shell condi	325.782289	1	0.38076672

	2008	male	all maturity st	all shell condi	563.846704	1	5.33382538
	2008	female	all maturity st	all shell condi	46.50157	1	0.31761819
	2009	male	all maturity st	all shell condi	152.983855	1	7.82571917
	2009	female	all maturity st	all shell condi	23.7511574	1	0.18312652
	2013	male	all maturity st	all shell condi	2209.29417	1	1.51613893
	2013	female	all maturity st	all shell condi	65.0173924	1	0.59301476
	2014	male	all maturity st	all shell condi	257.982307	1	10.2072195
	2014	female	all maturity st	all shell condi	177.778641	1	0.20889065
	2015	male	all maturity st	all shell condi	154.159475	1	13.0925533
	2015	female	all maturity st	all shell condi	76.2931898	1	1.04588574
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.04329387	20	0.02342949
all		female	all maturity st	all shell condi	0.31447016	20	1.23614354
	1992	male	all maturity st	all shell condi	405.133186	1	2.27608626
	1992	female	all maturity st	all shell condi	19.0001972	1	0.94369968
	1993	male	all maturity st	all shell condi	196.747312	1	2.04737015
	1993	female	all maturity st	all shell condi	30.7543486	1	1.17621022
	1994	male	all maturity st	all shell condi	85.4354111	1	1.56591605
	1994	female	all maturity st	all shell condi	41.4862631	1	1.81812192
	1995	male	all maturity st	all shell condi	131.641046	1	0.68209965
	1995	female	all maturity st	all shell condi	44.1066792	1	0.26528558
	1996	male	all maturity st	all shell condi	109.279565	1	2.72872419
	1996	female	all maturity st	all shell condi	48.1068814	1	0.39458082
	1997	male	all maturity st	all shell condi	292.141874	1	1.26543278
	1997	female	all maturity st	all shell condi	115.574814	1	0.1904983
	1998	male	all maturity st	all shell condi	396.617786	1	0.30688597
	1998	female	all maturity st	all shell condi	21.8196069	1	0.30573603
	1999	male	all maturity st	all shell condi	142.506507	1	0.35532784
	1999	female	all maturity st	all shell condi	30.3440992	1	0.06981948
	2000	male	all maturity st	all shell condi	157.816489	1	0.38810639
	2000	female	all maturity st	all shell condi	30.951741	1	0.09758506
	2001	male	all maturity st	all shell condi	375.826182	1	0.36442694
	2001	female	all maturity st	all shell condi	123.620282	1	0.060766
	2002	male	all maturity st	all shell condi	62.0548513	1	0.80280166
	2002	female	all maturity st	all shell condi	46.7497514	1	0.06244843
	2003	male	all maturity st	all shell condi	112.809999	1	0.41539325
	2003	female	all maturity st	all shell condi	45.5713075	1	0.09840039
	2004	male	all maturity st	all shell condi	23.9784767	1	1.86810289
	2004	female	all maturity st	all shell condi	31.5176657	1	0.8005284
	2005	male	all maturity st	all shell condi	114.108717	1	4.72946395

	2005	female	all maturity st	all shell condi	156.230753	1	0.13505545
	2006	male	all maturity st	all shell condi	76.300534	1	5.88893588
	2006	female	all maturity st	all shell condi	53.369389	1	1.08874668
	2007	male	all maturity st	all shell condi	333.693931	1	2.39438076
	2007	female	all maturity st	all shell condi	48.7870877	1	0.40390953
	2008	male	all maturity st	all shell condi	89.9436305	1	7.24510314
	2008	female	all maturity st	all shell condi	14.1361096	1	2.24254878
	2009	male	all maturity st	all shell condi	430.491055	1	2.05052296
	2009	female	all maturity st	all shell condi	19.204833	1	0.97247045
	2010	male	all maturity st	all shell condi	298.854779	1	1.52932818
	2010	female	all maturity st	all shell condi	65.778876	1	0.19972666
	2011	male	all maturity st	all shell condi	181.309873	1	3.5559118
	2011	female	all maturity st	all shell condi	58.7535696	1	0.18162135
	2012	male	all maturity st	all shell condi	174.313994	1	2.95586338
	2012	female	all maturity st	all shell condi	42.8816555	1	0.1952404
	2013	male	all maturity st	all shell condi	275.881721	1	2.38878907
	2013	female	all maturity st	all shell condi	241.650659	1	0.07361751
	2014	male	all maturity st	all shell condi	393.722421	1	3.35640879
	2014	female	all maturity st	all shell condi	54.159383	1	0.45892985
	2015	male	all maturity st	all shell condi	433.872453	1	2.22427263
	2015	female	all maturity st	all shell condi	112.89438	1	0.09260187
	2016	male	all maturity st	all shell condi	356.881958	1	2.88268641
	2016	female	all maturity st	all shell condi	116.096579	1	0.09196986
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.03271092	20	0.02354009
	1973	male	all maturity st	all shell condi	247.56835	1	-3.0205067
	1973	female	all maturity st	all shell condi	198.233289	1	5.83554277
	1974	male	all maturity st	all shell condi	291.396785	1	-1.5646575
	1974	female	all maturity st	all shell condi	193.818441	1	3.6426698
	1975	male	all maturity st	all shell condi	236.986403	1	-0.5572893
	1975	female	all maturity st	all shell condi	176.710748	1	1.98358581
	1976	male	all maturity st	all shell condi	125.625514	1	-5.9982126
	1976	female	all maturity st	all shell condi	103.204367	1	21.432175
	1977	male	all maturity st	all shell condi	183.732136	1	-2.1837688
	1977	female	all maturity st	all shell condi	277.390528	1	15.6693121
	1978	male	all maturity st	all shell condi	215.421238	1	-6.0490209
	1978	female	all maturity st	all shell condi	152.563909	1	26.2998389
	1979	male	all maturity st	all shell condi	491.566628	1	-4.1650952
	1979	female	all maturity st	all shell condi	591.519633	1	12.4591018
	1980	male	all maturity st	all shell condi	654.271628	1	5.98370214
	1980	female	all maturity st	all shell condi	686.655009	1	-0.4879409

1981	male	all maturity st	all shell condi	864.35115	1	-2.4236279
1981	female	all maturity st	all shell condi	59.8705817	1	11.1401242
1982	male	all maturity st	all shell condi	693.525432	1	7.81855707
1982	female	all maturity st	all shell condi	65.344428	1	13.862646
1983	male	all maturity st	all shell condi	308.976366	1	32.6227778
1983	female	all maturity st	all shell condi	134.694855	1	-10.516335
1984	male	all maturity st	all shell condi	399.30634	1	37.7299844
1984	female	all maturity st	all shell condi	256.384462	1	-17.970466
1985	male	all maturity st	all shell condi	185.292226	1	24.4560816
1985	female	all maturity st	all shell condi	304.179771	1	-5.8997001
1986	male	all maturity st	all shell condi	384.859465	1	9.952794
1986	female	all maturity st	all shell condi	198.37938	1	0.77775372
1987	male	all maturity st	all shell condi	239.046862	1	14.0481227
1987	female	all maturity st	all shell condi	718.323032	1	6.24243022
1988	male	all maturity st	all shell condi	305.105724	1	2.52425935
1988	female	all maturity st	all shell condi	220.359607	1	10.6999878
1989	male	all maturity st	all shell condi	541.202634	1	-7.8633606
1989	female	all maturity st	all shell condi	558.580149	1	21.2135429
1990	male	all maturity st	all shell condi	683.435949	1	14.7472483
1990	female	all maturity st	all shell condi	256.516765	1	-4.4872382
1991	male	all maturity st	all shell condi	289.781278	1	1.193838
1991	female	all maturity st	all shell condi	194.753436	1	6.27405229
1992	male	all maturity st	all shell condi	212.276684	1	4.57336433
1992	female	all maturity st	all shell condi	63.0169185	1	2.60854605
1993	male	all maturity st	all shell condi	69.5368249	1	4.01873199
1993	female	all maturity st	all shell condi	82.9592552	1	-0.5283442
1994	male	all maturity st	all shell condi	172.2959	1	3.98109722
1994	female	all maturity st	all shell condi	407.669212	1	0.63137824
1995	male	all maturity st	all shell condi	62.4695067	1	10.0646747
1995	female	all maturity st	all shell condi	59.0425167	1	4.41203234
1996	male	all maturity st	all shell condi	172.156005	1	12.5016367
1996	female	all maturity st	all shell condi	524.855367	1	-4.2475161
1997	male	all maturity st	all shell condi	50.0695942	1	22.3660692
1997	female	all maturity st	all shell condi	173.362976	1	4.82893063
1998	male	all maturity st	all shell condi	133.333835	1	7.93389801
1998	female	all maturity st	all shell condi	309.208683	1	6.36376713
1999	male	all maturity st	all shell condi	465.437516	1	4.47409397
1999	female	all maturity st	all shell condi	1149.52911	1	1.72068831
2000	male	all maturity st	all shell condi	365.697894	1	6.03386438
2000	female	all maturity st	all shell condi	798.418951	1	-0.215901
2001	male	all maturity st	all shell condi	498.407476	1	9.80789157

	2001	female	all maturity st	all shell condi	1204.87168	1	-3.5464005
	2002	male	all maturity st	all shell condi	412.989097	1	10.0539513
	2002	female	all maturity st	all shell condi	909.045489	1	-0.0947768
	2003	male	all maturity st	all shell condi	196.203179	1	4.0770129
	2003	female	all maturity st	all shell condi	310.172922	1	5.06367375
	2004	male	all maturity st	all shell condi	108.825876	1	-2.5217694
	2004	female	all maturity st	all shell condi	30.7670044	1	40.430787
	2005	male	all maturity st	all shell condi	1400.8852	1	3.70282708
	2005	female	all maturity st	all shell condi	1907.6894	1	0.91622077
	2006	male	all maturity st	all shell condi	195.81898	1	11.9670292
	2006	female	all maturity st	all shell condi	143.925065	1	3.68170434
	2007	male	all maturity st	all shell condi	171.858569	1	10.0411843
	2007	female	all maturity st	all shell condi	87.3384822	1	10.3650012
	2008	male	all maturity st	all shell condi	162.785912	1	26.1901701
	2008	female	all maturity st	all shell condi	171.267086	1	-8.1573575
	2009	male	all maturity st	all shell condi	290.896827	1	13.078339
	2009	female	all maturity st	all shell condi	523.639826	1	-6.4612589
	2010	male	all maturity st	all shell condi	495.221174	1	5.42130623
	2010	female	all maturity st	all shell condi	1693.58114	1	-1.7436338
	2011	male	all maturity st	all shell condi	78.6271272	1	11.455862
	2011	female	all maturity st	all shell condi	65.896897	1	22.3050476
	2012	male	all maturity st	all shell condi	320.477477	1	-7.7119888
	2012	female	all maturity st	all shell condi	112.454235	1	14.7570509
	2013	male	all maturity st	all shell condi	259.370536	1	0.55541864
	2013	female	all maturity st	all shell condi	475.196128	1	12.5838155
	2014	male	all maturity st	all shell condi	862.650793	1	9.76535172
	2014	female	all maturity st	all shell condi	800.891499	1	-5.3077529
	2015	male	all maturity st	all shell condi	182.376708	1	16.455371
	2015	female	all maturity st	all shell condi	206.893307	1	4.10281604
	2016	male	all maturity st	all shell condi	178.746373	1	-3.946193
	2016	female	all maturity st	all shell condi	53.7378919	1	25.8305099
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.03440171	20	0.01360999
all		female	all maturity st	all shell condi	0.00766787	20	0.00067616
	1992	male	all maturity st	all shell condi	87.7853852	1	1.43437149
	1992	female	all maturity st	all shell condi	82.6497462	1	0.12705495
	1993	male	all maturity st	all shell condi	122.117178	1	2.62744863
	1993	female	all maturity st	all shell condi	299.416422	1	0.28694624
	1996	male	all maturity st	all shell condi	52.5430536	1	0.13863874
	1996	female	all maturity st	all shell condi	3.47316404	1	0.0318851

1997	male	all maturity st	all shell condi	14.4742387	1	3.55180916
1997	female	all maturity st	all shell condi	33.3157251	1	0.04884462
1998	male	all maturity st	all shell condi	38.8375728	1	0.55612607
1998	female	all maturity st	all shell condi	21.6548288	1	0.07093338
1999	male	all maturity st	all shell condi	56.9061749	1	0.24720234
1999	female	all maturity st	all shell condi	18.8389495	1	0.02492452
2000	male	all maturity st	all shell condi	176.117315	1	0.59094801
2000	female	all maturity st	all shell condi	42.2359326	1	0.05747764
2001	male	all maturity st	all shell condi	130.347402	1	0.26191289
2001	female	all maturity st	all shell condi	49.7892827	1	0.04116175
2002	male	all maturity st	all shell condi	100.43398	1	0.46532921
2002	female	all maturity st	all shell condi	31.6903678	1	0.05567829
2003	male	all maturity st	all shell condi	72.5559667	1	0.57057968
2003	female	all maturity st	all shell condi	49.8196463	1	0.092757
2004	male	all maturity st	all shell condi	35.8422845	1	0.76542706
2004	female	all maturity st	all shell condi	19.332696	1	0.06221302
2005	male	all maturity st	all shell condi	55.8584309	1	1.36414395
2005	female	all maturity st	all shell condi	12.8293584	1	0.17022669
2006	male	all maturity st	all shell condi	26.0709219	1	1.8299757
2006	female	all maturity st	all shell condi	24.6187353	1	0.2621421
2007	male	all maturity st	all shell condi	121.763841	1	0.93135892
2007	female	all maturity st	all shell condi	107.503731	1	0.08643563
2008	male	all maturity st	all shell condi	49.0888304	1	3.73433156
2008	female	all maturity st	all shell condi	98.2611997	1	0.12257116
2009	male	all maturity st	all shell condi	20.187882	1	7.68478781
2009	female	all maturity st	all shell condi	107.549715	1	0.05080612
2010	male	all maturity st	all shell condi	59.1232787	1	0.73147428
2010	female	all maturity st	all shell condi	36.562577	1	0.04375691
2011	male	all maturity st	all shell condi	90.0150355	1	0.28017242
2011	female	all maturity st	all shell condi	5.94565849	1	0.01933835
2012	male	all maturity st	all shell condi	92.5648795	1	0.51598084
2012	female	all maturity st	all shell condi	6.89810482	1	0.20980389
2013	male	all maturity st	all shell condi	63.9079479	1	1.71691725
2013	female	all maturity st	all shell condi	9.69998931	1	0.17737723
2014	male	all maturity st	all shell condi	146.0806	1	1.38040029
2014	female	all maturity st	all shell condi	19.4572839	1	0.07382975
2015	male	all maturity st	all shell condi	318.571903	1	0.57306965
2015	female	all maturity st	all shell condi	85.8616748	1	0.07418193
2016	male	all maturity st	all shell condi	29.1844594	1	6.08030193
2016	female	all maturity st	all shell condi	19.656352	1	0.51769846
2015	male	immature	new shell	0.5064316	1	87.5583162

2016	male	immature	new shell	0.5064316	1	102.80012
2015	female	immature	new shell	0.28906449	1	70.5853461
2016	female	immature	new shell	0.28906449	1	60.1182188
1994	male	immature	new shell	0.52926552	0	12.1450693
1995	male	immature	new shell	0.52926552	0	28.6586726
1996	male	immature	new shell	0.52926552	0	325.690535
1997	male	immature	new shell	0.52926552	0	451.595154
1998	male	immature	new shell	0.52926552	0	479.249269
1999	male	immature	new shell	0.52926552	0	423.645852
2000	male	immature	new shell	0.52926552	0	670.787749
2001	male	immature	new shell	0.52926552	0	788.661828
2002	male	immature	new shell	0.52926552	0	752.221201
2003	male	immature	new shell	0.52926552	0	262.204008
2004	male	immature	new shell	0.52926552	0	165.438546
2005	male	immature	new shell	0.52926552	0	91.9207022
2006	male	immature	new shell	0.52926552	0	11.2218502
2011	male	immature	new shell	0.52926552	0	1.96380937
2012	male	immature	new shell	0.52926552	0	2.84380275
1994	female	immature	new shell	0.45317918	0	14.9617537
1995	female	immature	new shell	0.45317918	0	14.4216271
1996	female	immature	new shell	0.45317918	0	212.401936
1997	female	immature	new shell	0.45317918	0	165.676878
1998	female	immature	new shell	0.45317918	0	228.333033
1999	female	immature	new shell	0.45317918	0	295.285507
2000	female	immature	new shell	0.45317918	0	555.668124
2001	female	immature	new shell	0.45317918	0	539.193854
2002	female	immature	new shell	0.45317918	0	337.210281
2003	female	immature	new shell	0.45317918	0	90.2613853
2004	female	immature	new shell	0.45317918	0	96.419533
2005	female	immature	new shell	0.45317918	0	24.7110818
2006	female	immature	new shell	0.45317918	0	7.93463041
2012	female	immature	new shell	0.45317918	0	2.3747959
1990	male		new shell	2.817504	1	61.0028392
1991	male		new shell	2.817504	1	61.8410189
1992	male		new shell	2.817504	1	17.3739416
1993	male		new shell	2.817504	1	29.2665072
1994	male		new shell	2.817504	1	20.8066194
1995	male		new shell	2.817504	1	13.9636767
1997	male		new shell	2.817504	1	9.75181206
1998	male		new shell	2.817504	1	24.8436796
1999	male		new shell	2.817504	1	11.2978017

	2000	male		new shell	2.817504	1	22.203805
	2001	male		new shell	2.817504	1	26.9675749
	2002	male		new shell	2.817504	1	19.6957194
	2003	male		new shell	2.817504	1	11.9968858
	2004	male		new shell	2.817504	1	17.4455133
	2005	male		new shell	2.817504	1	65.7544694
	2008	male		new shell	2.817504	1	47.5462873
	2010	male		new shell	2.817504	1	65.681047
	2012	male		new shell	2.817504	1	15.5290769
	2014	male		new shell	2.817504	1	21.3336112
	2016	male		new shell	2.817504	1	36.3125829
	2017	male		new shell	2.817504	1	17.6045254
all		male	immature	new shell	0.09975135	1	2073.58076
all		male	mature	new shell	0.09975135	1	2073.58076
all		male	immature	old shell	0.09975135	1	2073.58076
all		male	mature	old shell	0.09975135	1	2073.58076
all		female	immature	new shell	0.09975135	1	2073.58076
all		female	mature	new shell	0.09975135	1	2073.58076
all		female	immature	old shell	0.09975135	1	2073.58076
all		female	mature	old shell	0.09975135	1	2073.58076
all		male	immature	new shell	0.09975135	1	28968.3575
all		male	mature	new shell	0.09975135	1	28968.3575
all		male	immature	old shell	0.09975135	1	28968.3575
all		male	mature	old shell	0.09975135	1	28968.3575
all		female	immature	new shell	0.09975135	1	28968.3575
all		female	mature	new shell	0.09975135	1	28968.3575
all		female	immature	old shell	0.09975135	1	28968.3575
all		female	mature	old shell	0.09975135	1	28968.3575
all		male	immature	all shell condi	3.45940645	0	257.301099
all		male	mature	all shell condi	2.25849396	0	109.667091
all		female	immature	all shell condi	3.13964062	0	211.932879
all		female	mature	all shell condi	2.59632696	0	144.929644
all		male	mature	all shell condi	2.18063029	1	102.235692
all		female	mature	all shell condi	2.32612966	1	116.333903
	1975	male	immature	all shell condi	169.653655	1	26.0349935
	1975	male	mature	all shell condi	101.87487	1	32.3621448
	1975	female	immature	all shell condi	136.107543	1	9.75783444
	1975	female	mature	all shell condi	75.6282856	1	-14.170105
	1976	male	immature	all shell condi	253.937237	1	17.8656222
	1976	male	mature	all shell condi	223.946938	1	2.44888088
	1976	female	immature	all shell condi	174.935808	1	10.3935096

1976	female	mature	all shell condi	135.216465	1	-4.1389664
1977	male	immature	all shell condi	135.140177	1	8.62419757
1977	male	mature	all shell condi	220.177256	1	-3.2618544
1977	female	immature	all shell condi	46.2663096	1	35.2255798
1977	female	mature	all shell condi	281.386012	1	-0.0450463
1978	male	immature	all shell condi	435.532035	1	1.35003411
1978	male	mature	all shell condi	263.273831	1	7.69069676
1978	female	immature	all shell condi	101.052057	1	11.0997272
1978	female	mature	all shell condi	432.054627	1	1.2975625
1979	male	immature	all shell condi	133.67531	1	18.2012478
1979	male	mature	all shell condi	276.846013	1	-4.7505604
1979	female	immature	all shell condi	272.115042	1	-8.1163637
1979	female	mature	all shell condi	110.501802	1	20.8857774
1980	male	immature	all shell condi	69.3244813	1	35.7999682
1980	male	mature	all shell condi	159.870707	1	-11.899126
1980	female	immature	all shell condi	961.556466	1	-1.6439279
1980	female	mature	all shell condi	72.003199	1	13.7416029
1981	male	immature	all shell condi	282.553655	1	12.19404
1981	male	mature	all shell condi	466.350299	1	-10.886046
1981	female	immature	all shell condi	159.729693	1	-6.793863
1981	female	mature	all shell condi	33.7462198	1	48.157308
1982	male	immature	all shell condi	177.588331	1	-11.973335
1982	male	mature	all shell condi	415.67436	1	-10.517623
1982	female	immature	all shell condi	114.238001	1	-7.8722394
1982	female	mature	all shell condi	8.03193632	1	123.88873
1983	male	immature	all shell condi	204.644999	1	2.75290446
1983	male	mature	all shell condi	758.567382	1	-0.568664
1983	female	immature	all shell condi	219.502408	1	5.00170061
1983	female	mature	all shell condi	182.193922	1	14.7327544
1984	male	immature	all shell condi	282.293786	1	-13.716307
1984	male	mature	all shell condi	172.54869	1	19.0770622
1984	female	immature	all shell condi	143.410726	1	-7.3648242
1984	female	mature	all shell condi	98.9306919	1	26.2747811
1985	male	immature	all shell condi	173.560611	1	-17.242862
1985	male	mature	all shell condi	61.6284193	1	39.1052855
1985	female	immature	all shell condi	110.156685	1	-18.92594
1985	female	mature	all shell condi	72.1110489	1	36.5324897
1986	male	immature	all shell condi	387.727782	1	8.23699499
1986	male	mature	all shell condi	111.823467	1	22.6405011
1986	female	immature	all shell condi	186.831247	1	-5.4264701
1986	female	mature	all shell condi	149.857764	1	-1.2320279

1987	male	immature	all shell condi	185.294714	1	8.43574914
1987	male	mature	all shell condi	1371.07192	1	1.5533994
1987	female	immature	all shell condi	49.3898128	1	53.3443329
1987	female	mature	all shell condi	118.208684	1	-6.6809645
1988	male	immature	all shell condi	546.911119	1	5.1539786
1988	male	mature	all shell condi	1136.68482	1	4.91418078
1988	female	immature	all shell condi	268.760685	1	-5.0900465
1988	female	mature	all shell condi	108.806723	1	14.6682411
1989	male	immature	all shell condi	230.036904	1	12.2122718
1989	male	mature	all shell condi	711.417532	1	-1.3777556
1989	female	immature	all shell condi	117.382598	1	16.4527588
1989	female	mature	all shell condi	142.607111	1	-6.1852989
1990	male	immature	all shell condi	863.863433	1	2.89275453
1990	male	mature	all shell condi	487.863339	1	-7.7820006
1990	female	immature	all shell condi	263.66694	1	7.19088938
1990	female	mature	all shell condi	302.856524	1	11.7649834
1991	male	immature	all shell condi	310.463389	1	8.9357805
1991	male	mature	all shell condi	538.251788	1	-10.07679
1991	female	immature	all shell condi	144.248315	1	7.62615798
1991	female	mature	all shell condi	554.551585	1	11.1806478
1992	male	immature	all shell condi	625.214633	1	11.4640664
1992	male	mature	all shell condi	249.758284	1	3.2053005
1992	female	immature	all shell condi	289.99922	1	3.85639505
1992	female	mature	all shell condi	982.382201	1	-0.9627671
1993	male	immature	all shell condi	333.735651	1	18.9567168
1993	male	mature	all shell condi	291.38269	1	6.13170758
1993	female	immature	all shell condi	437.52593	1	4.54935894
1993	female	mature	all shell condi	263.747009	1	-13.585256
1994	male	immature	all shell condi	276.315826	1	11.9226628
1994	male	mature	all shell condi	334.867475	1	-0.7079718
1994	female	immature	all shell condi	76.825688	1	19.5615016
1994	female	mature	all shell condi	348.908367	1	-10.582915
1995	male	immature	all shell condi	390.087215	1	-2.0752699
1995	male	mature	all shell condi	326.797428	1	-0.1081785
1995	female	immature	all shell condi	427.582826	1	-1.4550515
1995	female	mature	all shell condi	171.247756	1	21.5747407
1996	male	immature	all shell condi	645.855399	1	0.662022
1996	male	mature	all shell condi	388.033795	1	1.9359311
1996	female	immature	all shell condi	348.273591	1	-0.1552621
1996	female	mature	all shell condi	321.794935	1	11.327173
1997	male	immature	all shell condi	443.312794	1	6.7523761

1997	male	mature	all shell condi	1297.71882	1	-6.4898878
1997	female	immature	all shell condi	103.103476	1	19.7805964
1997	female	mature	all shell condi	471.586346	1	-7.1711595
1998	male	immature	all shell condi	201.572851	1	16.273153
1998	male	mature	all shell condi	2046.46861	1	-4.9519679
1998	female	immature	all shell condi	357.783355	1	15.7198186
1998	female	mature	all shell condi	154.253577	1	-10.422036
1999	male	immature	all shell condi	142.315465	1	15.4236217
1999	male	mature	all shell condi	1351.96693	1	0.62184015
1999	female	immature	all shell condi	162.421935	1	8.86667441
1999	female	mature	all shell condi	368.306599	1	-4.5319534
2000	male	immature	all shell condi	168.616193	1	8.08386509
2000	male	mature	all shell condi	1063.3716	1	4.97012878
2000	female	immature	all shell condi	329.04839	1	1.67865256
2000	female	mature	all shell condi	258.502801	1	-1.0935451
2001	male	immature	all shell condi	270.16421	1	12.5314108
2001	male	mature	all shell condi	857.068431	1	-5.3734115
2001	female	immature	all shell condi	280.432154	1	13.6845576
2001	female	mature	all shell condi	311.883645	1	-5.2414688
2002	male	immature	all shell condi	155.436656	1	9.75264641
2002	male	mature	all shell condi	1545.53144	1	-3.800252
2002	female	immature	all shell condi	107.729083	1	17.8261109
2002	female	mature	all shell condi	755.654754	1	-4.3218353
2003	male	immature	all shell condi	338.17034	1	6.42195662
2003	male	mature	all shell condi	3114.44682	1	0.75405555
2003	female	immature	all shell condi	239.672061	1	-4.8823586
2003	female	mature	all shell condi	272.861512	1	10.0104127
2004	male	immature	all shell condi	207.016185	1	3.32507396
2004	male	mature	all shell condi	609.269352	1	9.75490721
2004	female	immature	all shell condi	152.540431	1	11.6062338
2004	female	mature	all shell condi	342.395365	1	-4.2191551
2005	male	immature	all shell condi	374.926357	1	2.26374554
2005	male	mature	all shell condi	1562.76439	1	-5.1900432
2005	female	immature	all shell condi	241.436979	1	19.141604
2005	female	mature	all shell condi	1581.86777	1	-2.7719208
2006	male	immature	all shell condi	390.306029	1	10.9575114
2006	male	mature	all shell condi	1561.54866	1	-1.2008544
2006	female	immature	all shell condi	200.720192	1	11.0864581
2006	female	mature	all shell condi	585.277964	1	-5.8139446
2007	male	immature	all shell condi	197.612154	1	27.177965
2007	male	mature	all shell condi	988.955936	1	1.27944317

2007	female	immature	all shell condi	693.477364	1	0.20075161
2007	female	mature	all shell condi	172.373832	1	-10.482389
2008	male	immature	all shell condi	561.829738	1	12.6296252
2008	male	mature	all shell condi	1285.0087	1	1.60319272
2008	female	immature	all shell condi	604.646668	1	2.10478007
2008	female	mature	all shell condi	684.591577	1	-6.9900561
2009	male	immature	all shell condi	119.754292	1	4.85846763
2009	male	mature	all shell condi	555.51997	1	8.79273539
2009	female	immature	all shell condi	77.0784626	1	0.91112524
2009	female	mature	all shell condi	1071.7581	1	4.7896093
2010	male	immature	all shell condi	317.864533	1	1.32551868
2010	male	mature	all shell condi	390.958112	1	13.0169367
2010	female	immature	all shell condi	204.432367	1	-2.1936166
2010	female	mature	all shell condi	5149.41623	1	-1.1228154
2011	male	immature	all shell condi	374.366276	1	10.5776148
2011	male	mature	all shell condi	2439.84857	1	-0.9591574
2011	female	immature	all shell condi	198.246022	1	11.5180829
2011	female	mature	all shell condi	284.387261	1	-5.5801953
2012	male	immature	all shell condi	332.171066	1	17.5737462
2012	male	mature	all shell condi	1468.49216	1	-1.5575116
2012	female	immature	all shell condi	250.518838	1	1.3318304
2012	female	mature	all shell condi	483.602525	1	-2.7521093
2013	male	immature	all shell condi	918.60045	1	9.64193894
2013	male	mature	all shell condi	332.754043	1	5.10122328
2013	female	immature	all shell condi	522.039711	1	-1.4470585
2013	female	mature	all shell condi	976.463247	1	-0.8580755
2014	male	immature	all shell condi	396.126026	1	14.1927441
2014	male	mature	all shell condi	539.352792	1	3.35126389
2014	female	immature	all shell condi	109.651483	1	13.1123198
2014	female	mature	all shell condi	375.90145	1	-7.7811002
2015	male	immature	all shell condi	1074.49493	1	7.82409949
2015	male	mature	all shell condi	568.950101	1	2.60933208
2015	female	immature	all shell condi	564.103109	1	2.51964471
2015	female	mature	all shell condi	648.211331	1	-0.8215134
2016	male	immature	all shell condi	471.263006	1	8.80611244
2016	male	mature	all shell condi	190.284591	1	19.9517543
2016	female	immature	all shell condi	380.798752	1	0.99809555
2016	female	mature	all shell condi	376.924883	1	-8.1852117
2017	male	immature	all shell condi	101.282295	1	-1.0992987
2017	male	mature	all shell condi	153.735157	1	23.4482018
2017	female	immature	all shell condi	71.7372362	1	6.49639018

	2017	female	mature	all shell condi	966.935824	1	0.95152945
all		male	all maturity st	new shell	3.58794631	0	276.777212
all		male	all maturity st	old shell	4.83770811	0	503.173525
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	3.11989972	0	209.276147
all		male	all maturity st	old shell	3.80088538	0	310.604688
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
	1975	male	all maturity st	new shell	62.2829062	0	28.3487263
	1975	male	all maturity st	old shell	34.0657915	0	33.4757704
	1976	male	all maturity st	new shell	68.0118418	0	19.4294197
	1976	male	all maturity st	old shell	23.4473796	0	50.0021912
	1977	male	all maturity st	new shell	48.9469668	0	25.2264399
	1977	male	all maturity st	old shell	82.0958189	0	18.1350899
	1978	male	all maturity st	new shell	116.484231	0	14.9047103
	1978	male	all maturity st	old shell	45.9304069	0	31.4621393
	1979	male	all maturity st	new shell	90.5662152	0	10.4226506
	1979	male	all maturity st	old shell	25.1240363	0	60.344679
	1980	male	all maturity st	new shell	50.5503961	0	17.9912599
	1980	male	all maturity st	old shell	23.0825114	0	72.6592559
	1981	male	all maturity st	new shell	63.5566773	0	17.6298951
	1981	male	all maturity st	old shell	20.1751452	0	59.0378955
	1982	male	all maturity st	new shell	52.3795642	0	21.9499578
	1982	male	all maturity st	old shell	306.046131	0	5.98900355
	1983	male	all maturity st	new shell	68.626097	0	14.8973915
	1983	male	all maturity st	old shell	93.360329	0	14.938634
	1984	male	all maturity st	new shell	135.143614	0	4.52589353
	1984	male	all maturity st	old shell	66.0816978	0	17.9509465
	1985	male	all maturity st	new shell	92.0899106	0	15.1975101
	1985	male	all maturity st	old shell	55.5029071	0	25.1766542
	1986	male	all maturity st	new shell	101.862787	0	11.7312384
	1986	male	all maturity st	old shell	88.7434444	0	15.5324315
	1987	male	all maturity st	new shell	75.3977701	0	10.9619882
	1987	male	all maturity st	old shell	113.408707	0	15.9511255
	1988	male	all maturity st	new shell	138.572787	0	7.66799289
	1988	male	all maturity st	old shell	146.435094	0	12.8246516
	1989	male	all maturity st	new shell	137.483994	0	8.23491985
	1989	male	all maturity st	old shell	366.899695	0	7.78002534
	1990	male	all maturity st	new shell	356.447119	0	3.99267149
	1990	male	all maturity st	old shell	203.865516	0	8.9036372

1991	male	all maturity st	new shell	173.942369	0	6.72877293
1991	male	all maturity st	old shell	186.904596	0	9.31173529
1992	male	all maturity st	new shell	185.734432	0	6.91647759
1992	male	all maturity st	old shell	71.6110692	0	15.9145057
1993	male	all maturity st	new shell	325.725881	0	3.82056965
1993	male	all maturity st	old shell	99.6013683	0	10.3984905
1994	male	all maturity st	new shell	216.272998	0	4.74454861
1994	male	all maturity st	old shell	76.5817441	0	13.4458912
1995	male	all maturity st	new shell	88.6062081	0	10.4836467
1995	male	all maturity st	old shell	65.0835049	0	16.7945275
1996	male	all maturity st	new shell	133.809172	0	10.0026007
1996	male	all maturity st	old shell	58.2581076	0	16.8308928
1997	male	all maturity st	new shell	160.369004	0	6.40446633
1997	male	all maturity st	old shell	202.04346	0	10.3821167
1998	male	all maturity st	new shell	165.93084	0	5.13097569
1998	male	all maturity st	old shell	422.22914	0	5.98313034
1999	male	all maturity st	new shell	72.8729362	0	11.8724586
1999	male	all maturity st	old shell	128.184424	0	10.4401085
2000	male	all maturity st	new shell	103.55705	0	6.47848432
2000	male	all maturity st	old shell	127.253064	0	12.7023177
2001	male	all maturity st	new shell	147.300415	0	7.37375805
2001	male	all maturity st	old shell	151.185481	0	12.7684955
2002	male	all maturity st	new shell	62.6916552	0	12.6933003
2002	male	all maturity st	old shell	333.074426	0	7.91487939
2003	male	all maturity st	new shell	148.997007	0	6.66106081
2003	male	all maturity st	old shell	188.181483	0	11.1793472
2004	male	all maturity st	new shell	98.7694459	0	8.84544245
2004	male	all maturity st	old shell	74.5488405	0	25.183237
2005	male	all maturity st	new shell	163.596455	0	6.85416668
2005	male	all maturity st	old shell	306.249016	0	8.43821447
2006	male	all maturity st	new shell	163.965148	0	8.06323837
2006	male	all maturity st	old shell	221.446904	0	11.5232866
2007	male	all maturity st	new shell	244.078277	0	6.23949789
2007	male	all maturity st	old shell	255.691902	0	11.879691
2008	male	all maturity st	new shell	378.540023	0	3.70414702
2008	male	all maturity st	old shell	150.829002	0	12.690616
2009	male	all maturity st	new shell	38.7495147	0	16.0576043
2009	male	all maturity st	old shell	145.301838	0	9.48142444
2010	male	all maturity st	new shell	64.849219	0	16.3709247
2010	male	all maturity st	old shell	220.503307	0	7.64723057
2011	male	all maturity st	new shell	183.053392	0	4.03021073

	2011	male	all maturity st	old shell	158.321302	0	11.0355434
	2012	male	all maturity st	new shell	251.135573	0	3.30995296
	2012	male	all maturity st	old shell	120.298561	0	11.5374357
	2013	male	all maturity st	new shell	165.493147	0	6.89097205
	2013	male	all maturity st	old shell	204.111315	0	11.2162146
	2014	male	all maturity st	new shell	248.003314	0	5.66423249
	2014	male	all maturity st	old shell	109.463577	0	12.1206571
	2015	male	all maturity st	new shell	494.297548	0	4.37786208
	2015	male	all maturity st	old shell	142.571844	0	10.2536269
	2016	male	all maturity st	new shell	181.462477	0	8.42989836
	2016	male	all maturity st	old shell	92.7099195	0	13.9552644
	2017	male	all maturity st	new shell	28.1787469	0	14.7083163
	2017	male	all maturity st	old shell	87.0818329	0	13.8234066
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.13964062	0	211.932879
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.69983154	0	156.715442
all		female	mature	old shell	3.1802932	0	217.456694
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	2.97054992	0	189.719587
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.65229964	0	151.245907
all		female	mature	old shell	2.84299622	0	173.776492
	1975	female	immature	new shell	15.4943238	0	29.3879561
	1975	female	mature	new shell	60.4286967	0	4.93857824
	1975	female	mature	old shell	10.0723729	0	25.5008057
	1976	female	immature	new shell	38.1025469	0	8.0989632
	1976	female	mature	new shell	70.322443	0	5.14543661
	1976	female	mature	old shell	10.7103831	0	26.8623495
	1977	female	immature	new shell	22.6593718	0	13.3282789
	1977	female	mature	new shell	70.3326603	0	6.7514744
	1977	female	mature	old shell	28.7979422	0	11.4483279
	1978	female	immature	new shell	27.4833373	0	9.09328049
	1978	female	mature	new shell	136.954416	0	2.43195634
	1978	female	mature	old shell	41.0806866	0	7.45847762

1979	female	immature	new shell	44.2761778	0	4.94683281
1979	female	mature	new shell	53.121666	0	8.17633193
1979	female	mature	old shell	28.1204335	0	10.6948838
1980	female	immature	new shell	103.575615	0	4.33411634
1980	female	mature	new shell	12.1769016	0	16.9474392
1980	female	mature	old shell	22.6134033	0	12.155621
1981	female	immature	new shell	49.7914384	0	8.8620976
1981	female	mature	new shell	9.27147314	0	33.6322412
1981	female	mature	old shell	87.3721503	0	5.23499722
1982	female	immature	new shell	41.7488485	0	16.5118678
1982	female	mature	new shell	9.47264613	0	23.1564082
1982	female	mature	old shell	33.572294	0	7.78880417
1983	female	immature	new shell	50.8341403	0	6.29261902
1983	female	mature	new shell	46.7172619	0	9.54129218
1983	female	mature	old shell	139.65713	0	2.02181512
1984	female	immature	new shell	34.757224	0	5.74740021
1984	female	mature	new shell	32.4896751	0	6.87289769
1984	female	mature	old shell	228.235755	0	2.16870013
1985	female	immature	new shell	156.497386	0	3.91296057
1985	female	mature	new shell	10.5547104	0	43.2608783
1985	female	mature	old shell	266.449619	0	2.76884838
1986	female	immature	new shell	75.9521982	0	5.6484423
1986	female	mature	new shell	6.2134667	0	39.4608225
1986	female	mature	old shell	26.2255511	0	12.1797752
1987	female	immature	new shell	18.6719784	0	33.1498724
1987	female	mature	new shell	32.1508823	0	12.0369949
1987	female	mature	old shell	19.721393	0	19.958131
1988	female	immature	new shell	104.099961	0	6.02893068
1988	female	mature	new shell	14.5315962	0	24.2597407
1988	female	mature	old shell	30.8038932	0	11.435882
1989	female	immature	new shell	49.2458814	0	5.28303717
1989	female	mature	new shell	24.0329284	0	12.8280664
1989	female	mature	old shell	39.8343944	0	11.0323605
1990	female	immature	new shell	57.2296198	0	6.01593823
1990	female	mature	new shell	228.753437	0	1.62050971
1990	female	mature	old shell	34.5128797	0	10.8588979
1991	female	immature	new shell	20.288676	0	14.5412341
1991	female	mature	new shell	127.305539	0	2.04101727
1991	female	mature	old shell	116.175194	0	3.64582032
1992	female	immature	new shell	26.8194819	0	15.2096164
1992	female	mature	new shell	82.6648639	0	4.98849236

1992	female	mature	old shell	105.384689	0	3.30427761
1993	female	immature	new shell	48.4902774	0	9.14820866
1993	female	mature	new shell	33.034373	0	7.80606346
1993	female	mature	old shell	158.373739	0	2.36273671
1994	female	immature	new shell	28.6435988	0	10.765982
1994	female	mature	new shell	35.6572717	0	10.7598588
1994	female	mature	old shell	187.697022	0	2.19960663
1995	female	immature	new shell	71.9942894	0	7.22694955
1995	female	mature	new shell	26.9887135	0	14.0765703
1995	female	mature	old shell	431.543362	0	0.88440999
1996	female	immature	new shell	66.7665376	0	7.61163806
1996	female	mature	new shell	20.3375649	0	13.6907364
1996	female	mature	old shell	187.894542	0	1.79252808
1997	female	immature	new shell	58.5041095	0	3.81859155
1997	female	mature	new shell	69.5997321	0	4.07171456
1997	female	mature	old shell	161.911713	0	2.57515209
1998	female	immature	new shell	322.87962	0	1.41570078
1998	female	mature	new shell	42.4029589	0	7.70167101
1998	female	mature	old shell	173.471685	0	2.93924125
1999	female	immature	new shell	58.0784752	0	6.09260421
1999	female	mature	new shell	13.1265692	0	17.9132185
1999	female	mature	old shell	119.105047	0	2.41712939
2000	female	immature	new shell	96.3247542	0	2.49449949
2000	female	mature	new shell	25.5153883	0	10.3972503
2000	female	mature	old shell	25.706598	0	12.7833679
2001	female	immature	new shell	175.461425	0	2.02219193
2001	female	mature	new shell	134.244806	0	4.67939743
2001	female	mature	old shell	40.8650122	0	6.14883386
2002	female	immature	new shell	53.2879144	0	5.26034387
2002	female	mature	new shell	49.3473766	0	7.14069126
2002	female	mature	old shell	64.2226893	0	3.50804126
2003	female	immature	new shell	76.207559	0	4.18867519
2003	female	mature	new shell	197.640602	0	1.83877281
2003	female	mature	old shell	56.2008278	0	8.21935465
2004	female	immature	new shell	59.9425026	0	6.38193396
2004	female	mature	new shell	140.990355	0	1.53901816
2004	female	mature	old shell	43.4657142	0	9.73713939
2005	female	immature	new shell	358.428013	0	1.7835023
2005	female	mature	new shell	117.848124	0	3.45112896
2005	female	mature	old shell	363.944075	0	2.37816138
2006	female	immature	new shell	52.5936758	0	7.18165766

	2006	female	mature	new shell	146.909932	0	2.39808026
	2006	female	mature	old shell	194.928655	0	2.58534062
	2007	female	immature	new shell	113.189581	0	3.67845015
	2007	female	mature	new shell	42.3160301	0	8.12184647
	2007	female	mature	old shell	557.417876	0	0.71246494
	2008	female	immature	new shell	83.9182383	0	4.89151872
	2008	female	mature	new shell	124.780091	0	4.0466588
	2008	female	mature	old shell	420.557086	0	0.8112857
	2009	female	immature	new shell	22.7428687	0	10.1659463
	2009	female	mature	new shell	35.1873896	0	5.827314
	2009	female	mature	old shell	556.660395	0	0.733597
	2010	female	immature	new shell	81.2523561	0	4.88544527
	2010	female	mature	new shell	150.948799	0	2.29361294
	2010	female	mature	old shell	608.250019	0	0.6786783
	2011	female	immature	new shell	63.7929147	0	6.36850326
	2011	female	mature	new shell	23.7415114	0	9.31757603
	2011	female	mature	old shell	145.149719	0	2.71613277
	2012	female	immature	new shell	63.219833	0	6.41350301
	2012	female	mature	new shell	29.4840318	0	7.64159779
	2012	female	mature	old shell	175.782583	0	1.83468485
	2013	female	immature	new shell	104.599807	0	4.37249514
	2013	female	mature	new shell	455.196494	0	1.14996932
	2013	female	mature	old shell	47.5560951	0	6.21674066
	2014	female	immature	new shell	19.3073177	0	20.5194436
	2014	female	mature	new shell	71.6374315	0	2.99289193
	2014	female	mature	old shell	58.4307789	0	5.54594614
	2015	female	immature	new shell	72.3473734	0	6.26103709
	2015	female	mature	new shell	21.0628314	0	10.9753443
	2015	female	mature	old shell	224.830251	0	1.66674199
	2016	female	immature	new shell	44.5722806	0	9.72669992
	2016	female	mature	new shell	86.874564	0	6.69938886
	2016	female	mature	old shell	83.8759324	0	3.14730786
	2017	female	immature	new shell	15.7243582	0	12.4418349
	2017	female	mature	new shell	30.8962672	0	16.3897634
	2017	female	mature	old shell	136.981019	0	1.59503805
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.19255083	20	0.70444066
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	19.9834052	1	17.1966944
	1981	male	all maturity st	all shell condi	684.544372	1	0.49504636

	1982	male	all maturity st	all shell condi	588.485471	1	1.89475099
	1983	male	all maturity st	all shell condi	49.9737207	1	1.51390791
	1984	male	all maturity st	all shell condi	263.116478	1	0.74827856
	1988	male	all maturity st	all shell condi	101.97426	1	5.82077828
	1989	male	all maturity st	all shell condi	854.99825	1	0.58907861
	1990	male	all maturity st	all shell condi	299.197363	1	2.91318887
	1991	male	all maturity st	all shell condi	208.691343	1	4.38383616
	1992	male	all maturity st	all shell condi	82.3817938	1	14.1113391
	1993	male	all maturity st	all shell condi	128.589917	1	7.33404422
	1994	male	all maturity st	all shell condi	113.096919	1	10.3511488
	1995	male	all maturity st	all shell condi	219.075348	1	0.51270605
	1996	male	all maturity st	all shell condi	181.804018	1	1.21470312
	2005	male	all maturity st	all shell condi	14.9126119	1	1.44630888
	2006	male	all maturity st	all shell condi	156.766974	1	0.86076932
	2007	male	all maturity st	all shell condi	794.963999	1	1.12744259
	2008	male	all maturity st	all shell condi	370.134536	1	0.82833537
	2009	male	all maturity st	all shell condi	94.0505746	1	0.92446333
	2013	male	all maturity st	all shell condi	532.929632	1	0.5033938
	2014	male	all maturity st	all shell condi	345.854093	1	2.55018605
	2015	male	all maturity st	all shell condi	263.121677	1	5.91571956
all		male	all maturity st	all shell condi	0.19699587	20	0.25224793
all		female	all maturity st	all shell condi	0.57878364	20	2.17743828
	1991	male	all maturity st	all shell condi	2639.32419	1	0.81163365
	1991	female	all maturity st	all shell condi	552.490172	1	1.28794301
	1992	male	all maturity st	all shell condi	113.750191	1	22.8063486
	1992	female	all maturity st	all shell condi	447.914156	1	0.54551411
	1993	male	all maturity st	all shell condi	230.78298	1	10.0831582
	1993	female	all maturity st	all shell condi	352.444607	1	0.95219282
	1994	male	all maturity st	all shell condi	639.169585	1	0.95903412
	1994	female	all maturity st	all shell condi	57.4763888	1	1.36780359
	1995	male	all maturity st	all shell condi	250.166251	1	1.17285319
	1995	female	all maturity st	all shell condi	84.0853767	1	1.0244408
	1996	male	all maturity st	all shell condi	27.8893059	1	1.52184971
	1996	female	all maturity st	all shell condi	265.43488	1	0.05544206
	2005	male	all maturity st	all shell condi	118.634991	1	13.9661845
	2005	female	all maturity st	all shell condi	39.6510987	1	0.95781233
	2006	male	all maturity st	all shell condi	340.81256	1	4.81081819
	2006	female	all maturity st	all shell condi	441.408759	1	0.76610271
	2007	male	all maturity st	all shell condi	583.924232	1	4.96584546
	2007	female	all maturity st	all shell condi	328.147331	1	0.37587949
	2008	male	all maturity st	all shell condi	682.205208	1	4.77321643

	2008	female	all maturity st	all shell condi	46.5661037	1	0.31736883
	2009	male	all maturity st	all shell condi	212.684788	1	6.4312551
	2009	female	all maturity st	all shell condi	23.6882313	1	0.18388602
	2013	male	all maturity st	all shell condi	2169.02203	1	1.50518681
	2013	female	all maturity st	all shell condi	65.9775025	1	0.5867876
	2014	male	all maturity st	all shell condi	320.848686	1	8.84325791
	2014	female	all maturity st	all shell condi	181.27586	1	0.20464188
	2015	male	all maturity st	all shell condi	190.393336	1	11.0699411
	2015	female	all maturity st	all shell condi	76.0809607	1	1.04368369
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.0826813	20	0.08545246
all		female	all maturity st	all shell condi	0.31510232	20	1.24111837
	1992	male	all maturity st	all shell condi	469.621182	1	1.82320443
	1992	female	all maturity st	all shell condi	19.0106691	1	0.92702774
	1993	male	all maturity st	all shell condi	206.809717	1	1.81046986
	1993	female	all maturity st	all shell condi	32.1095498	1	1.12599452
	1994	male	all maturity st	all shell condi	82.0900204	1	1.65652919
	1994	female	all maturity st	all shell condi	39.4923	1	1.90614459
	1995	male	all maturity st	all shell condi	131.85061	1	0.65715874
	1995	female	all maturity st	all shell condi	44.4483543	1	0.26722168
	1996	male	all maturity st	all shell condi	121.058511	1	2.22272498
	1996	female	all maturity st	all shell condi	50.4980687	1	0.37600635
	1997	male	all maturity st	all shell condi	397.893271	1	0.94151411
	1997	female	all maturity st	all shell condi	112.03025	1	0.19784483
	1998	male	all maturity st	all shell condi	902.73633	1	0.2387441
	1998	female	all maturity st	all shell condi	23.0122305	1	0.29186238
	1999	male	all maturity st	all shell condi	196.471244	1	0.28786617
	1999	female	all maturity st	all shell condi	32.6360922	1	0.0662771
	2000	male	all maturity st	all shell condi	272.663995	1	0.29133997
	2000	female	all maturity st	all shell condi	33.8507497	1	0.09349505
	2001	male	all maturity st	all shell condi	448.748774	1	0.37766153
	2001	female	all maturity st	all shell condi	138.322325	1	0.05882503
	2002	male	all maturity st	all shell condi	50.0197463	1	0.90961999
	2002	female	all maturity st	all shell condi	50.6524861	1	0.05970745
	2003	male	all maturity st	all shell condi	91.2387161	1	0.4334778
	2003	female	all maturity st	all shell condi	49.2961888	1	0.09435519
	2004	male	all maturity st	all shell condi	20.5802743	1	1.9815173
	2004	female	all maturity st	all shell condi	31.7165746	1	0.81435331
	2005	male	all maturity st	all shell condi	112.813644	1	4.74941596
	2005	female	all maturity st	all shell condi	133.578514	1	0.16022681

	2006	male	all maturity st	all shell condi	73.367915	1	6.11832694
	2006	female	all maturity st	all shell condi	53.0196456	1	1.16944028
	2007	male	all maturity st	all shell condi	323.174496	1	2.41745538
	2007	female	all maturity st	all shell condi	47.988941	1	0.43664463
	2008	male	all maturity st	all shell condi	91.519902	1	7.00753286
	2008	female	all maturity st	all shell condi	13.803445	1	2.25511977
	2009	male	all maturity st	all shell condi	462.088105	1	2.01585579
	2009	female	all maturity st	all shell condi	18.0065751	1	1.02445515
	2010	male	all maturity st	all shell condi	328.191275	1	1.43198885
	2010	female	all maturity st	all shell condi	54.4409557	1	0.23734365
	2011	male	all maturity st	all shell condi	193.57751	1	3.36823772
	2011	female	all maturity st	all shell condi	51.6929559	1	0.21053313
	2012	male	all maturity st	all shell condi	201.33818	1	2.7852855
	2012	female	all maturity st	all shell condi	37.9077678	1	0.22155228
	2013	male	all maturity st	all shell condi	274.545907	1	2.48841682
	2013	female	all maturity st	all shell condi	274.523592	1	0.07577197
	2014	male	all maturity st	all shell condi	415.133839	1	3.15213573
	2014	female	all maturity st	all shell condi	45.5901501	1	0.53966444
	2015	male	all maturity st	all shell condi	501.644068	1	2.01316853
	2015	female	all maturity st	all shell condi	111.176475	1	0.09691184
	2016	male	all maturity st	all shell condi	387.166503	1	2.71926677
	2016	female	all maturity st	all shell condi	108.445529	1	0.09989514
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.05260648	20	0.06088371
	1973	male	all maturity st	all shell condi	123.890608	1	-2.2981717
	1973	female	all maturity st	all shell condi	156.309229	1	6.53446835
	1974	male	all maturity st	all shell condi	327.512597	1	-1.8256877
	1974	female	all maturity st	all shell condi	189.944655	1	3.81916234
	1975	male	all maturity st	all shell condi	200.470827	1	-0.5856709
	1975	female	all maturity st	all shell condi	172.711182	1	2.10398817
	1976	male	all maturity st	all shell condi	111.023424	1	-5.0638155
	1976	female	all maturity st	all shell condi	96.5962523	1	21.9463376
	1977	male	all maturity st	all shell condi	194.001869	1	-2.3717586
	1977	female	all maturity st	all shell condi	327.27776	1	14.7762039
	1978	male	all maturity st	all shell condi	241.75783	1	-6.4020177
	1978	female	all maturity st	all shell condi	148.109012	1	25.8976092
	1979	male	all maturity st	all shell condi	583.643718	1	-7.2761214
	1979	female	all maturity st	all shell condi	574.577891	1	13.9947703
	1980	male	all maturity st	all shell condi	560.355607	1	4.38607464
	1980	female	all maturity st	all shell condi	847.434493	1	0.95107472
	1981	male	all maturity st	all shell condi	709.601364	1	-3.2271825

1981	female	all maturity st	all shell condi	60.1163184	1	12.1622503
1982	male	all maturity st	all shell condi	637.309095	1	6.35831686
1982	female	all maturity st	all shell condi	67.4658425	1	14.9491457
1983	male	all maturity st	all shell condi	290.454244	1	33.2745546
1983	female	all maturity st	all shell condi	137.773346	1	-10.468038
1984	male	all maturity st	all shell condi	395.113871	1	39.4534659
1984	female	all maturity st	all shell condi	240.21409	1	-18.990345
1985	male	all maturity st	all shell condi	195.649219	1	24.8330696
1985	female	all maturity st	all shell condi	283.316209	1	-6.7422546
1986	male	all maturity st	all shell condi	496.632306	1	9.27628109
1986	female	all maturity st	all shell condi	227.895247	1	-0.0156522
1987	male	all maturity st	all shell condi	245.138321	1	15.0629014
1987	female	all maturity st	all shell condi	630.48797	1	5.4530891
1988	male	all maturity st	all shell condi	281.813089	1	3.25949099
1988	female	all maturity st	all shell condi	219.767764	1	10.3985453
1989	male	all maturity st	all shell condi	596.021205	1	-7.5880694
1989	female	all maturity st	all shell condi	528.687448	1	20.4640946
1990	male	all maturity st	all shell condi	873.312588	1	13.7472457
1990	female	all maturity st	all shell condi	271.192313	1	-4.8049177
1991	male	all maturity st	all shell condi	330.915672	1	0.61364224
1991	female	all maturity st	all shell condi	197.418091	1	6.7856399
1992	male	all maturity st	all shell condi	194.998284	1	4.59344109
1992	female	all maturity st	all shell condi	61.7821718	1	3.11380923
1993	male	all maturity st	all shell condi	70.5112849	1	3.87565465
1993	female	all maturity st	all shell condi	89.0041027	1	-0.4429914
1994	male	all maturity st	all shell condi	207.794819	1	2.96060822
1994	female	all maturity st	all shell condi	408.590477	1	1.22926642
1995	male	all maturity st	all shell condi	62.2993746	1	10.3958722
1995	female	all maturity st	all shell condi	60.206439	1	4.81139357
1996	male	all maturity st	all shell condi	170.832428	1	12.0575914
1996	female	all maturity st	all shell condi	556.755648	1	-3.8275219
1997	male	all maturity st	all shell condi	47.5396417	1	24.3248686
1997	female	all maturity st	all shell condi	166.872906	1	5.93902546
1998	male	all maturity st	all shell condi	112.757177	1	10.1987912
1998	female	all maturity st	all shell condi	277.937979	1	7.33612943
1999	male	all maturity st	all shell condi	377.666277	1	5.37330113
1999	female	all maturity st	all shell condi	1020.51754	1	2.10956376
2000	male	all maturity st	all shell condi	360.899391	1	6.31590566
2000	female	all maturity st	all shell condi	739.325825	1	-0.1158374
2001	male	all maturity st	all shell condi	469.121582	1	9.94818174
2001	female	all maturity st	all shell condi	1249.74511	1	-3.6324862

	2002	male	all maturity st	all shell condi	401.955926	1	10.2295904
	2002	female	all maturity st	all shell condi	963.935924	1	-0.2158087
	2003	male	all maturity st	all shell condi	185.721818	1	4.38470547
	2003	female	all maturity st	all shell condi	329.333361	1	4.82722509
	2004	male	all maturity st	all shell condi	109.92888	1	-2.4767936
	2004	female	all maturity st	all shell condi	30.8928426	1	40.2545932
	2005	male	all maturity st	all shell condi	1236.75403	1	4.00128331
	2005	female	all maturity st	all shell condi	1942.05302	1	0.77285285
	2006	male	all maturity st	all shell condi	208.682483	1	11.7675267
	2006	female	all maturity st	all shell condi	146.446252	1	3.4892538
	2007	male	all maturity st	all shell condi	168.129896	1	10.3068564
	2007	female	all maturity st	all shell condi	87.2066253	1	10.4089811
	2008	male	all maturity st	all shell condi	156.759956	1	26.250836
	2008	female	all maturity st	all shell condi	172.824821	1	-7.9928615
	2009	male	all maturity st	all shell condi	328.943069	1	12.5836773
	2009	female	all maturity st	all shell condi	540.079204	1	-6.5140807
	2010	male	all maturity st	all shell condi	519.449174	1	5.61522276
	2010	female	all maturity st	all shell condi	1645.90051	1	-2.1064566
	2011	male	all maturity st	all shell condi	78.142457	1	11.9938851
	2011	female	all maturity st	all shell condi	68.028102	1	21.4017281
	2012	male	all maturity st	all shell condi	359.094789	1	-7.4389353
	2012	female	all maturity st	all shell condi	127.565661	1	13.670334
	2013	male	all maturity st	all shell condi	240.191497	1	1.52721545
	2013	female	all maturity st	all shell condi	513.139806	1	11.6151071
	2014	male	all maturity st	all shell condi	836.997576	1	9.51890528
	2014	female	all maturity st	all shell condi	802.042864	1	-5.1939914
	2015	male	all maturity st	all shell condi	200.141809	1	14.681242
	2015	female	all maturity st	all shell condi	208.902851	1	4.76657056
	2016	male	all maturity st	all shell condi	198.848263	1	-5.008416
	2016	female	all maturity st	all shell condi	52.6119285	1	26.2477079
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.18096499	20	0.37660577
all		female	all maturity st	all shell condi	0.00735924	20	0.00062282
	1992	male	all maturity st	all shell condi	36.1143651	1	2.50022136
	1992	female	all maturity st	all shell condi	82.8669636	1	0.12643566
	1993	male	all maturity st	all shell condi	41.3339261	1	7.30811212
	1993	female	all maturity st	all shell condi	284.290775	1	0.28570369
	1996	male	all maturity st	all shell condi	18.7511941	1	0.30070977
	1996	female	all maturity st	all shell condi	3.43192542	1	0.03188369
	1997	male	all maturity st	all shell condi	25.5604429	1	1.89225698

1997	female	all maturity st	all shell condi	28.3418185	1	0.05571695
1998	male	all maturity st	all shell condi	69.0046561	1	0.33327546
1998	female	all maturity st	all shell condi	21.4412271	1	0.07026719
1999	male	all maturity st	all shell condi	48.2934792	1	0.31540596
1999	female	all maturity st	all shell condi	18.1072413	1	0.02634377
2000	male	all maturity st	all shell condi	127.729939	1	0.78443535
2000	female	all maturity st	all shell condi	41.0769095	1	0.06136214
2001	male	all maturity st	all shell condi	127.70776	1	0.30523721
2001	female	all maturity st	all shell condi	50.7395344	1	0.03767415
2002	male	all maturity st	all shell condi	102.077172	1	0.50969117
2002	female	all maturity st	all shell condi	34.7330393	1	0.0516287
2003	male	all maturity st	all shell condi	69.7385058	1	0.59879912
2003	female	all maturity st	all shell condi	52.3151933	1	0.09367759
2004	male	all maturity st	all shell condi	36.3225476	1	0.77825845
2004	female	all maturity st	all shell condi	20.3718811	1	0.05827071
2005	male	all maturity st	all shell condi	43.0950026	1	1.76434192
2005	female	all maturity st	all shell condi	12.805727	1	0.17040486
2006	male	all maturity st	all shell condi	22.6716892	1	2.18130839
2006	female	all maturity st	all shell condi	24.5659016	1	0.26259697
2007	male	all maturity st	all shell condi	82.2545164	1	1.34235306
2007	female	all maturity st	all shell condi	110.217158	1	0.08533902
2008	male	all maturity st	all shell condi	69.7691766	1	2.66708273
2008	female	all maturity st	all shell condi	99.0528295	1	0.12334684
2009	male	all maturity st	all shell condi	24.0504483	1	6.12757389
2009	female	all maturity st	all shell condi	103.009224	1	0.05156133
2010	male	all maturity st	all shell condi	51.4471026	1	0.90247195
2010	female	all maturity st	all shell condi	36.6794999	1	0.04370162
2011	male	all maturity st	all shell condi	71.9501237	1	0.33955518
2011	female	all maturity st	all shell condi	5.94291801	1	0.01933847
2012	male	all maturity st	all shell condi	64.6543497	1	0.6951956
2012	female	all maturity st	all shell condi	6.84999828	1	0.20988261
2013	male	all maturity st	all shell condi	68.1477374	1	1.66851568
2013	female	all maturity st	all shell condi	9.59906037	1	0.17813378
2014	male	all maturity st	all shell condi	144.67511	1	1.30515508
2014	female	all maturity st	all shell condi	19.141307	1	0.07403984
2015	male	all maturity st	all shell condi	167.985613	1	0.89326205
2015	female	all maturity st	all shell condi	83.235736	1	0.074802
2016	male	all maturity st	all shell condi	22.922201	1	7.72055413
2016	female	all maturity st	all shell condi	19.9525107	1	0.51249803
2015	male	immature	new shell	0.43132573	1	83.3403431
2016	male	immature	new shell	0.43132573	1	96.416011

2015	female	immature	new shell	0.28594325	1	70.470796
2016	female	immature	new shell	0.28594325	1	59.6599104
1994	male	immature	new shell	0.45512274	0	11.5861876
1995	male	immature	new shell	0.45512274	0	26.8382623
1996	male	immature	new shell	0.45512274	0	314.952811
1997	male	immature	new shell	0.45512274	0	416.769171
1998	male	immature	new shell	0.45512274	0	431.938771
1999	male	immature	new shell	0.45512274	0	402.759071
2000	male	immature	new shell	0.45512274	0	647.546759
2001	male	immature	new shell	0.45512274	0	744.643085
2002	male	immature	new shell	0.45512274	0	691.326549
2003	male	immature	new shell	0.45512274	0	238.644315
2004	male	immature	new shell	0.45512274	0	155.576947
2005	male	immature	new shell	0.45512274	0	81.9714696
2006	male	immature	new shell	0.45512274	0	9.95394843
2011	male	immature	new shell	0.45512274	0	1.95371494
2012	male	immature	new shell	0.45512274	0	2.63706999
1994	female	immature	new shell	0.46854508	0	15.1550155
1995	female	immature	new shell	0.46854508	0	14.6548342
1996	female	immature	new shell	0.46854508	0	213.481935
1997	female	immature	new shell	0.46854508	0	167.754587
1998	female	immature	new shell	0.46854508	0	229.88697
1999	female	immature	new shell	0.46854508	0	299.222637
2000	female	immature	new shell	0.46854508	0	561.689497
2001	female	immature	new shell	0.46854508	0	542.766662
2002	female	immature	new shell	0.46854508	0	342.816769
2003	female	immature	new shell	0.46854508	0	91.4777134
2004	female	immature	new shell	0.46854508	0	98.6192625
2005	female	immature	new shell	0.46854508	0	25.1732407
2006	female	immature	new shell	0.46854508	0	8.25001558
2012	female	immature	new shell	0.46854508	0	2.40944494
1990	male		new shell	2.47184416	1	54.3587744
1991	male		new shell	2.47184416	1	57.1891191
1992	male		new shell	2.47184416	1	18.0361141
1993	male		new shell	2.47184416	1	26.4350093
1994	male		new shell	2.47184416	1	20.8690241
1995	male		new shell	2.47184416	1	13.7001464
1997	male		new shell	2.47184416	1	10.2366717
1998	male		new shell	2.47184416	1	24.5340007
1999	male		new shell	2.47184416	1	12.3125789
2000	male		new shell	2.47184416	1	21.0032094

	2001	male		new shell	2.47184416	1	25.3976643
	2002	male		new shell	2.47184416	1	18.6473362
	2003	male		new shell	2.47184416	1	11.7705504
	2004	male		new shell	2.47184416	1	17.2976434
	2005	male		new shell	2.47184416	1	63.8651108
	2008	male		new shell	2.47184416	1	47.2304111
	2010	male		new shell	2.47184416	1	60.9170303
	2012	male		new shell	2.47184416	1	15.5040268
	2014	male		new shell	2.47184416	1	20.5084407
	2016	male		new shell	2.47184416	1	38.4101066
	2017	male		new shell	2.47184416	1	15.6849878
all		male	immature	new shell	0.09975135	1	906.604068
all		male	mature	new shell	0.09975135	1	906.604068
all		male	immature	old shell	0.09975135	1	906.604068
all		male	mature	old shell	0.09975135	1	906.604068
all		female	immature	new shell	0.09975135	1	906.604068
all		female	mature	new shell	0.09975135	1	906.604068
all		female	immature	old shell	0.09975135	1	906.604068
all		female	mature	old shell	0.09975135	1	906.604068
all		male	immature	new shell	0.09975135	1	555.576179
all		male	mature	new shell	0.09975135	1	555.576179
all		male	immature	old shell	0.09975135	1	555.576179
all		male	mature	old shell	0.09975135	1	555.576179
all		female	immature	new shell	0.09975135	1	555.576179
all		female	mature	new shell	0.09975135	1	555.576179
all		female	immature	old shell	0.09975135	1	555.576179
all		female	mature	old shell	0.09975135	1	555.576179
all		male	immature	all shell condi	3.50434076	0	264.028689
all		male	mature	all shell condi	2.26344971	0	110.148898
all		female	immature	all shell condi	3.14362366	0	212.470949
all		female	mature	all shell condi	2.60318909	0	145.696759
all		male	mature	all shell condi	2.26235427	1	110.042308
all		female	mature	all shell condi	2.3531967	1	119.056997
	1975	male	immature	all shell condi	153.543254	1	26.4326078
	1975	male	mature	all shell condi	93.8425649	1	35.8989261
	1975	female	immature	all shell condi	121.309522	1	9.80771456
	1975	female	mature	all shell condi	77.6168239	1	-14.309659
	1976	male	immature	all shell condi	274.186663	1	16.2524484
	1976	male	mature	all shell condi	212.833389	1	5.29924464
	1976	female	immature	all shell condi	173.099584	1	9.1844801
	1976	female	mature	all shell condi	142.461331	1	-3.4698997

1977	male	immature	all shell condi	140.125095	1	7.37403772
1977	male	mature	all shell condi	209.514846	1	-0.7422172
1977	female	immature	all shell condi	47.525564	1	33.8770084
1977	female	mature	all shell condi	270.74473	1	0.59949322
1978	male	immature	all shell condi	447.218233	1	0.90453042
1978	male	mature	all shell condi	225.42856	1	9.93419208
1978	female	immature	all shell condi	99.8851605	1	11.4501535
1978	female	mature	all shell condi	437.754456	1	1.12634559
1979	male	immature	all shell condi	137.054246	1	17.8522959
1979	male	mature	all shell condi	257.492271	1	-4.0636471
1979	female	immature	all shell condi	271.477857	1	-8.222182
1979	female	mature	all shell condi	109.140085	1	20.793082
1980	male	immature	all shell condi	69.8514999	1	35.4778983
1980	male	mature	all shell condi	159.560541	1	-11.270589
1980	female	immature	all shell condi	995.149602	1	-2.0209565
1980	female	mature	all shell condi	72.1009001	1	13.4079355
1981	male	immature	all shell condi	294.631589	1	11.9141469
1981	male	mature	all shell condi	457.625267	1	-11.00144
1981	female	immature	all shell condi	153.647273	1	-6.6990846
1981	female	mature	all shell condi	33.131009	1	48.7632205
1982	male	immature	all shell condi	179.557035	1	-12.075347
1982	male	mature	all shell condi	403.021498	1	-10.900626
1982	female	immature	all shell condi	113.439865	1	-7.9403527
1982	female	mature	all shell condi	7.85830237	1	125.511894
1983	male	immature	all shell condi	199.642113	1	3.1768804
1983	male	mature	all shell condi	756.195776	1	-1.3959596
1983	female	immature	all shell condi	207.261418	1	5.49676182
1983	female	mature	all shell condi	173.227388	1	15.161299
1984	male	immature	all shell condi	292.881955	1	-13.460668
1984	male	mature	all shell condi	188.816131	1	17.8816704
1984	female	immature	all shell condi	147.455351	1	-7.1157683
1984	female	mature	all shell condi	97.0596374	1	26.447946
1985	male	immature	all shell condi	188.944502	1	-17.195373
1985	male	mature	all shell condi	68.7676641	1	37.1214903
1985	female	immature	all shell condi	116.963465	1	-18.519288
1985	female	mature	all shell condi	75.5245568	1	35.697412
1986	male	immature	all shell condi	401.528087	1	8.56674663
1986	male	mature	all shell condi	119.392807	1	21.645615
1986	female	immature	all shell condi	189.998475	1	-5.096794
1986	female	mature	all shell condi	151.349558	1	-1.4754597
1987	male	immature	all shell condi	194.914911	1	8.77936574

1987	male	mature	all shell condi	1341.13548	1	0.60397873
1987	female	immature	all shell condi	49.7521685	1	53.5969113
1987	female	mature	all shell condi	114.256884	1	-6.943994
1988	male	immature	all shell condi	700.610059	1	6.07342369
1988	male	mature	all shell condi	1529.05489	1	2.32152172
1988	female	immature	all shell condi	377.368341	1	-3.665613
1988	female	mature	all shell condi	113.572801	1	12.7017269
1989	male	immature	all shell condi	169.582586	1	16.0958113
1989	male	mature	all shell condi	659.627832	1	-3.7071191
1989	female	immature	all shell condi	92.9870407	1	19.9645563
1989	female	mature	all shell condi	129.630519	1	-7.1728211
1990	male	immature	all shell condi	799.759847	1	5.46365742
1990	male	mature	all shell condi	406.892638	1	-9.7510971
1990	female	immature	all shell condi	271.365354	1	8.38021666
1990	female	mature	all shell condi	348.90006	1	10.1808918
1991	male	immature	all shell condi	350.661989	1	10.1781666
1991	male	mature	all shell condi	507.53458	1	-11.986461
1991	female	immature	all shell condi	173.395833	1	6.71761063
1991	female	mature	all shell condi	620.157801	1	10.6108858
1992	male	immature	all shell condi	706.331218	1	11.5389694
1992	male	mature	all shell condi	276.164669	1	2.79434421
1992	female	immature	all shell condi	320.888459	1	2.52028994
1992	female	mature	all shell condi	1065.44196	1	-0.4357183
1993	male	immature	all shell condi	403.368662	1	17.149247
1993	male	mature	all shell condi	300.65492	1	8.71983872
1993	female	immature	all shell condi	501.952245	1	3.0816685
1993	female	mature	all shell condi	280.213316	1	-13.140222
1994	male	immature	all shell condi	323.68479	1	9.96657263
1994	male	mature	all shell condi	343.160862	1	2.63508164
1994	female	immature	all shell condi	87.5174351	1	17.6401278
1994	female	mature	all shell condi	361.861682	1	-10.122001
1995	male	immature	all shell condi	360.942927	1	-3.2872131
1995	male	mature	all shell condi	366.738366	1	1.80916411
1995	female	immature	all shell condi	367.31726	1	-2.6430146
1995	female	mature	all shell condi	157.086579	1	22.7894694
1996	male	immature	all shell condi	612.991167	1	-0.6266468
1996	male	mature	all shell condi	422.634147	1	3.78073281
1996	female	immature	all shell condi	314.162181	1	-1.3075088
1996	female	mature	all shell condi	287.114463	1	12.4954949
1997	male	immature	all shell condi	466.298223	1	5.42122218
1997	male	mature	all shell condi	1229.61321	1	-5.0534268

1997	female	immature	all shell condi	112.764658	1	17.9048912
1997	female	mature	all shell condi	550.917403	1	-6.2994887
1998	male	immature	all shell condi	221.219703	1	14.8100024
1998	male	mature	all shell condi	2117.71023	1	-4.0288979
1998	female	immature	all shell condi	444.064287	1	14.0610613
1998	female	mature	all shell condi	168.123797	1	-9.8850292
1999	male	immature	all shell condi	146.742357	1	14.493242
1999	male	mature	all shell condi	1254.76359	1	1.5473411
1999	female	immature	all shell condi	174.374914	1	7.39421573
1999	female	mature	all shell condi	415.06916	1	-3.7678438
2000	male	immature	all shell condi	180.164515	1	6.87774792
2000	male	mature	all shell condi	881.557462	1	6.17991542
2000	female	immature	all shell condi	350.776181	1	0.21809367
2000	female	mature	all shell condi	268.510332	1	-0.1488165
2001	male	immature	all shell condi	286.341733	1	11.5576661
2001	male	mature	all shell condi	955.632175	1	-4.8855219
2001	female	immature	all shell condi	306.032116	1	12.4690889
2001	female	mature	all shell condi	351.545984	1	-4.7889783
2002	male	immature	all shell condi	160.779935	1	8.97398104
2002	male	mature	all shell condi	1691.00309	1	-3.3135901
2002	female	immature	all shell condi	112.56354	1	16.7792901
2002	female	mature	all shell condi	924.629251	1	-3.8101733
2003	male	immature	all shell condi	346.457088	1	5.91438372
2003	male	mature	all shell condi	3265.38922	1	1.06251533
2003	female	immature	all shell condi	241.616791	1	-5.5121419
2003	female	mature	all shell condi	247.924397	1	10.6807138
2004	male	immature	all shell condi	194.325121	1	3.63585345
2004	male	mature	all shell condi	623.572405	1	9.54777881
2004	female	immature	all shell condi	144.993861	1	11.8349448
2004	female	mature	all shell condi	357.650874	1	-4.0637903
2005	male	immature	all shell condi	358.401259	1	2.58283897
2005	male	mature	all shell condi	1475.90809	1	-5.4608371
2005	female	immature	all shell condi	238.472006	1	19.2019261
2005	female	mature	all shell condi	1634.86157	1	-2.6345876
2006	male	immature	all shell condi	388.593175	1	11.2657547
2006	male	mature	all shell condi	1579.64488	1	-1.8222709
2006	female	immature	all shell condi	195.465452	1	11.1734363
2006	female	mature	all shell condi	610.940849	1	-5.6357149
2007	male	immature	all shell condi	193.622716	1	27.5686453
2007	male	mature	all shell condi	1029.13804	1	0.72511836
2007	female	immature	all shell condi	690.562477	1	-0.1391543

2007	female	mature	all shell condi	178.374558	1	-10.204814
2008	male	immature	all shell condi	550.532428	1	12.6682239
2008	male	mature	all shell condi	1395.49707	1	1.400998
2008	female	immature	all shell condi	619.851519	1	1.56103946
2008	female	mature	all shell condi	742.096809	1	-6.5700254
2009	male	immature	all shell condi	121.400005	1	4.889312
2009	male	mature	all shell condi	603.920559	1	8.220379
2009	female	immature	all shell condi	78.2860407	1	0.87495947
2009	female	mature	all shell condi	1041.18913	1	4.91544425
2010	male	immature	all shell condi	320.657152	1	1.85160966
2010	male	mature	all shell condi	456.877473	1	11.6300597
2010	female	immature	all shell condi	204.400495	1	-1.4516712
2010	female	mature	all shell condi	4269.94639	1	-1.4100706
2011	male	immature	all shell condi	350.287384	1	11.5602799
2011	male	mature	all shell condi	2181.27493	1	-1.9926067
2011	female	immature	all shell condi	189.228029	1	12.6131411
2011	female	mature	all shell condi	274.34781	1	-5.7394571
2012	male	immature	all shell condi	318.592474	1	18.427365
2012	male	mature	all shell condi	1349.59488	1	-2.4275256
2012	female	immature	all shell condi	246.914322	1	1.69340615
2012	female	mature	all shell condi	488.039959	1	-2.6856077
2013	male	immature	all shell condi	875.088449	1	10.2613933
2013	male	mature	all shell condi	339.913827	1	4.35867944
2013	female	immature	all shell condi	513.297762	1	-1.5738706
2013	female	mature	all shell condi	979.068363	1	-0.5348008
2014	male	immature	all shell condi	393.572593	1	14.4998148
2014	male	mature	all shell condi	559.082192	1	2.77055403
2014	female	immature	all shell condi	110.866866	1	12.8456799
2014	female	mature	all shell condi	386.65779	1	-7.4911588
2015	male	immature	all shell condi	1080.76206	1	7.95388944
2015	male	mature	all shell condi	593.508471	1	2.10086355
2015	female	immature	all shell condi	574.948176	1	2.27727929
2015	female	mature	all shell condi	659.326024	1	-0.5337837
2016	male	immature	all shell condi	471.673903	1	8.88164583
2016	male	mature	all shell condi	198.927782	1	19.19297
2016	female	immature	all shell condi	386.111691	1	0.73232325
2016	female	mature	all shell condi	396.274688	1	-7.8739157
2017	male	immature	all shell condi	101.06999	1	-1.1269666
2017	male	mature	all shell condi	158.480226	1	22.9411958
2017	female	immature	all shell condi	71.4130423	1	6.43574315
2017	female	mature	all shell condi	959.886921	1	1.23894071

all		male	all maturity st	new shell	3.6685933	0 289.359401
all		male	all maturity st	old shell	4.8572034	0 507.237135
all		female	all maturity st	new shell	0	0 0
all		female	all maturity st	old shell	0	0 0
all		male	all maturity st	new shell	3.26359176	0 228.997171
all		male	all maturity st	old shell	3.7975782	0 310.064404
all		female	all maturity st	new shell	0	0 0
all		female	all maturity st	old shell	0	0 0
	1975	male	all maturity st	new shell	61.0768772	0 27.5658426
	1975	male	all maturity st	old shell	28.8106776	0 39.8351205
	1976	male	all maturity st	new shell	64.3127862	0 21.6276508
	1976	male	all maturity st	old shell	22.1031869	0 54.1588407
	1977	male	all maturity st	new shell	49.5224215	0 27.0124136
	1977	male	all maturity st	old shell	72.1633718	0 22.749562
	1978	male	all maturity st	new shell	126.844281	0 14.3042793
	1978	male	all maturity st	old shell	38.7408412	0 45.5842556
	1979	male	all maturity st	new shell	93.1179343	0 9.86642036
	1979	male	all maturity st	old shell	20.9039194	0 86.1359438
	1980	male	all maturity st	new shell	49.9893945	0 17.7880799
	1980	male	all maturity st	old shell	20.2158954	0 94.7873782
	1981	male	all maturity st	new shell	64.8662478	0 16.9896744
	1981	male	all maturity st	old shell	18.7798565	0 68.6058549
	1982	male	all maturity st	new shell	53.5691851	0 21.3701908
	1982	male	all maturity st	old shell	303.076609	0 5.79221126
	1983	male	all maturity st	new shell	67.213886	0 15.0352713
	1983	male	all maturity st	old shell	94.3971793	0 14.3486125
	1984	male	all maturity st	new shell	136.392294	0 4.4970257
	1984	male	all maturity st	old shell	66.1158086	0 17.5169769
	1985	male	all maturity st	new shell	101.329405	0 14.3799618
	1985	male	all maturity st	old shell	54.7150824	0 24.7409396
	1986	male	all maturity st	new shell	105.21794	0 11.4655415
	1986	male	all maturity st	old shell	86.229908	0 15.4766227
	1987	male	all maturity st	new shell	79.3708034	0 10.4503012
	1987	male	all maturity st	old shell	120.323902	0 15.1429944
	1988	male	all maturity st	new shell	174.043988	0 6.08949819
	1988	male	all maturity st	old shell	158.923454	0 11.9865755
	1989	male	all maturity st	new shell	111.404208	0 9.3929576
	1989	male	all maturity st	old shell	387.451719	0 7.2639779
	1990	male	all maturity st	new shell	366.306149	0 3.88368751
	1990	male	all maturity st	old shell	236.533044	0 7.65449223
	1991	male	all maturity st	new shell	223.552582	0 5.13317583

1991	male	all maturity st	old shell	243.775808	0 7.9585012
1992	male	all maturity st	new shell	185.793223	0 7.0517428
1992	male	all maturity st	old shell	89.1582259	0 13.7724277
1993	male	all maturity st	new shell	218.131537	0 5.68137984
1993	male	all maturity st	old shell	124.66746	0 9.26434732
1994	male	all maturity st	new shell	203.582714	0 5.43189132
1994	male	all maturity st	old shell	86.085901	0 14.3146249
1995	male	all maturity st	new shell	88.5580888	0 10.3834218
1995	male	all maturity st	old shell	71.7571317	0 19.5851071
1996	male	all maturity st	new shell	132.886334	0 9.97864351
1996	male	all maturity st	old shell	62.6992623	0 18.8384776
1997	male	all maturity st	new shell	157.86099	0 6.4428679
1997	male	all maturity st	old shell	166.056938	0 13.7713276
1998	male	all maturity st	new shell	172.284419	0 4.93682487
1998	male	all maturity st	old shell	331.159637	0 6.73963172
1999	male	all maturity st	new shell	71.925896	0 12.1470719
1999	male	all maturity st	old shell	120.547352	0 10.4184242
2000	male	all maturity st	new shell	107.148947	0 6.46622601
2000	male	all maturity st	old shell	122.52964	0 12.6300715
2001	male	all maturity st	new shell	152.893977	0 6.98915171
2001	male	all maturity st	old shell	143.931244	0 13.05736
2002	male	all maturity st	new shell	64.108448	0 12.2841671
2002	male	all maturity st	old shell	297.302793	0 8.73205713
2003	male	all maturity st	new shell	151.816981	0 6.42288965
2003	male	all maturity st	old shell	178.469	0 11.7636227
2004	male	all maturity st	new shell	92.7862698	0 9.26236503
2004	male	all maturity st	old shell	75.2853553	0 24.5644608
2005	male	all maturity st	new shell	155.918265	0 7.12299411
2005	male	all maturity st	old shell	313.552805	0 8.29338061
2006	male	all maturity st	new shell	166.05049	0 7.95419446
2006	male	all maturity st	old shell	225.799243	0 11.2858168
2007	male	all maturity st	new shell	243.359886	0 6.15496392
2007	male	all maturity st	old shell	268.622905	0 11.3783172
2008	male	all maturity st	new shell	361.331405	0 3.80737834
2008	male	all maturity st	old shell	155.840085	0 12.2673914
2009	male	all maturity st	new shell	38.8819159	0 15.8411491
2009	male	all maturity st	old shell	150.995179	0 9.10088304
2010	male	all maturity st	new shell	65.383154	0 16.0671341
2010	male	all maturity st	old shell	236.819364	0 7.24552713
2011	male	all maturity st	new shell	176.536818	0 4.17181919
2011	male	all maturity st	old shell	165.571307	0 10.6674482

	2012	male	all maturity st	new shell	248.615916	0	3.28760728
	2012	male	all maturity st	old shell	126.812254	0	10.9465042
	2013	male	all maturity st	new shell	160.65659	0	6.97748458
	2013	male	all maturity st	old shell	210.277626	0	10.9332715
	2014	male	all maturity st	new shell	253.098684	0	5.39474876
	2014	male	all maturity st	old shell	109.764603	0	11.9916655
	2015	male	all maturity st	new shell	504.459475	0	4.1050554
	2015	male	all maturity st	old shell	144.937137	0	10.058482
	2016	male	all maturity st	new shell	178.607825	0	8.31897455
	2016	male	all maturity st	old shell	94.8386965	0	13.546258
	2017	male	all maturity st	new shell	28.1394944	0	14.6256044
	2017	male	all maturity st	old shell	89.4800579	0	13.3757155
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.14362366	0	212.470949
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.82218993	0	171.242254
all		female	mature	old shell	3.19512472	0	219.489673
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.03707575	0	198.312326
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.78874632	0	167.207779
all		female	mature	old shell	2.86622979	0	176.628374
	1975	female	immature	new shell	13.5769401	0	32.3573103
	1975	female	mature	new shell	75.059149	0	4.14827966
	1975	female	mature	old shell	10.06259	0	25.5452283
	1976	female	immature	new shell	35.6036144	0	9.04211118
	1976	female	mature	new shell	60.2717349	0	5.7040188
	1976	female	mature	old shell	10.9843517	0	26.1758005
	1977	female	immature	new shell	23.0560652	0	12.867915
	1977	female	mature	new shell	48.9750078	0	8.42389668
	1977	female	mature	old shell	29.3420315	0	11.2755876
	1978	female	immature	new shell	27.492253	0	9.12422188
	1978	female	mature	new shell	131.748629	0	2.32022955
	1978	female	mature	old shell	39.4772048	0	7.63194482
	1979	female	immature	new shell	45.5279373	0	4.71215629

1979	female	mature	new shell	49.5967347	0	8.76334546
1979	female	mature	old shell	28.6152975	0	10.453322
1980	female	immature	new shell	111.084073	0	3.99432847
1980	female	mature	new shell	12.491507	0	16.4667738
1980	female	mature	old shell	24.1368443	0	11.2362666
1981	female	immature	new shell	45.0098672	0	10.003555
1981	female	mature	new shell	9.24862728	0	33.7316203
1981	female	mature	old shell	92.647046	0	5.0741243
1982	female	immature	new shell	41.6988624	0	16.2883755
1982	female	mature	new shell	9.39941578	0	23.4104432
1982	female	mature	old shell	33.5091943	0	7.86472273
1983	female	immature	new shell	48.7330175	0	6.56575231
1983	female	mature	new shell	47.5549525	0	9.26856807
1983	female	mature	old shell	134.904684	0	2.10290699
1984	female	immature	new shell	35.4599352	0	5.67938108
1984	female	mature	new shell	31.6931907	0	7.0809746
1984	female	mature	old shell	228.871016	0	2.13956618
1985	female	immature	new shell	165.514627	0	3.74491366
1985	female	mature	new shell	10.8122783	0	42.2667562
1985	female	mature	old shell	276.681994	0	2.65224618
1986	female	immature	new shell	75.7411312	0	5.62694417
1986	female	mature	new shell	6.21885494	0	39.326498
1986	female	mature	old shell	27.0382091	0	11.7431203
1987	female	immature	new shell	18.9156951	0	32.4472202
1987	female	mature	new shell	32.3056126	0	11.9960008
1987	female	mature	old shell	20.3057961	0	19.3267105
1988	female	immature	new shell	136.368173	0	4.97170275
1988	female	mature	new shell	14.9055493	0	23.7448622
1988	female	mature	old shell	31.5341652	0	11.13708
1989	female	immature	new shell	41.3918006	0	6.35307928
1989	female	mature	new shell	24.0109439	0	12.7138857
1989	female	mature	old shell	41.0769563	0	10.684442
1990	female	immature	new shell	66.0658325	0	5.58897697
1990	female	mature	new shell	222.143349	0	1.57380274
1990	female	mature	old shell	35.4594363	0	10.510083
1991	female	immature	new shell	24.7487413	0	12.0148023
1991	female	mature	new shell	114.679826	0	2.33331379
1991	female	mature	old shell	126.890934	0	3.33711906
1992	female	immature	new shell	29.382153	0	13.5776567
1992	female	mature	new shell	102.981109	0	4.23162941
1992	female	mature	old shell	118.610091	0	2.96383032

1993	female	immature	new shell	48.614419	0	8.99168119
1993	female	mature	new shell	43.743459	0	5.92591078
1993	female	mature	old shell	162.586836	0	2.24159996
1994	female	immature	new shell	28.5253879	0	10.9196135
1994	female	mature	new shell	37.7599203	0	10.3307154
1994	female	mature	old shell	179.739538	0	2.25352798
1995	female	immature	new shell	71.504769	0	7.22029896
1995	female	mature	new shell	25.7088732	0	14.538695
1995	female	mature	old shell	402.137286	0	0.95512221
1996	female	immature	new shell	66.3490563	0	7.74086771
1996	female	mature	new shell	20.6392439	0	13.5001659
1996	female	mature	old shell	181.434387	0	1.86236364
1997	female	immature	new shell	58.721743	0	3.76959818
1997	female	mature	new shell	68.4507629	0	4.12437339
1997	female	mature	old shell	156.579535	0	2.64573669
1998	female	immature	new shell	355.211884	0	1.35881906
1998	female	mature	new shell	41.2089672	0	7.85663294
1998	female	mature	old shell	167.196691	0	3.01167025
1999	female	immature	new shell	59.574889	0	6.06153715
1999	female	mature	new shell	13.0949801	0	17.997142
1999	female	mature	old shell	117.144794	0	2.42571853
2000	female	immature	new shell	100.084554	0	2.37503065
2000	female	mature	new shell	24.2896896	0	10.9133615
2000	female	mature	old shell	25.3054936	0	12.9572724
2001	female	immature	new shell	179.986386	0	1.93307479
2001	female	mature	new shell	128.93056	0	4.62772362
2001	female	mature	old shell	39.3581908	0	6.3727039
2002	female	immature	new shell	53.824311	0	5.19610274
2002	female	mature	new shell	49.3280572	0	7.08202356
2002	female	mature	old shell	61.8157405	0	3.58827075
2003	female	immature	new shell	78.8196119	0	4.04298341
2003	female	mature	new shell	201.905017	0	1.78786243
2003	female	mature	old shell	57.9089086	0	7.97139778
2004	female	immature	new shell	56.3593068	0	6.68879685
2004	female	mature	new shell	141.614619	0	1.5357899
2004	female	mature	old shell	43.4969248	0	9.62480463
2005	female	immature	new shell	342.23096	0	1.8417546
2005	female	mature	new shell	110.506774	0	3.54534879
2005	female	mature	old shell	365.952328	0	2.32485555
2006	female	immature	new shell	50.9058673	0	7.40932556
2006	female	mature	new shell	153.169057	0	2.35247725

	2006	female	mature	old shell	197.106016	0	2.54633554
	2007	female	immature	new shell	113.662043	0	3.64130919
	2007	female	mature	new shell	41.5282744	0	8.12979513
	2007	female	mature	old shell	545.626621	0	0.71840164
	2008	female	immature	new shell	85.959568	0	4.76407415
	2008	female	mature	new shell	130.457251	0	3.93501203
	2008	female	mature	old shell	404.785892	0	0.83341268
	2009	female	immature	new shell	23.0624038	0	10.0427861
	2009	female	mature	new shell	34.8606042	0	5.86532044
	2009	female	mature	old shell	539.248228	0	0.75494913
	2010	female	immature	new shell	77.2046013	0	4.89376414
	2010	female	mature	new shell	160.0558	0	2.20026969
	2010	female	mature	old shell	585.972965	0	0.6927934
	2011	female	immature	new shell	60.6548518	0	6.6418958
	2011	female	mature	new shell	24.7188242	0	8.98949727
	2011	female	mature	old shell	143.315221	0	2.73305687
	2012	female	immature	new shell	61.9241171	0	6.63053002
	2012	female	mature	new shell	28.0530139	0	7.94600058
	2012	female	mature	old shell	187.742392	0	1.72853529
	2013	female	immature	new shell	103.727778	0	4.4219479
	2013	female	mature	new shell	415.682315	0	1.25380319
	2013	female	mature	old shell	47.77505	0	6.15199933
	2014	female	immature	new shell	19.281322	0	20.55306
	2014	female	mature	new shell	73.720491	0	2.90553819
	2014	female	mature	old shell	57.6232764	0	5.60986399
	2015	female	immature	new shell	72.9929859	0	6.22463223
	2015	female	mature	new shell	21.2762003	0	10.8728153
	2015	female	mature	old shell	232.667587	0	1.63260739
	2016	female	immature	new shell	45.2571911	0	9.57792139
	2016	female	mature	new shell	81.7922496	0	6.91435651
	2016	female	mature	old shell	85.8174581	0	3.08724477
	2017	female	immature	new shell	15.6316582	0	12.4978652
	2017	female	mature	new shell	31.7388556	0	16.1558585
	2017	female	mature	old shell	138.708487	0	1.57993909
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.23448447	20	1.04467635
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	18.740725	1	19.3123396
	1981	male	all maturity st	all shell condi	2371.10629	1	0.24855206
	1982	male	all maturity st	all shell condi	397.362211	1	2.33688783

	1983	male	all maturity st	all shell condi	34.9375362	1	1.87508408
	1984	male	all maturity st	all shell condi	259.483334	1	0.80957252
	1988	male	all maturity st	all shell condi	114.857442	1	5.51456193
	1989	male	all maturity st	all shell condi	975.406488	1	0.54445138
	1990	male	all maturity st	all shell condi	218.310701	1	3.72815353
	1991	male	all maturity st	all shell condi	204.531077	1	4.23209183
	1992	male	all maturity st	all shell condi	80.257107	1	13.0929734
	1993	male	all maturity st	all shell condi	155.701926	1	7.08732132
	1994	male	all maturity st	all shell condi	132.959707	1	11.9332339
	1995	male	all maturity st	all shell condi	82.4722713	1	0.60155458
	1996	male	all maturity st	all shell condi	115.058849	1	1.63280895
	2005	male	all maturity st	all shell condi	15.4483675	1	1.38530973
	2006	male	all maturity st	all shell condi	163.551002	1	0.76246947
	2007	male	all maturity st	all shell condi	786.406094	1	0.95190625
	2008	male	all maturity st	all shell condi	423.725791	1	0.71128264
	2009	male	all maturity st	all shell condi	91.2090242	1	0.87298055
	2013	male	all maturity st	all shell condi	463.67911	1	0.49429991
	2014	male	all maturity st	all shell condi	393.325965	1	2.09629718
	2015	male	all maturity st	all shell condi	313.048837	1	4.76240252
all		male	all maturity st	all shell condi	0.2039692	20	0.27042233
all		female	all maturity st	all shell condi	0.49550443	20	1.59591017
	1991	male	all maturity st	all shell condi	837.246723	1	1.80597117
	1991	female	all maturity st	all shell condi	642.239147	1	1.17375641
	1992	male	all maturity st	all shell condi	128.510892	1	19.2619335
	1992	female	all maturity st	all shell condi	390.384585	1	0.61308047
	1993	male	all maturity st	all shell condi	151.492714	1	13.590069
	1993	female	all maturity st	all shell condi	352.945318	1	0.97820947
	1994	male	all maturity st	all shell condi	141.323344	1	3.20694206
	1994	female	all maturity st	all shell condi	61.0968092	1	1.28641893
	1995	male	all maturity st	all shell condi	753.386196	1	0.55855072
	1995	female	all maturity st	all shell condi	92.903156	1	0.9314279
	1996	male	all maturity st	all shell condi	37.5985943	1	1.20455157
	1996	female	all maturity st	all shell condi	261.618291	1	0.05518234
	2005	male	all maturity st	all shell condi	124.108571	1	12.8897734
	2005	female	all maturity st	all shell condi	41.3515215	1	0.92529864
	2006	male	all maturity st	all shell condi	321.445373	1	4.4600862
	2006	female	all maturity st	all shell condi	444.456615	1	0.75646184
	2007	male	all maturity st	all shell condi	678.361839	1	4.15948502
	2007	female	all maturity st	all shell condi	320.627052	1	0.39006694
	2008	male	all maturity st	all shell condi	623.602879	1	4.26385385
	2008	female	all maturity st	all shell condi	46.8009103	1	0.31676064

	2009	male	all maturity st	all shell condi	205.667342	1	5.82901519
	2009	female	all maturity st	all shell condi	23.0742987	1	0.18947013
	2013	male	all maturity st	all shell condi	2622.34172	1	1.22301342
	2013	female	all maturity st	all shell condi	64.2042608	1	0.60119879
	2014	male	all maturity st	all shell condi	372.929533	1	7.81192173
	2014	female	all maturity st	all shell condi	174.044558	1	0.20730136
	2015	male	all maturity st	all shell condi	213.893367	1	9.85006366
	2015	female	all maturity st	all shell condi	77.2615434	1	1.01690418
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.03943618	20	0.01944015
all		female	all maturity st	all shell condi	0.3098747	20	1.20027911
	1992	male	all maturity st	all shell condi	167.92655	1	2.53114255
	1992	female	all maturity st	all shell condi	20.5487121	1	0.86293748
	1993	male	all maturity st	all shell condi	292.251629	1	0.87136195
	1993	female	all maturity st	all shell condi	33.2086534	1	1.11383836
	1994	male	all maturity st	all shell condi	183.808277	1	0.58984197
	1994	female	all maturity st	all shell condi	38.3064058	1	1.9707112
	1995	male	all maturity st	all shell condi	253.395065	1	0.27738911
	1995	female	all maturity st	all shell condi	46.0950089	1	0.26359776
	1996	male	all maturity st	all shell condi	58.8649398	1	3.63014864
	1996	female	all maturity st	all shell condi	54.8970631	1	0.35018724
	1997	male	all maturity st	all shell condi	414.299103	1	1.02542482
	1997	female	all maturity st	all shell condi	116.501626	1	0.18601982
	1998	male	all maturity st	all shell condi	519.72609	1	0.26743999
	1998	female	all maturity st	all shell condi	21.4086291	1	0.30877784
	1999	male	all maturity st	all shell condi	150.409278	1	0.33672329
	1999	female	all maturity st	all shell condi	30.2612643	1	0.06955964
	2000	male	all maturity st	all shell condi	188.325829	1	0.34434673
	2000	female	all maturity st	all shell condi	30.6872168	1	0.09824651
	2001	male	all maturity st	all shell condi	318.071365	1	0.41199313
	2001	female	all maturity st	all shell condi	115.123496	1	0.0637351
	2002	male	all maturity st	all shell condi	58.5659041	1	0.80406699
	2002	female	all maturity st	all shell condi	45.8896971	1	0.06244872
	2003	male	all maturity st	all shell condi	114.055587	1	0.38422511
	2003	female	all maturity st	all shell condi	44.5764023	1	0.09805027
	2004	male	all maturity st	all shell condi	22.9914487	1	1.86409914
	2004	female	all maturity st	all shell condi	31.4451117	1	0.79452394
	2005	male	all maturity st	all shell condi	112.641627	1	4.76433129
	2005	female	all maturity st	all shell condi	154.191814	1	0.11552057
	2006	male	all maturity st	all shell condi	72.709392	1	6.18620381

	2006	female	all maturity st	all shell condi	49.9706869	1	1.01656754
	2007	male	all maturity st	all shell condi	326.005491	1	2.38985959
	2007	female	all maturity st	all shell condi	44.568249	1	0.39913028
	2008	male	all maturity st	all shell condi	92.3368002	1	6.91370331
	2008	female	all maturity st	all shell condi	15.5189566	1	2.11548412
	2009	male	all maturity st	all shell condi	476.654525	1	1.96836952
	2009	female	all maturity st	all shell condi	22.7997952	1	0.85109055
	2010	male	all maturity st	all shell condi	338.061938	1	1.39995781
	2010	female	all maturity st	all shell condi	87.5403861	1	0.15422489
	2011	male	all maturity st	all shell condi	199.643429	1	3.2859081
	2011	female	all maturity st	all shell condi	67.9013712	1	0.14577986
	2012	male	all maturity st	all shell condi	219.967693	1	2.64609479
	2012	female	all maturity st	all shell condi	48.9264419	1	0.16395639
	2013	male	all maturity st	all shell condi	272.65588	1	2.51262199
	2013	female	all maturity st	all shell condi	183.304328	1	0.07662722
	2014	male	all maturity st	all shell condi	421.803095	1	3.10793274
	2014	female	all maturity st	all shell condi	74.5487283	1	0.34034963
	2015	male	all maturity st	all shell condi	516.133298	1	1.99148554
	2015	female	all maturity st	all shell condi	93.2516442	1	0.10146657
	2016	male	all maturity st	all shell condi	399.388253	1	2.67617993
	2016	female	all maturity st	all shell condi	102.454986	1	0.09629882
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.02524908	20	0.01402535
	1973	male	all maturity st	all shell condi	92.9977249	1	-1.3382421
	1973	female	all maturity st	all shell condi	168.08102	1	6.31540057
	1974	male	all maturity st	all shell condi	275.652119	1	-1.2081321
	1974	female	all maturity st	all shell condi	190.75664	1	3.63622838
	1975	male	all maturity st	all shell condi	214.7672	1	-0.4810177
	1975	female	all maturity st	all shell condi	183.683644	1	1.93813062
	1976	male	all maturity st	all shell condi	121.938464	1	-5.1663074
	1976	female	all maturity st	all shell condi	102.357753	1	20.8147871
	1977	male	all maturity st	all shell condi	190.49793	1	-1.0040056
	1977	female	all maturity st	all shell condi	361.620539	1	14.1974861
	1978	male	all maturity st	all shell condi	228.109911	1	-5.2849513
	1978	female	all maturity st	all shell condi	146.55322	1	25.2987899
	1979	male	all maturity st	all shell condi	590.721929	1	-5.5174311
	1979	female	all maturity st	all shell condi	614.003285	1	12.715607
	1980	male	all maturity st	all shell condi	495.810653	1	5.73520068
	1980	female	all maturity st	all shell condi	861.394545	1	0.40659438
	1981	male	all maturity st	all shell condi	648.835413	1	-3.129728
	1981	female	all maturity st	all shell condi	61.0651444	1	11.9678597

1982	male	all maturity st	all shell condi	595.319873	1	6.07943891
1982	female	all maturity st	all shell condi	68.6893393	1	15.0039321
1983	male	all maturity st	all shell condi	291.849419	1	32.7993081
1983	female	all maturity st	all shell condi	142.474539	1	-10.081235
1984	male	all maturity st	all shell condi	425.5666	1	37.8246482
1984	female	all maturity st	all shell condi	245.870624	1	-18.270445
1985	male	all maturity st	all shell condi	204.386805	1	23.6475631
1985	female	all maturity st	all shell condi	282.018838	1	-6.3346227
1986	male	all maturity st	all shell condi	591.607453	1	8.44595389
1986	female	all maturity st	all shell condi	242.396658	1	-0.2044396
1987	male	all maturity st	all shell condi	250.882815	1	13.4860532
1987	female	all maturity st	all shell condi	589.165344	1	6.52818199
1988	male	all maturity st	all shell condi	318.708438	1	2.30884263
1988	female	all maturity st	all shell condi	220.112912	1	10.2661777
1989	male	all maturity st	all shell condi	518.964728	1	-7.8744395
1989	female	all maturity st	all shell condi	404.145057	1	22.7507457
1990	male	all maturity st	all shell condi	605.492553	1	14.8824945
1990	female	all maturity st	all shell condi	226.523138	1	-3.4721556
1991	male	all maturity st	all shell condi	289.391849	1	1.03382242
1991	female	all maturity st	all shell condi	188.152872	1	6.51499343
1992	male	all maturity st	all shell condi	219.484406	1	4.30257097
1992	female	all maturity st	all shell condi	63.7232809	1	2.69270287
1993	male	all maturity st	all shell condi	73.7970642	1	3.85256608
1993	female	all maturity st	all shell condi	84.5506897	1	-0.4891355
1994	male	all maturity st	all shell condi	195.861786	1	3.47665725
1994	female	all maturity st	all shell condi	412.680749	1	0.91996893
1995	male	all maturity st	all shell condi	67.3658556	1	9.31760041
1995	female	all maturity st	all shell condi	62.8079568	1	4.23470933
1996	male	all maturity st	all shell condi	170.561681	1	12.4298189
1996	female	all maturity st	all shell condi	516.976025	1	-3.9634437
1997	male	all maturity st	all shell condi	46.5733003	1	23.7852771
1997	female	all maturity st	all shell condi	171.883317	1	5.49408493
1998	male	all maturity st	all shell condi	110.662878	1	9.64859226
1998	female	all maturity st	all shell condi	289.974052	1	6.92766892
1999	male	all maturity st	all shell condi	377.925128	1	5.08111236
1999	female	all maturity st	all shell condi	1044.92587	1	1.88299084
2000	male	all maturity st	all shell condi	365.480758	1	6.41788785
2000	female	all maturity st	all shell condi	767.558073	1	-0.3108456
2001	male	all maturity st	all shell condi	442.959682	1	10.5931426
2001	female	all maturity st	all shell condi	1181.75474	1	-3.7135446
2002	male	all maturity st	all shell condi	367.765275	1	11.1622279

	2002	female	all maturity st	all shell condi	913.283187	1	-0.2343052
	2003	male	all maturity st	all shell condi	185.362006	1	4.32027232
	2003	female	all maturity st	all shell condi	323.331564	1	4.86025224
	2004	male	all maturity st	all shell condi	108.522196	1	-2.4575689
	2004	female	all maturity st	all shell condi	30.8841284	1	40.2812344
	2005	male	all maturity st	all shell condi	1290.3054	1	3.70437793
	2005	female	all maturity st	all shell condi	1930.83352	1	0.82537336
	2006	male	all maturity st	all shell condi	226.44994	1	11.1159669
	2006	female	all maturity st	all shell condi	148.718742	1	3.45699618
	2007	male	all maturity st	all shell condi	176.679496	1	9.83351209
	2007	female	all maturity st	all shell condi	87.5198721	1	10.3594175
	2008	male	all maturity st	all shell condi	163.321667	1	25.6456939
	2008	female	all maturity st	all shell condi	170.729566	1	-8.0045419
	2009	male	all maturity st	all shell condi	352.405857	1	12.2191594
	2009	female	all maturity st	all shell condi	536.400459	1	-6.4705362
	2010	male	all maturity st	all shell condi	596.694854	1	4.96411496
	2010	female	all maturity st	all shell condi	1553.03576	1	-1.8344237
	2011	male	all maturity st	all shell condi	72.9657181	1	12.9914734
	2011	female	all maturity st	all shell condi	63.8972506	1	22.566218
	2012	male	all maturity st	all shell condi	369.220548	1	-7.6772501
	2012	female	all maturity st	all shell condi	123.477639	1	13.9421367
	2013	male	all maturity st	all shell condi	240.308449	1	1.36322344
	2013	female	all maturity st	all shell condi	515.497388	1	11.6555451
	2014	male	all maturity st	all shell condi	929.390758	1	9.25566084
	2014	female	all maturity st	all shell condi	797.856128	1	-5.2328064
	2015	male	all maturity st	all shell condi	211.74429	1	13.8905967
	2015	female	all maturity st	all shell condi	209.215811	1	4.705674
	2016	male	all maturity st	all shell condi	211.29018	1	-5.7675231
	2016	female	all maturity st	all shell condi	52.2579931	1	26.3421126
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.0231438	20	0.00615981
all		female	all maturity st	all shell condi	0.0079835	20	0.00073297
	1992	male	all maturity st	all shell condi	70.0771567	1	1.8442223
	1992	female	all maturity st	all shell condi	84.2575119	1	0.12632893
	1993	male	all maturity st	all shell condi	105.91025	1	2.9878861
	1993	female	all maturity st	all shell condi	296.408519	1	0.28750547
	1996	male	all maturity st	all shell condi	81.8546901	1	0.09924064
	1996	female	all maturity st	all shell condi	3.46666897	1	0.03182788
	1997	male	all maturity st	all shell condi	15.750189	1	3.11697406
	1997	female	all maturity st	all shell condi	34.4125234	1	0.04739538

1998	male	all maturity st	all shell condi	41.254139	1	0.50544961
1998	female	all maturity st	all shell condi	21.715072	1	0.07126982
1999	male	all maturity st	all shell condi	53.2541001	1	0.26192871
1999	female	all maturity st	all shell condi	18.8153129	1	0.02451215
2000	male	all maturity st	all shell condi	163.470895	1	0.62017704
2000	female	all maturity st	all shell condi	41.6347533	1	0.05663649
2001	male	all maturity st	all shell condi	131.87335	1	0.26566515
2001	female	all maturity st	all shell condi	48.3712644	1	0.04233761
2002	male	all maturity st	all shell condi	104.533959	1	0.44976421
2002	female	all maturity st	all shell condi	31.7437769	1	0.05614571
2003	male	all maturity st	all shell condi	73.4314005	1	0.54756318
2003	female	all maturity st	all shell condi	49.5920966	1	0.09258105
2004	male	all maturity st	all shell condi	36.9904319	1	0.73150347
2004	female	all maturity st	all shell condi	19.3951208	1	0.06219779
2005	male	all maturity st	all shell condi	53.910897	1	1.37950168
2005	female	all maturity st	all shell condi	12.9182585	1	0.16897169
2006	male	all maturity st	all shell condi	25.9594107	1	1.82168237
2006	female	all maturity st	all shell condi	24.3958274	1	0.26381784
2007	male	all maturity st	all shell condi	109.504914	1	0.9877641
2007	female	all maturity st	all shell condi	109.031088	1	0.08542752
2008	male	all maturity st	all shell condi	52.7226027	1	3.45281086
2008	female	all maturity st	all shell condi	98.0623318	1	0.12442615
2009	male	all maturity st	all shell condi	20.7274562	1	7.47221833
2009	female	all maturity st	all shell condi	103.03182	1	0.0516457
2010	male	all maturity st	all shell condi	57.3433829	1	0.742311
2010	female	all maturity st	all shell condi	36.6297826	1	0.04344102
2011	male	all maturity st	all shell condi	84.9266582	1	0.28111727
2011	female	all maturity st	all shell condi	5.98007329	1	0.01919535
2012	male	all maturity st	all shell condi	79.3480402	1	0.57404535
2012	female	all maturity st	all shell condi	6.98041267	1	0.20482158
2013	male	all maturity st	all shell condi	64.2147477	1	1.74403822
2013	female	all maturity st	all shell condi	9.70381818	1	0.17686795
2014	male	all maturity st	all shell condi	137.264502	1	1.44249321
2014	female	all maturity st	all shell condi	19.0519175	1	0.07425945
2015	male	all maturity st	all shell condi	292.032098	1	0.57918694
2015	female	all maturity st	all shell condi	83.7439491	1	0.07425681
2016	male	all maturity st	all shell condi	27.5486292	1	6.32508078
2016	female	all maturity st	all shell condi	19.8050222	1	0.51564074
2015	male	immature	new shell	0.43203013	1	81.9758986
2016	male	immature	new shell	0.43203013	1	95.4110342
2015	female	immature	new shell	0.27743413	1	69.1142389

2016	female	immature	new shell	0.27743413	1	58.5217728
1994	male	immature	new shell	0.45396692	0	11.3610099
1995	male	immature	new shell	0.45396692	0	26.4638719
1996	male	immature	new shell	0.45396692	0	311.210922
1997	male	immature	new shell	0.45396692	0	409.123843
1998	male	immature	new shell	0.45396692	0	426.615111
1999	male	immature	new shell	0.45396692	0	393.557239
2000	male	immature	new shell	0.45396692	0	636.124719
2001	male	immature	new shell	0.45396692	0	735.999169
2002	male	immature	new shell	0.45396692	0	676.281868
2003	male	immature	new shell	0.45396692	0	234.364378
2004	male	immature	new shell	0.45396692	0	152.189006
2005	male	immature	new shell	0.45396692	0	79.766313
2006	male	immature	new shell	0.45396692	0	9.60260623
2011	male	immature	new shell	0.45396692	0	1.91090535
2012	male	immature	new shell	0.45396692	0	2.56209815
1994	female	immature	new shell	0.45236268	0	14.5923506
1995	female	immature	new shell	0.45236268	0	14.0769465
1996	female	immature	new shell	0.45236268	0	210.06387
1997	female	immature	new shell	0.45236268	0	163.92546
1998	female	immature	new shell	0.45236268	0	224.785148
1999	female	immature	new shell	0.45236268	0	286.079923
2000	female	immature	new shell	0.45236268	0	541.69239
2001	female	immature	new shell	0.45236268	0	532.049084
2002	female	immature	new shell	0.45236268	0	340.489127
2003	female	immature	new shell	0.45236268	0	89.2151995
2004	female	immature	new shell	0.45236268	0	95.7717282
2005	female	immature	new shell	0.45236268	0	24.8922364
2006	female	immature	new shell	0.45236268	0	8.09256745
2012	female	immature	new shell	0.45236268	0	2.37741221
1990	male		new shell	2.84595665	1	56.0536945
1991	male		new shell	2.84595665	1	57.7135534
1992	male		new shell	2.84595665	1	18.0256989
1993	male		new shell	2.84595665	1	26.9945087
1994	male		new shell	2.84595665	1	20.9230043
1995	male		new shell	2.84595665	1	13.8226138
1997	male		new shell	2.84595665	1	10.1128689
1998	male		new shell	2.84595665	1	24.7057114
1999	male		new shell	2.84595665	1	12.17406
2000	male		new shell	2.84595665	1	21.3118128
2001	male		new shell	2.84595665	1	25.4089574

	2002	male		new shell	2.84595665	1	18.8810662
	2003	male		new shell	2.84595665	1	11.8522715
	2004	male		new shell	2.84595665	1	17.3572757
	2005	male		new shell	2.84595665	1	64.4543155
	2008	male		new shell	2.84595665	1	48.4589802
	2010	male		new shell	2.84595665	1	62.3794065
	2012	male		new shell	2.84595665	1	15.3301601
	2014	male		new shell	2.84595665	1	20.6041639
	2016	male		new shell	2.84595665	1	38.1230681
	2017	male		new shell	2.84595665	1	15.9331517
all		male	immature	new shell	0.09975135	1	2394.42346
all		male	mature	new shell	0.09975135	1	2394.42346
all		male	immature	old shell	0.09975135	1	2394.42346
all		male	mature	old shell	0.09975135	1	2394.42346
all		female	immature	new shell	0.09975135	1	2394.42346
all		female	mature	new shell	0.09975135	1	2394.42346
all		female	immature	old shell	0.09975135	1	2394.42346
all		female	mature	old shell	0.09975135	1	2394.42346
all		male	immature	new shell	0.09975135	1	28752.2795
all		male	mature	new shell	0.09975135	1	28752.2795
all		male	immature	old shell	0.09975135	1	28752.2795
all		male	mature	old shell	0.09975135	1	28752.2795
all		female	immature	new shell	0.09975135	1	28752.2795
all		female	mature	new shell	0.09975135	1	28752.2795
all		female	immature	old shell	0.09975135	1	28752.2795
all		female	mature	old shell	0.09975135	1	28752.2795
all		male	immature	all shell condi	3.51059357	0	264.971745
all		male	mature	all shell condi	2.6195071	0	147.529075
all		female	immature	all shell condi	3.14743819	0	212.986893
all		female	mature	all shell condi	2.69335525	0	155.964494
all		male	mature	all shell condi	2.33412427	1	117.134927
all		female	mature	all shell condi	2.4044457	1	124.299222
	1975	male	immature	all shell condi	290.0734	1	19.9970855
	1975	male	mature	all shell condi	70.2768333	1	48.6659003
	1975	female	immature	all shell condi	144.145829	1	7.73365948
	1975	female	mature	all shell condi	61.7484309	1	-13.357792
	1976	male	immature	all shell condi	201.030973	1	19.9679967
	1976	male	mature	all shell condi	167.129578	1	9.48761538
	1976	female	immature	all shell condi	159.866643	1	11.7841732
	1976	female	mature	all shell condi	95.4454867	1	-5.0653311
	1977	male	immature	all shell condi	312.59494	1	1.55780659

1977	male	mature	all shell condi	189.753328	1	1.66064971
1977	female	immature	all shell condi	51.372327	1	33.6479425
1977	female	mature	all shell condi	181.052127	1	-0.505068
1978	male	immature	all shell condi	238.157718	1	-1.4759276
1978	male	mature	all shell condi	188.559617	1	13.6308838
1978	female	immature	all shell condi	82.4400758	1	15.4037887
1978	female	mature	all shell condi	282.995933	1	1.80338101
1979	male	immature	all shell condi	283.594713	1	8.10291069
1979	male	mature	all shell condi	255.551966	1	-2.045975
1979	female	immature	all shell condi	308.15062	1	-6.9497394
1979	female	mature	all shell condi	120.381949	1	20.6973738
1980	male	immature	all shell condi	124.288935	1	24.5396328
1980	male	mature	all shell condi	195.554304	1	-10.26801
1980	female	immature	all shell condi	925.961142	1	-2.3044464
1980	female	mature	all shell condi	85.5289787	1	11.5584633
1981	male	immature	all shell condi	325.650837	1	11.3938426
1981	male	mature	all shell condi	801.112881	1	-10.008611
1981	female	immature	all shell condi	138.863275	1	-6.5845595
1981	female	mature	all shell condi	41.929615	1	41.3620684
1982	male	immature	all shell condi	197.654739	1	-9.3628698
1982	male	mature	all shell condi	353.11021	1	-12.724007
1982	female	immature	all shell condi	121.399218	1	-7.5259111
1982	female	mature	all shell condi	8.63223533	1	119.086695
1983	male	immature	all shell condi	223.514919	1	3.5691743
1983	male	mature	all shell condi	819.92755	1	-2.6571851
1983	female	immature	all shell condi	212.790366	1	5.97347899
1983	female	mature	all shell condi	190.107267	1	13.7141894
1984	male	immature	all shell condi	280.177386	1	-13.140995
1984	male	mature	all shell condi	225.783323	1	15.8644029
1984	female	immature	all shell condi	149.329163	1	-6.35621
1984	female	mature	all shell condi	102.080838	1	25.6935689
1985	male	immature	all shell condi	162.936245	1	-16.42867
1985	male	mature	all shell condi	74.8031407	1	35.7065532
1985	female	immature	all shell condi	111.291591	1	-18.263073
1985	female	mature	all shell condi	71.0163768	1	36.6214988
1986	male	immature	all shell condi	382.805335	1	8.29431034
1986	male	mature	all shell condi	120.576491	1	21.6019614
1986	female	immature	all shell condi	184.598085	1	-5.1490268
1986	female	mature	all shell condi	156.315252	1	-1.0421778
1987	male	immature	all shell condi	166.342083	1	9.36895804
1987	male	mature	all shell condi	1264.42806	1	1.68506414

1987	female	immature	all shell condi	48.8205035	1	53.3387746
1987	female	mature	all shell condi	126.637523	1	-6.3973927
1988	male	immature	all shell condi	598.720266	1	5.62053833
1988	male	mature	all shell condi	1173.89011	1	4.22204877
1988	female	immature	all shell condi	304.999226	1	-5.2085508
1988	female	mature	all shell condi	109.69912	1	14.3391792
1989	male	immature	all shell condi	192.048096	1	14.5780824
1989	male	mature	all shell condi	777.548591	1	-2.4483675
1989	female	immature	all shell condi	104.628173	1	17.444506
1989	female	mature	all shell condi	138.530989	1	-6.5734551
1990	male	immature	all shell condi	809.375329	1	5.13097229
1990	male	mature	all shell condi	502.907472	1	-8.7572692
1990	female	immature	all shell condi	282.497778	1	6.66547848
1990	female	mature	all shell condi	331.258155	1	10.7312642
1991	male	immature	all shell condi	362.627659	1	10.080031
1991	male	mature	all shell condi	615.462643	1	-10.562491
1991	female	immature	all shell condi	173.920046	1	5.4846536
1991	female	mature	all shell condi	660.210197	1	10.0090255
1992	male	immature	all shell condi	732.649241	1	12.0115832
1992	male	mature	all shell condi	288.693875	1	4.09993202
1992	female	immature	all shell condi	309.701712	1	1.8826721
1992	female	mature	all shell condi	1063.41487	1	-1.7909303
1993	male	immature	all shell condi	383.515158	1	17.9002919
1993	male	mature	all shell condi	272.66149	1	10.911096
1993	female	immature	all shell condi	512.029077	1	2.70843841
1993	female	mature	all shell condi	241.223531	1	-14.544009
1994	male	immature	all shell condi	304.903906	1	10.5064968
1994	male	mature	all shell condi	301.098945	1	4.99443839
1994	female	immature	all shell condi	84.1742017	1	18.1771839
1994	female	mature	all shell condi	305.883964	1	-11.872403
1995	male	immature	all shell condi	379.357366	1	-3.0394924
1995	male	mature	all shell condi	297.721717	1	3.82997224
1995	female	immature	all shell condi	425.311228	1	-2.1907702
1995	female	mature	all shell condi	191.208845	1	20.1274154
1996	male	immature	all shell condi	606.968769	1	-0.1916277
1996	male	mature	all shell condi	333.816257	1	5.50129166
1996	female	immature	all shell condi	339.51511	1	-0.9366365
1996	female	mature	all shell condi	340.459165	1	10.663241
1997	male	immature	all shell condi	490.423778	1	5.14313632
1997	male	mature	all shell condi	1323.7742	1	-5.0637035
1997	female	immature	all shell condi	105.352623	1	19.1560208

1997	female	mature	all shell condi	511.049112	1	-6.8635433
1998	male	immature	all shell condi	220.331069	1	14.6395723
1998	male	mature	all shell condi	2373.71011	1	-4.0325154
1998	female	immature	all shell condi	399.673525	1	14.578293
1998	female	mature	all shell condi	166.338412	1	-10.027599
1999	male	immature	all shell condi	157.041407	1	13.6369415
1999	male	mature	all shell condi	1336.01528	1	1.32587436
1999	female	immature	all shell condi	153.875485	1	8.74802178
1999	female	mature	all shell condi	403.484083	1	-3.9926698
2000	male	immature	all shell condi	176.915979	1	7.15481659
2000	male	mature	all shell condi	1010.95286	1	5.4578749
2000	female	immature	all shell condi	337.312314	1	1.1071401
2000	female	mature	all shell condi	267.398683	1	-0.5577118
2001	male	immature	all shell condi	306.290289	1	11.1609967
2001	male	mature	all shell condi	936.921292	1	-5.1490334
2001	female	immature	all shell condi	280.932553	1	13.5402593
2001	female	mature	all shell condi	345.928223	1	-4.927657
2002	male	immature	all shell condi	161.992632	1	8.92781952
2002	male	mature	all shell condi	1612.56815	1	-3.4305721
2002	female	immature	all shell condi	110.385693	1	17.1097676
2002	female	mature	all shell condi	901.147073	1	-3.9185279
2003	male	immature	all shell condi	324.757396	1	6.1907853
2003	male	mature	all shell condi	2669.73643	1	0.96793868
2003	female	immature	all shell condi	259.711963	1	-5.1318486
2003	female	mature	all shell condi	254.101871	1	10.4232654
2004	male	immature	all shell condi	227.818743	1	2.48027086
2004	male	mature	all shell condi	576.689057	1	9.97973993
2004	female	immature	all shell condi	148.259567	1	11.8121486
2004	female	mature	all shell condi	362.037398	1	-4.079241
2005	male	immature	all shell condi	390.953332	1	2.47934606
2005	male	mature	all shell condi	1565.46677	1	-5.327183
2005	female	immature	all shell condi	250.584442	1	18.6127704
2005	female	mature	all shell condi	1725.58526	1	-2.6360005
2006	male	immature	all shell condi	345.097254	1	12.3767478
2006	male	mature	all shell condi	1250.82526	1	-1.09549
2006	female	immature	all shell condi	198.737777	1	10.3139559
2006	female	mature	all shell condi	619.055689	1	-5.703687
2007	male	immature	all shell condi	177.691556	1	29.5309679
2007	male	mature	all shell condi	779.573991	1	1.15813613
2007	female	immature	all shell condi	703.137028	1	-0.5504272
2007	female	mature	all shell condi	175.419087	1	-10.575711

	2008	male	immature	all shell condi	431.016468	1	15.3833115
	2008	male	mature	all shell condi	1031.42473	1	0.89012188
	2008	female	immature	all shell condi	576.951165	1	1.96234595
	2008	female	mature	all shell condi	660.092832	1	-7.287067
	2009	male	immature	all shell condi	116.895401	1	5.58288613
	2009	male	mature	all shell condi	557.432931	1	7.60320333
	2009	female	immature	all shell condi	86.9171821	1	2.2072242
	2009	female	mature	all shell condi	1331.90485	1	3.95471323
	2010	male	immature	all shell condi	326.338869	1	1.09454418
	2010	male	mature	all shell condi	427.964714	1	12.0271084
	2010	female	immature	all shell condi	219.281619	1	-0.9939988
	2010	female	mature	all shell condi	5139.34826	1	-1.3442884
	2011	male	immature	all shell condi	427.266197	1	10.1668464
	2011	male	mature	all shell condi	2105.55857	1	-1.3756679
	2011	female	immature	all shell condi	199.715026	1	11.885693
	2011	female	mature	all shell condi	301.695552	1	-5.4825487
	2012	male	immature	all shell condi	308.603106	1	18.9123124
	2012	male	mature	all shell condi	1149.91389	1	-1.9117096
	2012	female	immature	all shell condi	220.261104	1	1.1068126
	2012	female	mature	all shell condi	511.085602	1	-2.2786703
	2013	male	immature	all shell condi	899.198323	1	11.4845277
	2013	male	mature	all shell condi	355.591485	1	4.0516005
	2013	female	immature	all shell condi	455.799688	1	-2.2143861
	2013	female	mature	all shell condi	1021.27692	1	-0.3845749
	2014	male	immature	all shell condi	370.10536	1	16.0905171
	2014	male	mature	all shell condi	498.642768	1	2.84354086
	2014	female	immature	all shell condi	106.395638	1	12.8865778
	2014	female	mature	all shell condi	386.006442	1	-7.6510785
	2015	male	immature	all shell condi	1004.06142	1	8.95586639
	2015	male	mature	all shell condi	562.283232	1	2.49034107
	2015	female	immature	all shell condi	538.703161	1	2.1941328
	2015	female	mature	all shell condi	610.571552	1	-0.800421
	2016	male	immature	all shell condi	493.578322	1	9.0154509
	2016	male	mature	all shell condi	185.002338	1	20.2896644
	2016	female	immature	all shell condi	368.067485	1	0.88882142
	2016	female	mature	all shell condi	367.063423	1	-8.0396324
	2017	male	immature	all shell condi	101.778036	1	-1.8816273
	2017	male	mature	all shell condi	157.175437	1	22.993292
	2017	female	immature	all shell condi	67.7360239	1	7.82807226
	2017	female	mature	all shell condi	876.230732	1	1.24239284
all		male	all maturity st	new shell	3.60762384	0	279.82142

all		male	all maturity st	old shell	5.30627484	0	605.365882
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	2.96191329	0	188.618002
all		male	all maturity st	old shell	4.13142054	0	366.975667
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
	1975	male	all maturity st	new shell	43.7859796	0	39.7737629
	1975	male	all maturity st	old shell	26.6830554	0	41.3403744
	1976	male	all maturity st	new shell	56.468123	0	26.0751694
	1976	male	all maturity st	old shell	18.5339999	0	66.1294039
	1977	male	all maturity st	new shell	74.6057039	0	24.2136799
	1977	male	all maturity st	old shell	54.9867357	0	28.6857312
	1978	male	all maturity st	new shell	68.3979224	0	21.9533147
	1978	male	all maturity st	old shell	33.5026484	0	46.433652
	1979	male	all maturity st	new shell	160.647642	0	5.81225093
	1979	male	all maturity st	old shell	17.2679479	0	93.6938902
	1980	male	all maturity st	new shell	102.99975	0	7.74945769
	1980	male	all maturity st	old shell	16.4110434	0	112.624356
	1981	male	all maturity st	new shell	91.7927968	0	12.7312158
	1981	male	all maturity st	old shell	15.4417011	0	82.6014616
	1982	male	all maturity st	new shell	45.3554649	0	25.4825335
	1982	male	all maturity st	old shell	290.648945	0	6.37155625
	1983	male	all maturity st	new shell	76.4802323	0	14.1129811
	1983	male	all maturity st	old shell	98.0083	0	14.8313061
	1984	male	all maturity st	new shell	135.38392	0	4.74088677
	1984	male	all maturity st	old shell	70.5000895	0	17.3895479
	1985	male	all maturity st	new shell	80.4796421	0	16.9638819
	1985	male	all maturity st	old shell	60.0614444	0	23.9376952
	1986	male	all maturity st	new shell	97.8244773	0	11.8642418
	1986	male	all maturity st	old shell	90.7548865	0	15.3297135
	1987	male	all maturity st	new shell	67.5030536	0	12.2224254
	1987	male	all maturity st	old shell	117.526606	0	15.6529934
	1988	male	all maturity st	new shell	143.562001	0	7.45680647
	1988	male	all maturity st	old shell	157.805961	0	12.419359
	1989	male	all maturity st	new shell	125.635788	0	8.54125454
	1989	male	all maturity st	old shell	331.486586	0	8.33468314
	1990	male	all maturity st	new shell	394.115502	0	3.55667747
	1990	male	all maturity st	old shell	228.34396	0	8.35879309
	1991	male	all maturity st	new shell	236.835628	0	4.85315517
	1991	male	all maturity st	old shell	220.007641	0	8.65817711

1992	male	all maturity st	new shell	229.677677	0 5.88349148
1992	male	all maturity st	old shell	79.825614	0 15.1908437
1993	male	all maturity st	new shell	235.001972	0 5.31597711
1993	male	all maturity st	old shell	106.531913	0 10.7971837
1994	male	all maturity st	new shell	202.511981	0 5.3451568
1994	male	all maturity st	old shell	71.9869207	0 16.907824
1995	male	all maturity st	new shell	90.6858014	0 10.2522098
1995	male	all maturity st	old shell	59.2525325	0 23.2382064
1996	male	all maturity st	new shell	127.858556	0 10.6551791
1996	male	all maturity st	old shell	50.3572246	0 23.3640929
1997	male	all maturity st	new shell	157.418038	0 6.71653294
1997	male	all maturity st	old shell	148.221492	0 15.8129782
1998	male	all maturity st	new shell	169.737794	0 4.94211299
1998	male	all maturity st	old shell	376.733611	0 6.8516641
1999	male	all maturity st	new shell	76.4082652	0 11.6978306
1999	male	all maturity st	old shell	130.650189	0 10.2032451
2000	male	all maturity st	new shell	107.231869	0 6.11646399
2000	male	all maturity st	old shell	123.079165	0 12.9317972
2001	male	all maturity st	new shell	160.751061	0 6.83846099
2001	male	all maturity st	old shell	152.547669	0 12.774917
2002	male	all maturity st	new shell	65.0082933	0 12.1159466
2002	male	all maturity st	old shell	315.194739	0 7.99996854
2003	male	all maturity st	new shell	142.060393	0 6.95804841
2003	male	all maturity st	old shell	192.411575	0 10.9883031
2004	male	all maturity st	new shell	108.338057	0 8.20869643
2004	male	all maturity st	old shell	73.1680027	0 25.6195922
2005	male	all maturity st	new shell	174.504083	0 6.41801675
2005	male	all maturity st	old shell	298.127238	0 8.57315306
2006	male	all maturity st	new shell	157.201106	0 8.47745492
2006	male	all maturity st	old shell	229.706689	0 11.3395409
2007	male	all maturity st	new shell	239.154884	0 6.62636764
2007	male	all maturity st	old shell	228.899693	0 12.8668358
2008	male	all maturity st	new shell	312.727437	0 4.36441508
2008	male	all maturity st	old shell	133.629068	0 13.6615502
2009	male	all maturity st	new shell	36.1177845	0 17.5189322
2009	male	all maturity st	old shell	126.780381	0 10.5672887
2010	male	all maturity st	new shell	63.9595106	0 17.2593531
2010	male	all maturity st	old shell	184.5623	0 8.60947173
2011	male	all maturity st	new shell	209.469298	0 3.51710182
2011	male	all maturity st	old shell	149.642469	0 11.2518984
2012	male	all maturity st	new shell	264.771845	0 3.21137797

	2012	male	all maturity st	old shell	122.491165	0	11.2710583
	2013	male	all maturity st	new shell	188.932943	0	6.33666638
	2013	male	all maturity st	old shell	198.982922	0	11.5233959
	2014	male	all maturity st	new shell	234.000845	0	6.13230331
	2014	male	all maturity st	old shell	118.17353	0	11.7421824
	2015	male	all maturity st	new shell	420.096872	0	4.83609856
	2015	male	all maturity st	old shell	143.699056	0	10.4388908
	2016	male	all maturity st	new shell	177.036459	0	8.51719167
	2016	male	all maturity st	old shell	90.7753022	0	14.48844
	2017	male	all maturity st	new shell	28.7557628	0	14.2249515
	2017	male	all maturity st	old shell	85.0071568	0	14.2816928
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.14743819	0	212.986893
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.50793986	0	135.22989
all		female	mature	old shell	3.35970119	0	242.68323
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.04280615	0	199.06139
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.46433297	0	130.568146
all		female	mature	old shell	3.00399531	0	194.015739
	1975	female	immature	new shell	15.8876804	0	28.4965627
	1975	female	mature	new shell	46.5897634	0	6.14832635
	1975	female	mature	old shell	8.52284837	0	30.6497802
	1976	female	immature	new shell	36.536731	0	9.39690844
	1976	female	mature	new shell	50.1785319	0	6.76387265
	1976	female	mature	old shell	9.12456911	0	31.5760384
	1977	female	immature	new shell	33.5612142	0	8.72299513
	1977	female	mature	new shell	39.9113641	0	9.94707864
	1977	female	mature	old shell	22.6152514	0	14.1810417
	1978	female	immature	new shell	24.9657092	0	9.97373656
	1978	female	mature	new shell	123.313509	0	2.88501693
	1978	female	mature	old shell	30.2963456	0	9.75655417
	1979	female	immature	new shell	49.6060418	0	4.12035787
	1979	female	mature	new shell	56.0702167	0	7.7018044

1979	female	mature	old shell	22.4071974	0	13.3004067
1980	female	immature	new shell	117.599986	0	3.13746216
1980	female	mature	new shell	14.3209618	0	13.9813874
1980	female	mature	old shell	19.7643113	0	14.166104
1981	female	immature	new shell	38.2164121	0	11.8882252
1981	female	mature	new shell	10.9075164	0	28.3960704
1981	female	mature	old shell	70.6096257	0	5.63131068
1982	female	immature	new shell	41.0451719	0	16.8926567
1982	female	mature	new shell	9.22651183	0	23.9964945
1982	female	mature	old shell	31.2807657	0	8.48307216
1983	female	immature	new shell	52.4636368	0	5.97840952
1983	female	mature	new shell	48.9649358	0	9.07851461
1983	female	mature	old shell	123.111985	0	2.28588306
1984	female	immature	new shell	35.4497779	0	5.58489803
1984	female	mature	new shell	34.0806686	0	6.55264405
1984	female	mature	old shell	233.710504	0	2.1122937
1985	female	immature	new shell	145.919889	0	4.13918056
1985	female	mature	new shell	10.4492131	0	43.7608543
1985	female	mature	old shell	288.26255	0	2.6063118
1986	female	immature	new shell	74.4882671	0	5.83397753
1986	female	mature	new shell	6.2074811	0	39.649331
1986	female	mature	old shell	27.2571801	0	11.683723
1987	female	immature	new shell	18.3447544	0	33.9565936
1987	female	mature	new shell	31.7695258	0	12.1050591
1987	female	mature	old shell	20.1752648	0	19.5029156
1988	female	immature	new shell	124.583899	0	5.41734039
1988	female	mature	new shell	14.5076654	0	24.2209776
1988	female	mature	old shell	30.9233518	0	11.379525
1989	female	immature	new shell	42.4170513	0	6.17041143
1989	female	mature	new shell	24.4596751	0	12.6105956
1989	female	mature	old shell	39.9116243	0	10.9483052
1990	female	immature	new shell	61.4428316	0	5.89190201
1990	female	mature	new shell	225.246153	0	1.62858646
1990	female	mature	old shell	35.0797502	0	10.6864234
1991	female	immature	new shell	24.1069277	0	12.3820461
1991	female	mature	new shell	112.496639	0	2.37734979
1991	female	mature	old shell	125.042152	0	3.40915989
1992	female	immature	new shell	28.5259445	0	14.1469644
1992	female	mature	new shell	90.4039442	0	4.59311399
1992	female	mature	old shell	117.796547	0	2.99513073
1993	female	immature	new shell	48.0545477	0	9.2301944

1993	female	mature	new shell	41.1675644	0	6.27042577
1993	female	mature	old shell	164.551312	0	2.19926346
1994	female	immature	new shell	28.166266	0	11.4951461
1994	female	mature	new shell	38.5749554	0	10.1511774
1994	female	mature	old shell	188.277351	0	2.17695444
1995	female	immature	new shell	76.1898561	0	6.59387582
1995	female	mature	new shell	25.0949149	0	14.8046593
1995	female	mature	old shell	410.919185	0	0.93571119
1996	female	immature	new shell	68.5485248	0	7.28991341
1996	female	mature	new shell	23.2636186	0	12.1766386
1996	female	mature	old shell	184.914271	0	1.83306003
1997	female	immature	new shell	58.001144	0	3.85969429
1997	female	mature	new shell	77.2635282	0	3.78212615
1997	female	mature	old shell	162.848347	0	2.58683695
1998	female	immature	new shell	317.943413	0	1.46059832
1998	female	mature	new shell	42.830532	0	7.69598574
1998	female	mature	old shell	172.137236	0	2.97725708
1999	female	immature	new shell	54.1337339	0	6.38240919
1999	female	mature	new shell	13.1959024	0	17.8240407
1999	female	mature	old shell	116.880035	0	2.47285851
2000	female	immature	new shell	97.4470815	0	2.45463102
2000	female	mature	new shell	26.1672647	0	10.157679
2000	female	mature	old shell	25.4062375	0	12.9160984
2001	female	immature	new shell	174.690067	0	2.0102626
2001	female	mature	new shell	136.132973	0	4.71191026
2001	female	mature	old shell	40.1893801	0	6.29024915
2002	female	immature	new shell	53.2371891	0	5.22985639
2002	female	mature	new shell	47.342325	0	7.33875501
2002	female	mature	old shell	65.0668072	0	3.44939398
2003	female	immature	new shell	82.5710135	0	3.93060204
2003	female	mature	new shell	195.533828	0	1.89488067
2003	female	mature	old shell	56.4834499	0	8.10970144
2004	female	immature	new shell	58.0629262	0	6.59536376
2004	female	mature	new shell	148.941081	0	1.46612418
2004	female	mature	old shell	44.178886	0	9.56480498
2005	female	immature	new shell	343.536363	0	1.82759157
2005	female	mature	new shell	120.720957	0	3.48946788
2005	female	mature	old shell	360.230575	0	2.36478835
2006	female	immature	new shell	50.8094442	0	7.43098963
2006	female	mature	new shell	158.489108	0	2.33566077
2006	female	mature	old shell	193.420413	0	2.61232249

	2007	female	immature	new shell	117.416	0	3.56670798
	2007	female	mature	new shell	44.1149095	0	7.78544857
	2007	female	mature	old shell	583.42272	0	0.7101862
	2008	female	immature	new shell	79.9884728	0	5.26914097
	2008	female	mature	new shell	129.01459	0	3.93029163
	2008	female	mature	old shell	445.212403	0	0.83608205
	2009	female	immature	new shell	24.0241419	0	9.54449191
	2009	female	mature	new shell	34.93402	0	5.88083566
	2009	female	mature	old shell	578.268981	0	0.72571574
	2010	female	immature	new shell	81.0326911	0	4.76998923
	2010	female	mature	new shell	173.874361	0	2.07230063
	2010	female	mature	old shell	644.116634	0	0.6848925
	2011	female	immature	new shell	64.1258434	0	6.44574953
	2011	female	mature	new shell	25.4023062	0	8.75224421
	2011	female	mature	old shell	155.844996	0	2.61487484
	2012	female	immature	new shell	56.4554183	0	7.14255921
	2012	female	mature	new shell	29.2231214	0	7.71577271
	2012	female	mature	old shell	191.275427	0	1.69505052
	2013	female	immature	new shell	97.247822	0	4.7760069
	2013	female	mature	new shell	455.363078	0	1.13815773
	2013	female	mature	old shell	48.276853	0	6.0963326
	2014	female	immature	new shell	17.9577867	0	21.94057
	2014	female	mature	new shell	78.3156824	0	2.71540187
	2014	female	mature	old shell	58.2759623	0	5.54913601
	2015	female	immature	new shell	67.7184141	0	6.75192196
	2015	female	mature	new shell	21.4810936	0	10.7767244
	2015	female	mature	old shell	210.500208	0	1.78328605
	2016	female	immature	new shell	43.0717604	0	10.1323675
	2016	female	mature	new shell	77.2953017	0	7.14109172
	2016	female	mature	old shell	79.6990087	0	3.33357057
	2017	female	immature	new shell	15.135346	0	13.0973004
	2017	female	mature	new shell	30.2027711	0	16.683459
	2017	female	mature	old shell	126.960713	0	1.72477967
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.22926825	20	0.99871465
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	18.2605828	1	20.3266509
	1981	male	all maturity st	all shell condi	1718.74825	1	0.3890943
	1982	male	all maturity st	all shell condi	335.86237	1	2.75877901
	1983	male	all maturity st	all shell condi	41.0574218	1	1.66716584

	1984	male	all maturity st	all shell condi	305.093799	1	0.81945182
	1988	male	all maturity st	all shell condi	81.5479265	1	7.24107051
	1989	male	all maturity st	all shell condi	524.73152	1	0.70844371
	1990	male	all maturity st	all shell condi	138.893182	1	5.80957451
	1991	male	all maturity st	all shell condi	240.173233	1	4.17285982
	1992	male	all maturity st	all shell condi	86.6822897	1	13.290358
	1993	male	all maturity st	all shell condi	144.041683	1	8.14585428
	1994	male	all maturity st	all shell condi	142.127955	1	12.3814409
	1995	male	all maturity st	all shell condi	96.6821583	1	0.63061618
	1996	male	all maturity st	all shell condi	111.143689	1	1.93536409
	2005	male	all maturity st	all shell condi	14.135777	1	1.50264207
	2006	male	all maturity st	all shell condi	206.478063	1	0.84884327
	2007	male	all maturity st	all shell condi	712.216784	1	1.30681003
	2008	male	all maturity st	all shell condi	403.488815	1	0.89936981
	2009	male	all maturity st	all shell condi	73.9789539	1	1.13057828
	2013	male	all maturity st	all shell condi	489.307188	1	0.57140495
	2014	male	all maturity st	all shell condi	302.710461	1	3.02332785
	2015	male	all maturity st	all shell condi	222.471314	1	7.02926943
all		male	all maturity st	all shell condi	0.19159081	20	0.23859575
all		female	all maturity st	all shell condi	0.49161374	20	1.57094643
	1991	male	all maturity st	all shell condi	724.388796	1	2.17346298
	1991	female	all maturity st	all shell condi	597.868791	1	1.21722386
	1992	male	all maturity st	all shell condi	129.925373	1	19.2230724
	1992	female	all maturity st	all shell condi	412.457721	1	0.59959376
	1993	male	all maturity st	all shell condi	160.007667	1	13.1916916
	1993	female	all maturity st	all shell condi	351.483566	1	0.96330639
	1994	male	all maturity st	all shell condi	161.769027	1	2.92423827
	1994	female	all maturity st	all shell condi	61.5990164	1	1.28633882
	1995	male	all maturity st	all shell condi	580.310266	1	0.70966353
	1995	female	all maturity st	all shell condi	96.0360116	1	0.91228496
	1996	male	all maturity st	all shell condi	38.7615785	1	1.19028911
	1996	female	all maturity st	all shell condi	252.514785	1	0.05524568
	2005	male	all maturity st	all shell condi	113.189506	1	14.2171003
	2005	female	all maturity st	all shell condi	40.6964151	1	0.94331964
	2006	male	all maturity st	all shell condi	320.296357	1	5.01369322
	2006	female	all maturity st	all shell condi	429.344892	1	0.77613401
	2007	male	all maturity st	all shell condi	483.433361	1	5.40465571
	2007	female	all maturity st	all shell condi	329.523354	1	0.3811649
	2008	male	all maturity st	all shell condi	576.619559	1	5.17377025
	2008	female	all maturity st	all shell condi	46.6461062	1	0.31765608
	2009	male	all maturity st	all shell condi	159.829395	1	7.57218621

	2009	female	all maturity st	all shell condi	23.5441295	1	0.18464586
	2013	male	all maturity st	all shell condi	2336.13885	1	1.46934568
	2013	female	all maturity st	all shell condi	65.8658904	1	0.58828972
	2014	male	all maturity st	all shell condi	270.279361	1	9.87142839
	2014	female	all maturity st	all shell condi	174.971811	1	0.21161121
	2015	male	all maturity st	all shell condi	159.696167	1	12.6680999
	2015	female	all maturity st	all shell condi	76.6513732	1	1.03344404
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.04182832	20	0.0218701
all		female	all maturity st	all shell condi	0.31558586	20	1.24493041
	1992	male	all maturity st	all shell condi	430.474456	1	2.17645251
	1992	female	all maturity st	all shell condi	19.1575562	1	0.9318299
	1993	male	all maturity st	all shell condi	190.187119	1	2.07100043
	1993	female	all maturity st	all shell condi	31.0928037	1	1.16373213
	1994	male	all maturity st	all shell condi	85.4868311	1	1.57018063
	1994	female	all maturity st	all shell condi	41.1096084	1	1.83905963
	1995	male	all maturity st	all shell condi	127.027001	1	0.69757767
	1995	female	all maturity st	all shell condi	44.7343786	1	0.26295359
	1996	male	all maturity st	all shell condi	110.888247	1	2.64683476
	1996	female	all maturity st	all shell condi	49.2890358	1	0.38379517
	1997	male	all maturity st	all shell condi	307.569304	1	1.21506162
	1997	female	all maturity st	all shell condi	115.48681	1	0.19042134
	1998	male	all maturity st	all shell condi	419.345543	1	0.2979654
	1998	female	all maturity st	all shell condi	21.8639946	1	0.30510264
	1999	male	all maturity st	all shell condi	145.101895	1	0.34973962
	1999	female	all maturity st	all shell condi	30.5001629	1	0.06944276
	2000	male	all maturity st	all shell condi	165.170161	1	0.3750327
	2000	female	all maturity st	all shell condi	31.2064202	1	0.09724324
	2001	male	all maturity st	all shell condi	377.287636	1	0.36075913
	2001	female	all maturity st	all shell condi	122.485831	1	0.06128352
	2002	male	all maturity st	all shell condi	61.2323405	1	0.80317912
	2002	female	all maturity st	all shell condi	47.2269707	1	0.06198447
	2003	male	all maturity st	all shell condi	112.710347	1	0.40871881
	2003	female	all maturity st	all shell condi	45.7538994	1	0.09779633
	2004	male	all maturity st	all shell condi	23.7174934	1	1.86908952
	2004	female	all maturity st	all shell condi	31.5436444	1	0.80240842
	2005	male	all maturity st	all shell condi	113.552978	1	4.74438726
	2005	female	all maturity st	all shell condi	153.334554	1	0.13777764
	2006	male	all maturity st	all shell condi	75.2652208	1	5.96905832
	2006	female	all maturity st	all shell condi	54.2828953	1	1.08731872

	2007	male	all maturity st	all shell condi	329.34606	1	2.41178285
	2007	female	all maturity st	all shell condi	49.0448349	1	0.40775182
	2008	male	all maturity st	all shell condi	90.1518169	1	7.19752085
	2008	female	all maturity st	all shell condi	14.1566649	1	2.2307515
	2009	male	all maturity st	all shell condi	443.11692	1	2.01650282
	2009	female	all maturity st	all shell condi	19.0723885	1	0.97705626
	2010	male	all maturity st	all shell condi	308.437583	1	1.49343407
	2010	female	all maturity st	all shell condi	64.1594616	1	0.20317902
	2011	male	all maturity st	all shell condi	181.616407	1	3.55176059
	2011	female	all maturity st	all shell condi	58.3585367	1	0.18318822
	2012	male	all maturity st	all shell condi	182.969034	1	2.88052789
	2012	female	all maturity st	all shell condi	41.6501182	1	0.20134754
	2013	male	all maturity st	all shell condi	280.442335	1	2.37893692
	2013	female	all maturity st	all shell condi	249.086269	1	0.07398534
	2014	male	all maturity st	all shell condi	394.838025	1	3.34980925
	2014	female	all maturity st	all shell condi	53.1934097	1	0.46689607
	2015	male	all maturity st	all shell condi	448.081704	1	2.1891929
	2015	female	all maturity st	all shell condi	111.849022	1	0.09395582
	2016	male	all maturity st	all shell condi	364.238858	1	2.84420501
	2016	female	all maturity st	all shell condi	115.401419	1	0.09327722
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.03102469	20	0.0211757
	1973	male	all maturity st	all shell condi	132.936524	1	-2.1051206
	1973	female	all maturity st	all shell condi	191.32115	1	5.87036742
	1974	male	all maturity st	all shell condi	353.359125	1	-1.5221273
	1974	female	all maturity st	all shell condi	213.07175	1	3.42201192
	1975	male	all maturity st	all shell condi	227.141837	1	-0.482877
	1975	female	all maturity st	all shell condi	195.924067	1	1.87831931
	1976	male	all maturity st	all shell condi	128.430484	1	-5.8291628
	1976	female	all maturity st	all shell condi	107.847993	1	20.8649229
	1977	male	all maturity st	all shell condi	184.667628	1	-1.9870711
	1977	female	all maturity st	all shell condi	283.787111	1	15.3792486
	1978	male	all maturity st	all shell condi	217.103333	1	-5.7869999
	1978	female	all maturity st	all shell condi	154.368794	1	25.8685831
	1979	male	all maturity st	all shell condi	516.687439	1	-3.9535005
	1979	female	all maturity st	all shell condi	602.712393	1	12.166196
	1980	male	all maturity st	all shell condi	642.16239	1	6.26071938
	1980	female	all maturity st	all shell condi	655.002053	1	-0.4873078
	1981	male	all maturity st	all shell condi	820.810863	1	-2.3562097
	1981	female	all maturity st	all shell condi	58.8146115	1	11.3082874
	1982	male	all maturity st	all shell condi	662.58442	1	7.95641505

1982	female	all maturity st	all shell condi	63.9271798	1	14.483568
1983	male	all maturity st	all shell condi	303.396794	1	32.7156415
1983	female	all maturity st	all shell condi	134.669822	1	-10.273042
1984	male	all maturity st	all shell condi	410.519876	1	37.1107603
1984	female	all maturity st	all shell condi	246.646567	1	-17.362044
1985	male	all maturity st	all shell condi	183.72656	1	24.0708657
1985	female	all maturity st	all shell condi	305.958274	1	-5.7561381
1986	male	all maturity st	all shell condi	390.298672	1	9.80219671
1986	female	all maturity st	all shell condi	201.129253	1	0.81257758
1987	male	all maturity st	all shell condi	243.364232	1	13.7990006
1987	female	all maturity st	all shell condi	691.841877	1	6.36330806
1988	male	all maturity st	all shell condi	303.350766	1	2.49228774
1988	female	all maturity st	all shell condi	220.299565	1	10.7160145
1989	male	all maturity st	all shell condi	534.720165	1	-7.9231908
1989	female	all maturity st	all shell condi	547.570804	1	21.3587874
1990	male	all maturity st	all shell condi	692.267446	1	14.6148157
1990	female	all maturity st	all shell condi	267.498341	1	-4.7208418
1991	male	all maturity st	all shell condi	302.489737	1	1.06524517
1991	female	all maturity st	all shell condi	206.146312	1	6.03754636
1992	male	all maturity st	all shell condi	220.517873	1	4.42251819
1992	female	all maturity st	all shell condi	64.9204711	1	2.46016836
1993	male	all maturity st	all shell condi	70.0186609	1	3.98269548
1993	female	all maturity st	all shell condi	83.7938546	1	-0.5113944
1994	male	all maturity st	all shell condi	174.204583	1	3.89658622
1994	female	all maturity st	all shell condi	430.740821	1	0.70464005
1995	male	all maturity st	all shell condi	64.306348	1	9.70624432
1995	female	all maturity st	all shell condi	61.7435679	1	4.22891907
1996	male	all maturity st	all shell condi	174.299617	1	12.2518966
1996	female	all maturity st	all shell condi	526.388648	1	-3.9999119
1997	male	all maturity st	all shell condi	49.7542803	1	22.3891908
1997	female	all maturity st	all shell condi	174.24482	1	5.04131714
1998	male	all maturity st	all shell condi	129.870049	1	8.02450108
1998	female	all maturity st	all shell condi	301.308233	1	6.64971311
1999	male	all maturity st	all shell condi	451.86547	1	4.40297907
1999	female	all maturity st	all shell condi	1119.33646	1	1.91743535
2000	male	all maturity st	all shell condi	367.756957	1	5.93034747
2000	female	all maturity st	all shell condi	817.200501	1	-0.1206623
2001	male	all maturity st	all shell condi	497.860758	1	9.69011058
2001	female	all maturity st	all shell condi	1230.89516	1	-3.475
2002	male	all maturity st	all shell condi	410.198427	1	10.0726034
2002	female	all maturity st	all shell condi	912.678709	1	-0.0259756

	2003	male	all maturity st	all shell condi	193.487114	1	4.11474145
	2003	female	all maturity st	all shell condi	308.677035	1	5.12246943
	2004	male	all maturity st	all shell condi	108.435504	1	-2.5159717
	2004	female	all maturity st	all shell condi	30.7572314	1	40.4661325
	2005	male	all maturity st	all shell condi	1403.41102	1	3.63894572
	2005	female	all maturity st	all shell condi	1901.44278	1	0.92826393
	2006	male	all maturity st	all shell condi	201.386946	1	11.7751678
	2006	female	all maturity st	all shell condi	145.501621	1	3.63505235
	2007	male	all maturity st	all shell condi	173.506951	1	10.026027
	2007	female	all maturity st	all shell condi	87.8678993	1	10.2391371
	2008	male	all maturity st	all shell condi	162.130375	1	26.3619573
	2008	female	all maturity st	all shell condi	169.833012	1	-8.215863
	2009	male	all maturity st	all shell condi	296.01431	1	13.0806692
	2009	female	all maturity st	all shell condi	510.843485	1	-6.5684587
	2010	male	all maturity st	all shell condi	509.121595	1	5.3721075
	2010	female	all maturity st	all shell condi	1598.64417	1	-1.7823329
	2011	male	all maturity st	all shell condi	76.807786	1	11.8854791
	2011	female	all maturity st	all shell condi	64.3129722	1	22.6590325
	2012	male	all maturity st	all shell condi	327.168997	1	-7.7633708
	2012	female	all maturity st	all shell condi	111.941475	1	14.7565594
	2013	male	all maturity st	all shell condi	260.097992	1	0.58808609
	2013	female	all maturity st	all shell condi	473.896217	1	12.4693239
	2014	male	all maturity st	all shell condi	872.598862	1	9.86462142
	2014	female	all maturity st	all shell condi	795.851825	1	-5.3831812
	2015	male	all maturity st	all shell condi	183.936745	1	16.4026635
	2015	female	all maturity st	all shell condi	205.214006	1	4.14811195
	2016	male	all maturity st	all shell condi	182.82327	1	-4.0056144
	2016	female	all maturity st	all shell condi	53.6668165	1	25.8722978
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.03152181	20	0.01142668
all		female	all maturity st	all shell condi	0.00762668	20	0.00066891
	1992	male	all maturity st	all shell condi	81.7701142	1	1.53752818
	1992	female	all maturity st	all shell condi	82.8009139	1	0.12680226
	1993	male	all maturity st	all shell condi	115.359615	1	2.73000601
	1993	female	all maturity st	all shell condi	302.919442	1	0.28597724
	1996	male	all maturity st	all shell condi	61.1841625	1	0.12514538
	1996	female	all maturity st	all shell condi	3.47545381	1	0.03184173
	1997	male	all maturity st	all shell condi	14.9463747	1	3.42683593
	1997	female	all maturity st	all shell condi	33.3089088	1	0.04880039
	1998	male	all maturity st	all shell condi	39.8487934	1	0.54117524

1998	female	all maturity st	all shell condi	21.6540771	1	0.07096869
1999	male	all maturity st	all shell condi	56.796145	1	0.24828375
1999	female	all maturity st	all shell condi	18.8274518	1	0.02490918
2000	male	all maturity st	all shell condi	177.626654	1	0.58908441
2000	female	all maturity st	all shell condi	42.0544969	1	0.05749259
2001	male	all maturity st	all shell condi	129.803963	1	0.26312201
2001	female	all maturity st	all shell condi	49.5318063	1	0.0413312
2002	male	all maturity st	all shell condi	101.786889	1	0.45919667
2002	female	all maturity st	all shell condi	31.8444748	1	0.05554789
2003	male	all maturity st	all shell condi	73.6828803	1	0.55961569
2003	female	all maturity st	all shell condi	49.8855993	1	0.09269724
2004	male	all maturity st	all shell condi	36.3488432	1	0.7516879
2004	female	all maturity st	all shell condi	19.3678169	1	0.06217893
2005	male	all maturity st	all shell condi	55.477453	1	1.36808613
2005	female	all maturity st	all shell condi	12.8745961	1	0.16963492
2006	male	all maturity st	all shell condi	26.0336698	1	1.82938162
2006	female	all maturity st	all shell condi	24.7092744	1	0.26117215
2007	male	all maturity st	all shell condi	119.25539	1	0.94365969
2007	female	all maturity st	all shell condi	107.823995	1	0.08621198
2008	male	all maturity st	all shell condi	49.6168764	1	3.69328258
2008	female	all maturity st	all shell condi	99.0664177	1	0.12201523
2009	male	all maturity st	all shell condi	20.2281049	1	7.66464935
2009	female	all maturity st	all shell condi	107.240475	1	0.05076286
2010	male	all maturity st	all shell condi	58.8398754	1	0.73258234
2010	female	all maturity st	all shell condi	36.66477	1	0.04357275
2011	male	all maturity st	all shell condi	89.5790351	1	0.28007398
2011	female	all maturity st	all shell condi	5.94833468	1	0.01932248
2012	male	all maturity st	all shell condi	90.9550269	1	0.5221557
2012	female	all maturity st	all shell condi	6.95982133	1	0.2071521
2013	male	all maturity st	all shell condi	64.5203381	1	1.70831579
2013	female	all maturity st	all shell condi	9.75340025	1	0.17656765
2014	male	all maturity st	all shell condi	146.492136	1	1.37906274
2014	female	all maturity st	all shell condi	19.4495528	1	0.07404686
2015	male	all maturity st	all shell condi	313.163259	1	0.57932105
2015	female	all maturity st	all shell condi	85.9190777	1	0.07423269
2016	male	all maturity st	all shell condi	29.0151818	1	6.11375874
2016	female	all maturity st	all shell condi	19.7440621	1	0.51652074
2015	male	immature	new shell	0.49214398	1	86.7559907
2016	male	immature	new shell	0.49214398	1	101.515134
2015	female	immature	new shell	0.27687629	1	70.2614515
2016	female	immature	new shell	0.27687629	1	59.7565008

1994	male	immature	new shell	0.515441	0	12.0374608
1995	male	immature	new shell	0.515441	0	28.3155285
1996	male	immature	new shell	0.515441	0	323.655534
1997	male	immature	new shell	0.515441	0	444.871279
1998	male	immature	new shell	0.515441	0	470.063
1999	male	immature	new shell	0.515441	0	419.683002
2000	male	immature	new shell	0.515441	0	666.513972
2001	male	immature	new shell	0.515441	0	780.257538
2002	male	immature	new shell	0.515441	0	740.206211
2003	male	immature	new shell	0.515441	0	257.528816
2004	male	immature	new shell	0.515441	0	163.517432
2005	male	immature	new shell	0.515441	0	89.9552478
2006	male	immature	new shell	0.515441	0	10.9694258
2011	male	immature	new shell	0.515441	0	1.96216247
2012	male	immature	new shell	0.515441	0	2.80273256
1994	female	immature	new shell	0.43788919	0	14.7123689
1995	female	immature	new shell	0.43788919	0	14.0622914
1996	female	immature	new shell	0.43788919	0	211.471017
1997	female	immature	new shell	0.43788919	0	164.536012
1998	female	immature	new shell	0.43788919	0	227.338746
1999	female	immature	new shell	0.43788919	0	289.273896
2000	female	immature	new shell	0.43788919	0	546.340545
2001	female	immature	new shell	0.43788919	0	535.774659
2002	female	immature	new shell	0.43788919	0	338.424702
2003	female	immature	new shell	0.43788919	0	89.8156978
2004	female	immature	new shell	0.43788919	0	95.1849652
2005	female	immature	new shell	0.43788919	0	24.8367925
2006	female	immature	new shell	0.43788919	0	7.96374677
2012	female	immature	new shell	0.43788919	0	2.3864244
1990	male		new shell	2.77858171	1	60.9135848
1991	male		new shell	2.77858171	1	61.6187371
1992	male		new shell	2.77858171	1	17.3543895
1993	male		new shell	2.77858171	1	29.2592114
1994	male		new shell	2.77858171	1	20.8669775
1995	male		new shell	2.77858171	1	14.0137928
1997	male		new shell	2.77858171	1	9.73339095
1998	male		new shell	2.77858171	1	24.9713769
1999	male		new shell	2.77858171	1	11.2372793
2000	male		new shell	2.77858171	1	22.2079089
2001	male		new shell	2.77858171	1	26.7288981
2002	male		new shell	2.77858171	1	19.7347796

	2003	male		new shell	2.77858171	1	12.0422257
	2004	male		new shell	2.77858171	1	17.4924136
	2005	male		new shell	2.77858171	1	65.9774243
	2008	male		new shell	2.77858171	1	47.8468285
	2010	male		new shell	2.77858171	1	65.4141506
	2012	male		new shell	2.77858171	1	15.3842426
	2014	male		new shell	2.77858171	1	21.3305983
	2016	male		new shell	2.77858171	1	36.4474366
	2017	male		new shell	2.77858171	1	17.5253365
all		male	immature	new shell	0.09975135	1	2027.70406
all		male	mature	new shell	0.09975135	1	2027.70406
all		male	immature	old shell	0.09975135	1	2027.70406
all		male	mature	old shell	0.09975135	1	2027.70406
all		female	immature	new shell	0.09975135	1	2027.70406
all		female	mature	new shell	0.09975135	1	2027.70406
all		female	immature	old shell	0.09975135	1	2027.70406
all		female	mature	old shell	0.09975135	1	2027.70406
all		male	immature	new shell	0.09975135	1	27898.0556
all		male	mature	new shell	0.09975135	1	27898.0556
all		male	immature	old shell	0.09975135	1	27898.0556
all		male	mature	old shell	0.09975135	1	27898.0556
all		female	immature	new shell	0.09975135	1	27898.0556
all		female	mature	new shell	0.09975135	1	27898.0556
all		female	immature	old shell	0.09975135	1	27898.0556
all		female	mature	old shell	0.09975135	1	27898.0556
all		male	immature	all shell condi	3.28081858	0	231.421067
all		male	mature	all shell condi	2.58803208	0	144.005066
all		female	immature	all shell condi	2.99255219	0	192.540425
all		female	mature	all shell condi	2.37010638	0	120.774192
all		male	mature	all shell condi	2.29066264	0	112.81341
all		female	mature	all shell condi	2.20901071	0	104.914159
	1975	male	immature	all shell condi	663.05854	0	11.0508381
	1975	male	mature	all shell condi	93.5989852	0	33.0897352
	1975	female	immature	all shell condi	177.732706	0	10.1021018
	1975	female	mature	all shell condi	117.25369	0	-12.76699
	1976	male	immature	all shell condi	242.982921	0	19.486443
	1976	male	mature	all shell condi	151.320158	0	-8.3294096
	1976	female	immature	all shell condi	57.2410856	0	30.4366552
	1976	female	mature	all shell condi	188.764232	0	-8.6034111
	1977	male	immature	all shell condi	131.549744	0	15.2820693
	1977	male	mature	all shell condi	112.03741	0	-15.620202

1977	female	immature	all shell condi	18.8495786	0	64.5932395
1977	female	mature	all shell condi	431.761509	0	-7.3390739
1978	male	immature	all shell condi	297.865252	0	7.47357242
1978	male	mature	all shell condi	192.505579	0	-8.1904149
1978	female	immature	all shell condi	39.628488	0	33.3705982
1978	female	mature	all shell condi	1203.51574	0	-4.563575
1979	male	immature	all shell condi	107.784643	0	21.7767316
1979	male	mature	all shell condi	165.585066	0	-13.121798
1979	female	immature	all shell condi	294.153202	0	1.83046441
1979	female	mature	all shell condi	68.5662316	0	24.8547302
1980	male	immature	all shell condi	75.9134592	0	33.2082378
1980	male	mature	all shell condi	106.045161	0	-15.594408
1980	female	immature	all shell condi	470.468165	0	5.9039919
1980	female	mature	all shell condi	43.2129212	0	23.3198577
1981	male	immature	all shell condi	623.708558	0	4.14560404
1981	male	mature	all shell condi	214.312064	0	-15.641369
1981	female	immature	all shell condi	211.340476	0	-4.6838282
1981	female	mature	all shell condi	19.2039468	0	73.8649084
1982	male	immature	all shell condi	171.030057	0	-14.23793
1982	male	mature	all shell condi	295.219728	0	-12.226119
1982	female	immature	all shell condi	106.519026	0	-8.1935079
1982	female	mature	all shell condi	5.87271002	0	150.627729
1983	male	immature	all shell condi	137.375186	0	6.99530957
1983	male	mature	all shell condi	431.649623	0	-5.328404
1983	female	immature	all shell condi	143.56821	0	7.8785328
1983	female	mature	all shell condi	76.7425079	0	25.0660354
1984	male	immature	all shell condi	263.437293	0	-12.218746
1984	male	mature	all shell condi	245.662635	0	14.0661244
1984	female	immature	all shell condi	128.033233	0	-7.9863164
1984	female	mature	all shell condi	46.2355488	0	38.1332802
1985	male	immature	all shell condi	143.342113	0	-17.630014
1985	male	mature	all shell condi	64.9304234	0	37.8438764
1985	female	immature	all shell condi	68.9455919	0	-22.016509
1985	female	mature	all shell condi	28.9629467	0	52.6908002
1986	male	immature	all shell condi	342.7963	0	7.74092344
1986	male	mature	all shell condi	98.538888	0	24.4591809
1986	female	immature	all shell condi	114.115686	0	-9.1576703
1986	female	mature	all shell condi	227.747869	0	2.50368734
1987	male	immature	all shell condi	179.502151	0	6.6663555
1987	male	mature	all shell condi	982.003647	0	5.06383771
1987	female	immature	all shell condi	46.6792523	0	50.9185419

1987	female	mature	all shell condi	204.9061	0	-4.809929
1988	male	immature	all shell condi	501.177804	0	2.09358183
1988	male	mature	all shell condi	576.839633	0	10.4397938
1988	female	immature	all shell condi	167.643983	0	-8.9538838
1988	female	mature	all shell condi	103.662244	0	18.2737446
1989	male	immature	all shell condi	254.267242	0	8.19054202
1989	male	mature	all shell condi	735.124504	0	3.26370428
1989	female	immature	all shell condi	158.965083	0	10.7032733
1989	female	mature	all shell condi	205.336379	0	-5.124182
1990	male	immature	all shell condi	618.586537	0	-0.0439088
1990	male	mature	all shell condi	601.295553	0	-4.4470574
1990	female	immature	all shell condi	271.70512	0	5.04724032
1990	female	mature	all shell condi	336.184644	0	12.364721
1991	male	immature	all shell condi	243.928564	0	8.14433144
1991	male	mature	all shell condi	631.210359	0	-8.4970097
1991	female	immature	all shell condi	130.02727	0	8.64345275
1991	female	mature	all shell condi	765.016605	0	10.0950693
1992	male	immature	all shell condi	538.289841	0	10.5897934
1992	male	mature	all shell condi	316.301621	0	1.69085743
1992	female	immature	all shell condi	353.134621	0	3.5193775
1992	female	mature	all shell condi	3285.09851	0	-2.0165486
1993	male	immature	all shell condi	350.122478	0	18.4310155
1993	male	mature	all shell condi	484.024279	0	3.28498742
1993	female	immature	all shell condi	605.217159	0	3.5011024
1993	female	mature	all shell condi	290.305917	0	-13.661561
1994	male	immature	all shell condi	259.292792	0	11.915367
1994	male	mature	all shell condi	619.822428	0	-3.0909207
1994	female	immature	all shell condi	85.2787323	0	17.9521811
1994	female	mature	all shell condi	490.863152	0	-10.978511
1995	male	immature	all shell condi	369.200405	0	-4.465781
1995	male	mature	all shell condi	528.368402	0	1.46538125
1995	female	immature	all shell condi	275.717524	0	-4.6528703
1995	female	mature	all shell condi	135.153289	0	24.0298899
1996	male	immature	all shell condi	590.789489	0	-1.7883375
1996	male	mature	all shell condi	592.538329	0	4.58118987
1996	female	immature	all shell condi	272.729659	0	-3.3434728
1996	female	mature	all shell condi	306.919134	0	12.7268535
1997	male	immature	all shell condi	219.014495	0	10.3939693
1997	male	mature	all shell condi	1079.62637	0	-6.6330086
1997	female	immature	all shell condi	76.0728039	0	23.4073578
1997	female	mature	all shell condi	396.758678	0	-9.0973073

1998	male	immature	all shell condi	99.0469949	0	24.9068681
1998	male	mature	all shell condi	1238.19827	0	-5.8522051
1998	female	immature	all shell condi	167.791025	0	21.3895327
1998	female	mature	all shell condi	118.804601	0	-12.541041
1999	male	immature	all shell condi	135.979585	0	18.5598429
1999	male	mature	all shell condi	850.388783	0	-1.0748027
1999	female	immature	all shell condi	172.93981	0	10.5149038
1999	female	mature	all shell condi	266.547029	0	-7.667962
2000	male	immature	all shell condi	136.845744	0	12.8864013
2000	male	mature	all shell condi	2238.66969	0	2.53092957
2000	female	immature	all shell condi	275.278645	0	2.79651181
2000	female	mature	all shell condi	302.284472	0	-4.4825617
2001	male	immature	all shell condi	191.963823	0	17.194829
2001	male	mature	all shell condi	709.972552	0	-5.457482
2001	female	immature	all shell condi	286.308923	0	12.787057
2001	female	mature	all shell condi	274.094025	0	-6.3325157
2002	male	immature	all shell condi	124.861859	0	12.8686905
2002	male	mature	all shell condi	1485.49411	0	-2.6977446
2002	female	immature	all shell condi	106.871012	0	16.7354299
2002	female	mature	all shell condi	548.800469	0	-5.3109832
2003	male	immature	all shell condi	304.279108	0	8.70955957
2003	male	mature	all shell condi	2307.35805	0	1.73597348
2003	female	immature	all shell condi	215.644734	0	-5.1393665
2003	female	mature	all shell condi	306.429807	0	8.21019414
2004	male	immature	all shell condi	179.955289	0	6.28982555
2004	male	mature	all shell condi	514.373198	0	11.906544
2004	female	immature	all shell condi	153.227922	0	11.2576442
2004	female	mature	all shell condi	261.39513	0	-5.3879608
2005	male	immature	all shell condi	301.930579	0	4.0872521
2005	male	mature	all shell condi	1718.08225	0	-4.1086803
2005	female	immature	all shell condi	243.514426	0	18.0261266
2005	female	mature	all shell condi	1042.75777	0	-4.035203
2006	male	immature	all shell condi	334.196148	0	11.4377579
2006	male	mature	all shell condi	1264.55702	0	1.67168749
2006	female	immature	all shell condi	204.645216	0	10.0423747
2006	female	mature	all shell condi	468.02536	0	-6.9682843
2007	male	immature	all shell condi	216.996392	0	26.2319709
2007	male	mature	all shell condi	787.372614	0	3.82420364
2007	female	immature	all shell condi	1008.96659	0	0.27099846
2007	female	mature	all shell condi	159.810968	0	-12.386128
2008	male	immature	all shell condi	728.602023	0	11.6377131

	2008	male	mature	all shell condi	1095.22148	0	3.36002384
	2008	female	immature	all shell condi	601.672911	0	2.40113451
	2008	female	mature	all shell condi	492.189344	0	-8.4825781
	2009	male	immature	all shell condi	170.374349	0	6.09849559
	2009	male	mature	all shell condi	575.403941	0	8.02493259
	2009	female	immature	all shell condi	80.5390522	0	1.13661458
	2009	female	mature	all shell condi	1660.74768	0	2.03669723
	2010	male	immature	all shell condi	485.737446	0	2.78637657
	2010	male	mature	all shell condi	414.461891	0	13.0563326
	2010	female	immature	all shell condi	228.461195	0	-4.1617228
	2010	female	mature	all shell condi	3371.43114	0	-2.5194831
	2011	male	immature	all shell condi	399.366009	0	11.4419975
	2011	male	mature	all shell condi	2429.79078	0	0.83501299
	2011	female	immature	all shell condi	258.991582	0	7.77408091
	2011	female	mature	all shell condi	254.888615	0	-6.324582
	2012	male	immature	all shell condi	320.645041	0	17.9927763
	2012	male	mature	all shell condi	1391.11939	0	0.09334585
	2012	female	immature	all shell condi	286.495924	0	1.14463527
	2012	female	mature	all shell condi	470.246252	0	-5.407995
	2013	male	immature	all shell condi	719.803227	0	11.6065609
	2013	male	mature	all shell condi	389.212405	0	4.28973393
	2013	female	immature	all shell condi	564.809824	0	1.29764707
	2013	female	mature	all shell condi	926.178781	0	-5.271904
	2014	male	immature	all shell condi	337.077014	0	16.7120467
	2014	male	mature	all shell condi	659.213338	0	1.84152216
	2014	female	immature	all shell condi	102.053532	0	15.1523813
	2014	female	mature	all shell condi	291.467846	0	-10.957247
	2015	male	immature	all shell condi	857.206948	0	9.49502806
	2015	male	mature	all shell condi	765.211801	0	1.7593357
	2015	female	immature	all shell condi	636.027559	0	2.78610853
	2015	female	mature	all shell condi	359.642421	0	-2.2464105
	2016	male	immature	all shell condi	463.280766	0	9.21426199
	2016	male	mature	all shell condi	190.031394	0	21.4503645
	2016	female	immature	all shell condi	416.052518	0	-0.2016705
	2016	female	mature	all shell condi	241.349705	0	-8.6951577
	2017	male	immature	all shell condi	102.740601	0	-1.6676343
	2017	male	mature	all shell condi	117.0723	0	29.3303478
	2017	female	immature	all shell condi	79.7842725	0	0.90974877
	2017	female	mature	all shell condi	540.612047	0	2.12230936
all		male	all maturity st	new shell	3.3595207	0	242.657155
all		male	all maturity st	old shell	4.58363328	0	451.708422

all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	2.57205842	1	142.232917
all		male	all maturity st	old shell	3.67642487	1	290.596146
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
	1975	male	all maturity st	new shell	75.6939845	1	24.3873153
	1975	male	all maturity st	old shell	30.3066038	1	36.5107791
	1976	male	all maturity st	new shell	199.673876	1	7.67427774
	1976	male	all maturity st	old shell	21.6767595	1	53.0753969
	1977	male	all maturity st	new shell	83.7711172	1	14.7797869
	1977	male	all maturity st	old shell	90.9729606	1	15.3721975
	1978	male	all maturity st	new shell	153.531733	1	8.56584415
	1978	male	all maturity st	old shell	65.134968	1	19.3852701
	1979	male	all maturity st	new shell	71.4635191	1	12.7125922
	1979	male	all maturity st	old shell	45.2714458	1	27.6244573
	1980	male	all maturity st	new shell	50.1292199	1	17.7395929
	1980	male	all maturity st	old shell	43.2452093	1	27.652401
	1981	male	all maturity st	new shell	75.4225452	1	15.0065604
	1981	male	all maturity st	old shell	33.1809103	1	29.9582917
	1982	male	all maturity st	new shell	68.0649108	1	17.1743018
	1982	male	all maturity st	old shell	319.134508	1	4.47318748
	1983	male	all maturity st	new shell	44.7836752	1	21.8071223
	1983	male	all maturity st	old shell	84.8446389	1	14.2364735
	1984	male	all maturity st	new shell	88.594465	1	7.17001328
	1984	male	all maturity st	old shell	56.9491719	1	19.0018622
	1985	male	all maturity st	new shell	80.8354479	1	13.8835958
	1985	male	all maturity st	old shell	49.3624975	1	24.9967199
	1986	male	all maturity st	new shell	92.0973553	1	12.3513667
	1986	male	all maturity st	old shell	99.562938	1	11.7050682
	1987	male	all maturity st	new shell	71.5086489	1	11.4902853
	1987	male	all maturity st	old shell	180.833464	1	10.6776143
	1988	male	all maturity st	new shell	127.447018	1	8.7177459
	1988	male	all maturity st	old shell	206.409026	1	9.62574652
	1989	male	all maturity st	new shell	138.958269	1	8.28508453
	1989	male	all maturity st	old shell	435.933186	1	6.2436181
	1990	male	all maturity st	new shell	290.093735	1	4.59302248
	1990	male	all maturity st	old shell	248.0025	1	6.66188552
	1991	male	all maturity st	new shell	132.485793	1	9.54874761
	1991	male	all maturity st	old shell	227.917273	1	6.86763556
	1992	male	all maturity st	new shell	195.680863	1	6.49994162

1992	male	all maturity st	old shell	85.6131854	1	11.7091928
1993	male	all maturity st	new shell	461.468916	1	2.77992747
1993	male	all maturity st	old shell	152.540184	1	6.04287062
1994	male	all maturity st	new shell	193.414099	1	5.25762692
1994	male	all maturity st	old shell	128.903733	1	7.33262051
1995	male	all maturity st	new shell	97.0797496	1	9.03530126
1995	male	all maturity st	old shell	109.599188	1	9.56660773
1996	male	all maturity st	new shell	133.585746	1	10.4015939
1996	male	all maturity st	old shell	91.3684034	1	9.75376108
1997	male	all maturity st	new shell	110.063485	1	8.53789698
1997	male	all maturity st	old shell	306.658772	1	6.46180307
1998	male	all maturity st	new shell	73.9593539	1	11.4704848
1998	male	all maturity st	old shell	325.870959	1	5.40191173
1999	male	all maturity st	new shell	94.4901464	1	8.9109527
1999	male	all maturity st	old shell	117.23898	1	10.3779066
2000	male	all maturity st	new shell	96.8861528	1	5.98695963
2000	male	all maturity st	old shell	177.178092	1	8.60955849
2001	male	all maturity st	new shell	121.750952	1	8.84712092
2001	male	all maturity st	old shell	285.627718	1	7.54103469
2002	male	all maturity st	new shell	52.958229	1	14.7018482
2002	male	all maturity st	old shell	406.173931	1	4.86909723
2003	male	all maturity st	new shell	140.868269	1	7.5009137
2003	male	all maturity st	old shell	288.291861	1	6.99244871
2004	male	all maturity st	new shell	87.3102618	1	10.0622581
2004	male	all maturity st	old shell	60.6413666	1	34.4280715
2005	male	all maturity st	new shell	128.59258	1	8.08655209
2005	male	all maturity st	old shell	478.030513	1	5.77887136
2006	male	all maturity st	new shell	135.205711	1	9.40274878
2006	male	all maturity st	old shell	378.741829	1	7.52989811
2007	male	all maturity st	new shell	268.773904	1	6.00978626
2007	male	all maturity st	old shell	259.204153	1	11.8777644
2008	male	all maturity st	new shell	558.089133	1	2.73395375
2008	male	all maturity st	old shell	161.106254	1	11.0176557
2009	male	all maturity st	new shell	55.4232909	1	12.0244778
2009	male	all maturity st	old shell	138.240634	1	8.60754221
2010	male	all maturity st	new shell	91.3653554	1	11.5781185
2010	male	all maturity st	old shell	218.111879	1	6.5468349
2011	male	all maturity st	new shell	243.562467	1	3.1456072
2011	male	all maturity st	old shell	199.710843	1	7.99954491
2012	male	all maturity st	new shell	311.026758	1	2.80825647
2012	male	all maturity st	old shell	153.279735	1	8.40578425

	2013	male	all maturity st	new shell	198.708271	1	5.91544741
	2013	male	all maturity st	old shell	250.744938	1	9.40443357
	2014	male	all maturity st	new shell	250.578693	1	6.26269686
	2014	male	all maturity st	old shell	154.365478	1	8.18540826
	2015	male	all maturity st	new shell	606.994014	1	4.16621647
	2015	male	all maturity st	old shell	203.696519	1	6.89052226
	2016	male	all maturity st	new shell	193.54367	1	8.28764715
	2016	male	all maturity st	old shell	118.159173	1	10.7586712
	2017	male	all maturity st	new shell	28.6982268	1	14.39704
	2017	male	all maturity st	old shell	105.389261	1	10.9280018
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	2.99255219	0	192.540425
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.43661211	0	127.647189
all		female	mature	old shell	2.82209817	0	171.231119
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.64871064	1	150.836863
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.27837709	1	111.606547
all		female	mature	old shell	2.62331057	1	147.957805
	1975	female	immature	new shell	26.5471411	1	16.2496709
	1975	female	mature	new shell	144.057017	1	2.62083182
	1975	female	mature	old shell	11.8866015	1	20.8746087
	1976	female	immature	new shell	37.0337701	1	9.25271418
	1976	female	mature	new shell	254.808048	1	2.19352798
	1976	female	mature	old shell	13.4443987	1	20.9557319
	1977	female	immature	new shell	28.5241245	1	10.9773899
	1977	female	mature	new shell	401.891894	1	2.37970883
	1977	female	mature	old shell	46.4036506	1	7.46155646
	1978	female	immature	new shell	23.9695466	1	11.6037158
	1978	female	mature	new shell	96.5533411	1	2.85054955
	1978	female	mature	old shell	92.5495084	1	3.54373965
	1979	female	immature	new shell	37.2337787	1	6.15236321
	1979	female	mature	new shell	23.5618175	1	14.8430803
	1979	female	mature	old shell	54.2088749	1	5.75981065

1980	female	immature	new shell	106.717527	1	3.52574715
1980	female	mature	new shell	9.06297856	1	25.0479428
1980	female	mature	old shell	46.4383088	1	5.26200955
1981	female	immature	new shell	35.5737373	1	12.1233042
1981	female	mature	new shell	8.07444165	1	40.2269033
1981	female	mature	old shell	176.321399	1	4.2959368
1982	female	immature	new shell	45.7951892	1	16.3521435
1982	female	mature	new shell	8.19198299	1	28.3971973
1982	female	mature	old shell	23.1366117	1	11.5126658
1983	female	immature	new shell	34.5406415	1	9.2021236
1983	female	mature	new shell	57.3592525	1	6.98523668
1983	female	mature	old shell	68.2422973	1	3.93719113
1984	female	immature	new shell	30.3031373	1	6.95687868
1984	female	mature	new shell	30.416778	1	7.25641209
1984	female	mature	old shell	218.685494	1	2.02178316
1985	female	immature	new shell	84.9537854	1	5.2004258
1985	female	mature	new shell	13.3996782	1	35.4969713
1985	female	mature	old shell	262.534985	1	2.14248083
1986	female	immature	new shell	56.8878941	1	7.35208188
1986	female	mature	new shell	8.11038853	1	30.359188
1986	female	mature	old shell	34.3365022	1	9.09099638
1987	female	immature	new shell	17.3053257	1	37.6298318
1987	female	mature	new shell	37.9077199	1	10.3040022
1987	female	mature	old shell	23.5374374	1	16.7169126
1988	female	immature	new shell	81.5938938	1	7.35677817
1988	female	mature	new shell	15.3449077	1	22.9521837
1988	female	mature	old shell	38.0121063	1	9.85714315
1989	female	immature	new shell	55.5187184	1	4.5723333
1989	female	mature	new shell	32.5002867	1	9.855923
1989	female	mature	old shell	46.2985094	1	9.74006348
1990	female	immature	new shell	54.430987	1	6.11914192
1990	female	mature	new shell	164.827397	1	2.34847858
1990	female	mature	old shell	44.5807141	1	8.95186003
1991	female	immature	new shell	18.2547044	1	16.3339817
1991	female	mature	new shell	91.1301939	1	3.13802339
1991	female	mature	old shell	201.287184	1	2.50896708
1992	female	immature	new shell	32.9362111	1	12.4948748
1992	female	mature	new shell	50.4098442	1	7.30414912
1992	female	mature	old shell	208.18195	1	2.03705384
1993	female	immature	new shell	65.8440444	1	6.66103764
1993	female	mature	new shell	23.0154474	1	11.7830181

1993	female	mature	old shell	252.925756	1	1.29583625
1994	female	immature	new shell	30.4886696	1	9.9458407
1994	female	mature	new shell	37.4405929	1	9.80471605
1994	female	mature	old shell	436.441168	1	1.16340977
1995	female	immature	new shell	67.4428914	1	6.8856437
1995	female	mature	new shell	37.1078269	1	11.4713744
1995	female	mature	old shell	629.175829	1	0.59805275
1996	female	immature	new shell	68.1458295	1	7.46431729
1996	female	mature	new shell	28.9675424	1	10.3330319
1996	female	mature	old shell	276.408465	1	1.33934659
1997	female	immature	new shell	46.7595138	1	5.61828301
1997	female	mature	new shell	102.042691	1	3.39438995
1997	female	mature	old shell	214.09445	1	2.15993204
1998	female	immature	new shell	157.92154	1	2.55102865
1998	female	mature	new shell	67.6715791	1	5.88415013
1998	female	mature	old shell	255.672111	1	2.69917796
1999	female	immature	new shell	71.3715905	1	4.77968277
1999	female	mature	new shell	21.6543699	1	11.0901814
1999	female	mature	old shell	148.703201	1	2.58392745
2000	female	immature	new shell	82.125309	1	2.92710967
2000	female	mature	new shell	58.5915759	1	4.64264332
2000	female	mature	old shell	36.4499486	1	9.75752721
2001	female	immature	new shell	166.11704	1	2.13354118
2001	female	mature	new shell	147.657489	1	5.1703732
2001	female	mature	old shell	71.0559675	1	4.2356137
2002	female	immature	new shell	50.3864308	1	5.54377662
2002	female	mature	new shell	43.1783248	1	7.76102833
2002	female	mature	old shell	101.524335	1	2.89016236
2003	female	immature	new shell	68.6501577	1	4.67814821
2003	female	mature	new shell	107.162644	1	3.26856537
2003	female	mature	old shell	43.0350083	1	9.81945381
2004	female	immature	new shell	59.1961931	1	6.52489902
2004	female	mature	new shell	183.633394	1	1.42186082
2004	female	mature	old shell	41.7914187	1	10.3764844
2005	female	immature	new shell	314.138806	1	1.7956367
2005	female	mature	new shell	151.185284	1	3.99500515
2005	female	mature	old shell	260.037825	1	2.90509352
2006	female	immature	new shell	54.0198998	1	7.2935062
2006	female	mature	new shell	266.319081	1	2.02397756
2006	female	mature	old shell	118.214058	1	3.7566734
2007	female	immature	new shell	162.875272	1	2.8564915

	2007	female	mature	new shell	66.238124	1	6.39610776
	2007	female	mature	old shell	783.044322	1	0.73494001
	2008	female	immature	new shell	83.7228299	1	4.78578415
	2008	female	mature	new shell	91.2249613	1	4.87515604
	2008	female	mature	old shell	463.797348	1	1.26841111
	2009	female	immature	new shell	23.4005274	1	9.90391742
	2009	female	mature	new shell	39.0735496	1	5.56732732
	2009	female	mature	old shell	406.667387	1	0.96865545
	2010	female	immature	new shell	102.550963	1	4.16956154
	2010	female	mature	new shell	191.939425	1	2.10491969
	2010	female	mature	old shell	973.905901	1	0.89115716
	2011	female	immature	new shell	85.2834282	1	4.72202612
	2011	female	mature	new shell	30.2937199	1	7.63414137
	2011	female	mature	old shell	260.238274	1	2.23907963
	2012	female	immature	new shell	71.0557382	1	5.37605292
	2012	female	mature	new shell	49.2209292	1	5.10720063
	2012	female	mature	old shell	274.044286	1	1.39580311
	2013	female	immature	new shell	101.187725	1	4.62090628
	2013	female	mature	new shell	298.178507	1	1.02331207
	2013	female	mature	old shell	67.3590938	1	4.67495634
	2014	female	immature	new shell	20.8139019	1	18.8702771
	2014	female	mature	new shell	45.384538	1	5.08103663
	2014	female	mature	old shell	88.4238353	1	4.01302612
	2015	female	immature	new shell	85.2176276	1	4.97720766
	2015	female	mature	new shell	16.9343852	1	14.381103
	2015	female	mature	old shell	98.4497614	1	3.49578922
	2016	female	immature	new shell	49.3172258	1	8.62283411
	2016	female	mature	new shell	81.5196432	1	7.30245304
	2016	female	mature	old shell	47.8012076	1	5.71982016
	2017	female	immature	new shell	16.4766265	1	11.5380664
	2017	female	mature	new shell	26.1451123	1	17.3440404
	2017	female	mature	old shell	81.5086081	1	2.8320813
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.18931469	20	0.68096101
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	28.3492992	1	11.6498436
	1981	male	all maturity st	all shell condi	939.856271	1	0.47723856
	1982	male	all maturity st	all shell condi	618.945116	1	1.54381517
	1983	male	all maturity st	all shell condi	56.6061151	1	1.3404967
	1984	male	all maturity st	all shell condi	279.770026	1	0.66658683

	1988	male	all maturity st	all shell condi	98.0129388	1	5.73091509
	1989	male	all maturity st	all shell condi	555.645838	1	0.5182525
	1990	male	all maturity st	all shell condi	187.22364	1	4.32708241
	1991	male	all maturity st	all shell condi	281.682428	1	3.29798706
	1992	male	all maturity st	all shell condi	84.4975869	1	13.5571131
	1993	male	all maturity st	all shell condi	142.101646	1	6.25448298
	1994	male	all maturity st	all shell condi	120.55802	1	9.39259194
	1995	male	all maturity st	all shell condi	271.215593	1	0.46506095
	1996	male	all maturity st	all shell condi	248.40811	1	1.00821251
	2005	male	all maturity st	all shell condi	15.4717051	1	1.38856367
	2006	male	all maturity st	all shell condi	173.337531	1	0.75281451
	2007	male	all maturity st	all shell condi	811.324933	1	0.95678307
	2008	male	all maturity st	all shell condi	429.717307	1	0.72251972
	2009	male	all maturity st	all shell condi	109.261527	1	0.79853185
	2013	male	all maturity st	all shell condi	551.719762	1	0.44164889
	2014	male	all maturity st	all shell condi	384.433056	1	2.24758128
	2015	male	all maturity st	all shell condi	279.664594	1	5.44527431
all		male	all maturity st	all shell condi	0.19535049	20	0.24805178
all		female	all maturity st	all shell condi	0.59784437	20	2.32321629
	1991	male	all maturity st	all shell condi	1469.23876	1	1.04870284
	1991	female	all maturity st	all shell condi	385.409163	1	1.2052164
	1992	male	all maturity st	all shell condi	104.878507	1	23.2803104
	1992	female	all maturity st	all shell condi	803.967171	1	0.38477753
	1993	male	all maturity st	all shell condi	203.01452	1	10.4847301
	1993	female	all maturity st	all shell condi	380.363566	1	0.67230855
	1994	male	all maturity st	all shell condi	607.147314	1	0.91919414
	1994	female	all maturity st	all shell condi	68.674793	1	1.36062331
	1995	male	all maturity st	all shell condi	240.742832	1	1.21082549
	1995	female	all maturity st	all shell condi	111.387006	1	0.9209585
	1996	male	all maturity st	all shell condi	23.9024891	1	1.73197714
	1996	female	all maturity st	all shell condi	166.361223	1	0.06807565
	2005	male	all maturity st	all shell condi	128.852747	1	13.1818716
	2005	female	all maturity st	all shell condi	41.8624326	1	0.97066943
	2006	male	all maturity st	all shell condi	430.172381	1	4.11018819
	2006	female	all maturity st	all shell condi	310.693464	1	0.83372632
	2007	male	all maturity st	all shell condi	677.560274	1	4.39332592
	2007	female	all maturity st	all shell condi	337.235918	1	0.34680957
	2008	male	all maturity st	all shell condi	848.054427	1	4.06438939
	2008	female	all maturity st	all shell condi	44.5794912	1	0.33361001
	2009	male	all maturity st	all shell condi	249.363362	1	5.62225189
	2009	female	all maturity st	all shell condi	23.8778682	1	0.17777705

	2013	male	all maturity st	all shell condi	2592.60129	1	1.2292537
	2013	female	all maturity st	all shell condi	67.9783381	1	0.50053397
	2014	male	all maturity st	all shell condi	322.740664	1	8.54228947
	2014	female	all maturity st	all shell condi	160.770702	1	0.25216038
	2015	male	all maturity st	all shell condi	184.818995	1	10.9675804
	2015	female	all maturity st	all shell condi	75.14252	1	1.20264763
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.08036518	20	0.08073202
all		female	all maturity st	all shell condi	0.3051685	20	1.16409763
	1992	male	all maturity st	all shell condi	180.5214	1	2.1741183
	1992	female	all maturity st	all shell condi	18.2213218	1	1.03164328
	1993	male	all maturity st	all shell condi	405.561971	1	0.58944138
	1993	female	all maturity st	all shell condi	29.9885561	1	1.30035499
	1994	male	all maturity st	all shell condi	148.322722	1	0.82228149
	1994	female	all maturity st	all shell condi	39.9163796	1	1.890588
	1995	male	all maturity st	all shell condi	213.090489	1	0.3656892
	1995	female	all maturity st	all shell condi	38.8763807	1	0.31668171
	1996	male	all maturity st	all shell condi	59.9537281	1	3.23097662
	1996	female	all maturity st	all shell condi	41.1812293	1	0.50169685
	1997	male	all maturity st	all shell condi	536.017731	1	0.75252469
	1997	female	all maturity st	all shell condi	112.707621	1	0.19828958
	1998	male	all maturity st	all shell condi	651.411578	1	0.31130342
	1998	female	all maturity st	all shell condi	20.4868145	1	0.33958808
	1999	male	all maturity st	all shell condi	223.750849	1	0.27166642
	1999	female	all maturity st	all shell condi	31.6774129	1	0.06471933
	2000	male	all maturity st	all shell condi	344.416528	1	0.25855444
	2000	female	all maturity st	all shell condi	37.1788291	1	0.08307065
	2001	male	all maturity st	all shell condi	673.542025	1	0.34769988
	2001	female	all maturity st	all shell condi	163.043179	1	0.04941127
	2002	male	all maturity st	all shell condi	52.6903973	1	0.8644658
	2002	female	all maturity st	all shell condi	46.4834352	1	0.06793471
	2003	male	all maturity st	all shell condi	90.0109006	1	0.42369528
	2003	female	all maturity st	all shell condi	45.3501367	1	0.10274664
	2004	male	all maturity st	all shell condi	21.0528146	1	1.89972123
	2004	female	all maturity st	all shell condi	31.3194923	1	0.85153816
	2005	male	all maturity st	all shell condi	108.316559	1	4.93764242
	2005	female	all maturity st	all shell condi	143.112003	1	0.14536123
	2006	male	all maturity st	all shell condi	73.9336721	1	6.11504117
	2006	female	all maturity st	all shell condi	45.796904	1	1.15880862
	2007	male	all maturity st	all shell condi	307.862157	1	2.51784446

	2007	female	all maturity st	all shell condi	47.5745022	1	0.40968365
	2008	male	all maturity st	all shell condi	88.3135309	1	7.30102994
	2008	female	all maturity st	all shell condi	14.4993407	1	2.27395888
	2009	male	all maturity st	all shell condi	449.45719	1	2.02545296
	2009	female	all maturity st	all shell condi	21.9636215	1	0.92052748
	2010	male	all maturity st	all shell condi	315.775321	1	1.48465356
	2010	female	all maturity st	all shell condi	76.3533882	1	0.19321223
	2011	male	all maturity st	all shell condi	188.94359	1	3.54835898
	2011	female	all maturity st	all shell condi	56.1852607	1	0.18029508
	2012	male	all maturity st	all shell condi	142.281507	1	3.46661142
	2012	female	all maturity st	all shell condi	51.2023838	1	0.16750585
	2013	male	all maturity st	all shell condi	283.561102	1	2.34006673
	2013	female	all maturity st	all shell condi	177.27587	1	0.09917111
	2014	male	all maturity st	all shell condi	378.800934	1	3.42980224
	2014	female	all maturity st	all shell condi	56.2198333	1	0.49348056
	2015	male	all maturity st	all shell condi	520.451312	1	1.8596153
	2015	female	all maturity st	all shell condi	116.465594	1	0.09387623
	2016	male	all maturity st	all shell condi	358.171949	1	2.86302578
	2016	female	all maturity st	all shell condi	112.865035	1	0.09878628
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.05326539	20	0.06241844
	1973	male	all maturity st	all shell condi	472.946796	1	-2.4778957
	1973	female	all maturity st	all shell condi	274.450165	1	4.44309318
	1974	male	all maturity st	all shell condi	164.197055	1	0.13233906
	1974	female	all maturity st	all shell condi	275.951071	1	2.76726212
	1975	male	all maturity st	all shell condi	129.277718	1	0.17477286
	1975	female	all maturity st	all shell condi	201.871707	1	1.89227633
	1976	male	all maturity st	all shell condi	78.1350713	1	-1.1175947
	1976	female	all maturity st	all shell condi	106.754765	1	22.1002387
	1977	male	all maturity st	all shell condi	130.410899	1	0.5079588
	1977	female	all maturity st	all shell condi	181.217853	1	16.9050959
	1978	male	all maturity st	all shell condi	164.342178	1	1.91363663
	1978	female	all maturity st	all shell condi	152.881571	1	24.2863303
	1979	male	all maturity st	all shell condi	591.211311	1	-3.5183513
	1979	female	all maturity st	all shell condi	411.524121	1	11.3219277
	1980	male	all maturity st	all shell condi	708.075749	1	4.42143171
	1980	female	all maturity st	all shell condi	856.555169	1	0.54421275
	1981	male	all maturity st	all shell condi	658.592127	1	-4.2516931
	1981	female	all maturity st	all shell condi	72.1230473	1	11.8479306
	1982	male	all maturity st	all shell condi	540.73144	1	0.96692783
	1982	female	all maturity st	all shell condi	88.8634812	1	17.2599651

1983	male	all maturity st	all shell condi	421.37233	1	22.0247734
1983	female	all maturity st	all shell condi	323.173605	1	-6.9300311
1984	male	all maturity st	all shell condi	492.0233	1	25.0976826
1984	female	all maturity st	all shell condi	558.121037	1	-11.450613
1985	male	all maturity st	all shell condi	224.550571	1	18.3694289
1985	female	all maturity st	all shell condi	308.817523	1	-2.0693302
1986	male	all maturity st	all shell condi	263.623314	1	11.9935686
1986	female	all maturity st	all shell condi	125.311203	1	3.36822885
1987	male	all maturity st	all shell condi	207.448176	1	21.7621757
1987	female	all maturity st	all shell condi	895.719163	1	1.49561634
1988	male	all maturity st	all shell condi	223.41695	1	7.22259627
1988	female	all maturity st	all shell condi	218.557446	1	9.03728752
1989	male	all maturity st	all shell condi	494.298522	1	-0.5344632
1989	female	all maturity st	all shell condi	917.353147	1	12.8506272
1990	male	all maturity st	all shell condi	997.09106	1	16.0672158
1990	female	all maturity st	all shell condi	325.691582	1	-7.9277844
1991	male	all maturity st	all shell condi	312.166109	1	1.17302315
1991	female	all maturity st	all shell condi	169.156069	1	7.01026875
1992	male	all maturity st	all shell condi	169.546798	1	5.31706035
1992	female	all maturity st	all shell condi	63.6069686	1	2.87442937
1993	male	all maturity st	all shell condi	68.8634452	1	4.07412914
1993	female	all maturity st	all shell condi	106.518065	1	-0.5367943
1994	male	all maturity st	all shell condi	246.927351	1	3.01843558
1994	female	all maturity st	all shell condi	384.349256	1	0.72350582
1995	male	all maturity st	all shell condi	63.3072627	1	11.2247697
1995	female	all maturity st	all shell condi	66.019913	1	3.69171257
1996	male	all maturity st	all shell condi	178.860054	1	13.217337
1996	female	all maturity st	all shell condi	359.566069	1	-4.4694312
1997	male	all maturity st	all shell condi	53.0268884	1	20.5882989
1997	female	all maturity st	all shell condi	157.231992	1	6.29760692
1998	male	all maturity st	all shell condi	125.039859	1	8.7418616
1998	female	all maturity st	all shell condi	229.409315	1	8.382757
1999	male	all maturity st	all shell condi	309.481535	1	5.9578356
1999	female	all maturity st	all shell condi	660.185984	1	3.15640715
2000	male	all maturity st	all shell condi	266.91639	1	7.70540456
2000	female	all maturity st	all shell condi	428.710954	1	1.16004716
2001	male	all maturity st	all shell condi	510.353594	1	9.89055078
2001	female	all maturity st	all shell condi	1127.45168	1	-3.5901463
2002	male	all maturity st	all shell condi	413.740887	1	10.8042988
2002	female	all maturity st	all shell condi	755.974099	1	-0.2232188
2003	male	all maturity st	all shell condi	208.321344	1	4.11675958

	2003	female	all maturity st	all shell condi	327.92836	1	4.30307015
	2004	male	all maturity st	all shell condi	110.784316	1	-2.4862499
	2004	female	all maturity st	all shell condi	32.1854005	1	38.9246572
	2005	male	all maturity st	all shell condi	1152.22232	1	4.76019094
	2005	female	all maturity st	all shell condi	1597.65078	1	0.72869089
	2006	male	all maturity st	all shell condi	176.961092	1	13.4981976
	2006	female	all maturity st	all shell condi	182.148655	1	2.23419635
	2007	male	all maturity st	all shell condi	166.648025	1	10.795259
	2007	female	all maturity st	all shell condi	105.780035	1	8.01681011
	2008	male	all maturity st	all shell condi	158.5942	1	26.9078015
	2008	female	all maturity st	all shell condi	218.626818	1	-9.1106178
	2009	male	all maturity st	all shell condi	306.532353	1	13.8676797
	2009	female	all maturity st	all shell condi	542.172783	1	-7.1479103
	2010	male	all maturity st	all shell condi	477.092539	1	6.89155998
	2010	female	all maturity st	all shell condi	1353.50304	1	-2.9969777
	2011	male	all maturity st	all shell condi	90.6140467	1	10.2186505
	2011	female	all maturity st	all shell condi	73.8514563	1	19.7716522
	2012	male	all maturity st	all shell condi	274.780415	1	-6.4319297
	2012	female	all maturity st	all shell condi	138.013762	1	12.9043583
	2013	male	all maturity st	all shell condi	223.287306	1	2.51544418
	2013	female	all maturity st	all shell condi	745.105515	1	9.15205272
	2014	male	all maturity st	all shell condi	976.845375	1	9.48333764
	2014	female	all maturity st	all shell condi	735.647032	1	-5.713119
	2015	male	all maturity st	all shell condi	219.592525	1	14.7093612
	2015	female	all maturity st	all shell condi	314.897309	1	1.11444394
	2016	male	all maturity st	all shell condi	205.870903	1	-4.0425554
	2016	female	all maturity st	all shell condi	51.9689579	1	26.060797
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.16859301	20	0.32687143
all		female	all maturity st	all shell condi	0.00929296	20	0.00099313
	1992	male	all maturity st	all shell condi	39.234457	1	2.32867166
	1992	female	all maturity st	all shell condi	77.4052798	1	0.12897601
	1993	male	all maturity st	all shell condi	52.6005492	1	5.6275184
	1993	female	all maturity st	all shell condi	315.520349	1	0.24408941
	1996	male	all maturity st	all shell condi	21.3593683	1	0.27172268
	1996	female	all maturity st	all shell condi	3.47047724	1	0.03190434
	1997	male	all maturity st	all shell condi	26.6579421	1	1.7734897
	1997	female	all maturity st	all shell condi	24.9045308	1	0.06202485
	1998	male	all maturity st	all shell condi	72.7144194	1	0.31606521
	1998	female	all maturity st	all shell condi	21.1932879	1	0.07038147

1999	male	all maturity st	all shell condi	50.1562135	1	0.29958435
1999	female	all maturity st	all shell condi	18.3604347	1	0.02680124
2000	male	all maturity st	all shell condi	133.209831	1	0.74315231
2000	female	all maturity st	all shell condi	41.7653751	1	0.06262331
2001	male	all maturity st	all shell condi	110.3899	1	0.31804915
2001	female	all maturity st	all shell condi	53.4913458	1	0.03358831
2002	male	all maturity st	all shell condi	96.4804336	1	0.5354243
2002	female	all maturity st	all shell condi	39.7273022	1	0.04626448
2003	male	all maturity st	all shell condi	80.7445328	1	0.51830425
2003	female	all maturity st	all shell condi	52.8523688	1	0.09423826
2004	male	all maturity st	all shell condi	40.0372297	1	0.68717386
2004	female	all maturity st	all shell condi	22.3994431	1	0.05406729
2005	male	all maturity st	all shell condi	45.2679741	1	1.65410815
2005	female	all maturity st	all shell condi	13.4623379	1	0.16460603
2006	male	all maturity st	all shell condi	22.6905219	1	2.13234306
2006	female	all maturity st	all shell condi	26.4050276	1	0.25512639
2007	male	all maturity st	all shell condi	91.0297339	1	1.18302289
2007	female	all maturity st	all shell condi	104.409922	1	0.08809223
2008	male	all maturity st	all shell condi	66.673556	1	2.68880378
2008	female	all maturity st	all shell condi	106.095553	1	0.11347445
2009	male	all maturity st	all shell condi	23.3348134	1	6.32953699
2009	female	all maturity st	all shell condi	122.4735	1	0.04796093
2010	male	all maturity st	all shell condi	51.4229614	1	0.87231783
2010	female	all maturity st	all shell condi	35.9845975	1	0.04560964
2011	male	all maturity st	all shell condi	70.916346	1	0.33303315
2011	female	all maturity st	all shell condi	5.49699901	1	0.02119346
2012	male	all maturity st	all shell condi	69.9942183	1	0.62946366
2012	female	all maturity st	all shell condi	6.50724015	1	0.22769294
2013	male	all maturity st	all shell condi	66.6839059	1	1.63963939
2013	female	all maturity st	all shell condi	9.65192468	1	0.17703214
2014	male	all maturity st	all shell condi	155.200413	1	1.18955972
2014	female	all maturity st	all shell condi	21.2181097	1	0.07176402
2015	male	all maturity st	all shell condi	170.687262	1	0.83898255
2015	female	all maturity st	all shell condi	96.8283926	1	0.07502067
2016	male	all maturity st	all shell condi	22.4496542	1	7.76133543
2016	female	all maturity st	all shell condi	20.1231003	1	0.5079189
2015	male	immature	new shell	0.5235218	1	90.626922
2016	male	immature	new shell	0.5235218	1	101.942524
2015	female	immature	new shell	0.39751544	1	74.3483938
2016	female	immature	new shell	0.39751544	1	65.2821747
1994	male	immature	new shell	0.54159315	0	12.4834363

1995	male	immature	new shell	0.54159315	0	29.116643
1996	male	immature	new shell	0.54159315	0	341.81782
1997	male	immature	new shell	0.54159315	0	442.335072
1998	male	immature	new shell	0.54159315	0	452.832132
1999	male	immature	new shell	0.54159315	0	422.933413
2000	male	immature	new shell	0.54159315	0	700.072054
2001	male	immature	new shell	0.54159315	0	810.527205
2002	male	immature	new shell	0.54159315	0	715.288356
2003	male	immature	new shell	0.54159315	0	242.137634
2004	male	immature	new shell	0.54159315	0	163.079602
2005	male	immature	new shell	0.54159315	0	82.4811542
2006	male	immature	new shell	0.54159315	0	9.78076037
2011	male	immature	new shell	0.54159315	0	2.02532546
2012	male	immature	new shell	0.54159315	0	2.73490551
1994	female	immature	new shell	0.52759338	0	16.2326607
1995	female	immature	new shell	0.52759338	0	16.2672005
1996	female	immature	new shell	0.52759338	0	219.555323
1997	female	immature	new shell	0.52759338	0	170.916411
1998	female	immature	new shell	0.52759338	0	237.254146
1999	female	immature	new shell	0.52759338	0	326.740209
2000	female	immature	new shell	0.52759338	0	606.689911
2001	female	immature	new shell	0.52759338	0	561.797604
2002	female	immature	new shell	0.52759338	0	324.650213
2003	female	immature	new shell	0.52759338	0	92.4600259
2004	female	immature	new shell	0.52759338	0	100.352724
2005	female	immature	new shell	0.52759338	0	23.5604192
2006	female	immature	new shell	0.52759338	0	7.25641069
2012	female	immature	new shell	0.52759338	0	2.29001479
1990	male		new shell	4.50356732	1	56.1738324
1991	male		new shell	4.50356732	1	59.4839392
1992	male		new shell	4.50356732	1	18.8879384
1993	male		new shell	4.50356732	1	29.0149247
1994	male		new shell	4.50356732	1	22.7547933
1995	male		new shell	4.50356732	1	13.8277111
1997	male		new shell	4.50356732	1	9.70661686
1998	male		new shell	4.50356732	1	27.1430541
1999	male		new shell	4.50356732	1	11.9667332
2000	male		new shell	4.50356732	1	21.8020051
2001	male		new shell	4.50356732	1	27.1541393
2002	male		new shell	4.50356732	1	20.100385
2003	male		new shell	4.50356732	1	13.1739899

	2004	male		new shell	4.50356732	1	18.6995683
	2005	male		new shell	4.50356732	1	66.3244816
	2008	male		new shell	4.50356732	1	56.3340228
	2010	male		new shell	4.50356732	1	69.5894229
	2012	male		new shell	4.50356732	1	15.4437398
	2014	male		new shell	4.50356732	1	26.1571678
	2016	male		new shell	4.50356732	1	39.0047459
	2017	male		new shell	4.50356732	1	17.7586158
all		male	immature	new shell	0.09975135	1	953.243892
all		male	mature	new shell	0.09975135	1	953.243892
all		male	immature	old shell	0.09975135	1	953.243892
all		male	mature	old shell	0.09975135	1	953.243892
all		female	immature	new shell	0.09975135	1	953.243892
all		female	mature	new shell	0.09975135	1	953.243892
all		female	immature	old shell	0.09975135	1	953.243892
all		female	mature	old shell	0.09975135	1	953.243892
all		male	immature	new shell	0.09975135	1	513.679651
all		male	mature	new shell	0.09975135	1	513.679651
all		male	immature	old shell	0.09975135	1	513.679651
all		male	mature	old shell	0.09975135	1	513.679651
all		female	immature	new shell	0.09975135	1	513.679651
all		female	mature	new shell	0.09975135	1	513.679651
all		female	immature	old shell	0.09975135	1	513.679651
all		female	mature	old shell	0.09975135	1	513.679651
all		male	immature	all shell condi	3.2719476	0	230.171284
all		male	mature	all shell condi	2.58834499	0	144.03989
all		female	immature	all shell condi	2.97940274	0	190.852074
all		female	mature	all shell condi	2.37747492	0	121.52632
all		male	mature	all shell condi	2.29149464	0	112.895375
all		female	mature	all shell condi	2.21767226	0	105.73851
	1975	male	immature	all shell condi	654.254704	0	11.220744
	1975	male	mature	all shell condi	93.7101528	0	33.1798497
	1975	female	immature	all shell condi	179.530303	0	9.97299395
	1975	female	mature	all shell condi	115.954364	0	-12.878574
	1976	male	immature	all shell condi	238.924506	0	19.7575447
	1976	male	mature	all shell condi	152.071126	0	-8.2960445
	1976	female	immature	all shell condi	57.2914081	0	30.414253
	1976	female	mature	all shell condi	186.028953	0	-8.7704315
	1977	male	immature	all shell condi	129.734008	0	15.6424733
	1977	male	mature	all shell condi	112.157238	0	-15.636553
	1977	female	immature	all shell condi	18.8101324	0	64.6498392

1977	female	mature	all shell condi	417.599233	0	-7.583208
1978	male	immature	all shell condi	291.672604	0	7.88538096
1978	male	mature	all shell condi	191.965294	0	-8.2276571
1978	female	immature	all shell condi	39.5285612	0	33.4353307
1978	female	mature	all shell condi	1150.14683	0	-4.8383465
1979	male	immature	all shell condi	105.716519	0	22.2767859
1979	male	mature	all shell condi	165.114906	0	-13.163838
1979	female	immature	all shell condi	293.197517	0	1.8184775
1979	female	mature	all shell condi	69.3472332	0	24.4922475
1980	male	immature	all shell condi	74.9420935	0	33.6117419
1980	male	mature	all shell condi	106.35973	0	-15.534201
1980	female	immature	all shell condi	475.284201	0	5.81473399
1980	female	mature	all shell condi	43.4603043	0	23.0501933
1981	male	immature	all shell condi	607.024338	0	4.50363428
1981	male	mature	all shell condi	214.619158	0	-15.636734
1981	female	immature	all shell condi	211.297002	0	-4.7414151
1981	female	mature	all shell condi	19.362345	0	73.3926882
1982	male	immature	all shell condi	171.49073	0	-14.130066
1982	male	mature	all shell condi	296.812107	0	-12.23099
1982	female	immature	all shell condi	105.891805	0	-8.2401708
1982	female	mature	all shell condi	5.87161608	0	150.609084
1983	male	immature	all shell condi	136.421789	0	7.14280137
1983	male	mature	all shell condi	436.817359	0	-5.4106372
1983	female	immature	all shell condi	141.592736	0	8.00813238
1983	female	mature	all shell condi	77.6380852	0	24.8859731
1984	male	immature	all shell condi	264.280629	0	-12.080817
1984	male	mature	all shell condi	252.423139	0	13.7937061
1984	female	immature	all shell condi	127.865932	0	-7.8811109
1984	female	mature	all shell condi	46.7946452	0	37.905025
1985	male	immature	all shell condi	144.951251	0	-17.518496
1985	male	mature	all shell condi	66.3400771	0	37.471904
1985	female	immature	all shell condi	69.469904	0	-21.974892
1985	female	mature	all shell condi	29.4150807	0	52.3579307
1986	male	immature	all shell condi	346.079191	0	7.83618924
1986	male	mature	all shell condi	99.761641	0	24.2838164
1986	female	immature	all shell condi	114.970399	0	-9.1495055
1986	female	mature	all shell condi	227.672988	0	2.41745257
1987	male	immature	all shell condi	180.380703	0	6.7541359
1987	male	mature	all shell condi	986.130262	0	4.99738007
1987	female	immature	all shell condi	46.804928	0	50.8030183
1987	female	mature	all shell condi	203.203179	0	-4.8477753

1988	male	immature	all shell condi	504.532579	0	2.18361281
1988	male	mature	all shell condi	581.459369	0	10.3849655
1988	female	immature	all shell condi	168.150358	0	-8.9841158
1988	female	mature	all shell condi	104.042216	0	18.1940169
1989	male	immature	all shell condi	254.264604	0	8.26745609
1989	male	mature	all shell condi	737.502117	0	3.26634665
1989	female	immature	all shell condi	159.355363	0	10.6218168
1989	female	mature	all shell condi	204.879947	0	-5.1441299
1990	male	immature	all shell condi	620.900045	0	0.01722306
1990	male	mature	all shell condi	603.636909	0	-4.4213153
1990	female	immature	all shell condi	272.908295	0	4.95841113
1990	female	mature	all shell condi	337.545024	0	12.3237366
1991	male	immature	all shell condi	247.366479	0	7.94493986
1991	male	mature	all shell condi	641.593334	0	-8.329241
1991	female	immature	all shell condi	132.134203	0	8.29615724
1991	female	mature	all shell condi	755.502569	0	10.1882512
1992	male	immature	all shell condi	555.720277	0	10.3862918
1992	male	mature	all shell condi	316.959796	0	1.88964822
1992	female	immature	all shell condi	363.001355	0	3.28407274
1992	female	mature	all shell condi	3299.60753	0	-1.9678313
1993	male	immature	all shell condi	362.464367	0	18.0858103
1993	male	mature	all shell condi	481.417677	0	3.63838291
1993	female	immature	all shell condi	626.519325	0	3.22584082
1993	female	mature	all shell condi	293.932768	0	-13.563451
1994	male	immature	all shell condi	267.444429	0	11.5327806
1994	male	mature	all shell condi	622.281907	0	-2.6905032
1994	female	immature	all shell condi	87.544642	0	17.5767699
1994	female	mature	all shell condi	501.658883	0	-10.822505
1995	male	immature	all shell condi	370.817307	0	-4.5349868
1995	male	mature	all shell condi	524.264632	0	1.61920407
1995	female	immature	all shell condi	278.752723	0	-4.7278733
1995	female	mature	all shell condi	134.234338	0	24.1269853
1996	male	immature	all shell condi	595.369565	0	-1.9795863
1996	male	mature	all shell condi	589.383226	0	4.80764228
1996	female	immature	all shell condi	268.336828	0	-3.5771023
1996	female	mature	all shell condi	297.449852	0	13.0136783
1997	male	immature	all shell condi	213.515083	0	10.5335107
1997	male	mature	all shell condi	1071.93249	0	-6.6934156
1997	female	immature	all shell condi	74.9098305	0	23.6291764
1997	female	mature	all shell condi	394.301339	0	-9.1237673
1998	male	immature	all shell condi	99.972038	0	24.6374833

1998	male	mature	all shell condi	1250.04847	0	-5.7839774
1998	female	immature	all shell condi	170.710068	0	21.0275631
1998	female	mature	all shell condi	119.98238	0	-12.479638
1999	male	immature	all shell condi	132.730382	0	18.8011527
1999	male	mature	all shell condi	842.139055	0	-1.2038663
1999	female	immature	all shell condi	165.820778	0	10.8196148
1999	female	mature	all shell condi	262.553018	0	-7.737678
2000	male	immature	all shell condi	135.471918	0	13.0407587
2000	male	mature	all shell condi	2267.80931	0	2.47196263
2000	female	immature	all shell condi	269.793122	0	2.83394247
2000	female	mature	all shell condi	301.814861	0	-4.4990655
2001	male	immature	all shell condi	187.413694	0	17.4847299
2001	male	mature	all shell condi	691.301105	0	-5.5643505
2001	female	immature	all shell condi	280.682403	0	13.0232785
2001	female	mature	all shell condi	267.846444	0	-6.4091376
2002	male	immature	all shell condi	123.492321	0	13.0776475
2002	male	mature	all shell condi	1454.45004	0	-2.7633158
2002	female	immature	all shell condi	105.95699	0	16.8112344
2002	female	mature	all shell condi	540.423315	0	-5.3572372
2003	male	immature	all shell condi	303.059628	0	8.87707215
2003	male	mature	all shell condi	2289.43745	0	1.61532597
2003	female	immature	all shell condi	218.622217	0	-5.0621071
2003	female	mature	all shell condi	311.713232	0	8.07646259
2004	male	immature	all shell condi	179.756606	0	6.4265816
2004	male	mature	all shell condi	516.634298	0	11.8126242
2004	female	immature	all shell condi	152.445272	0	11.3501055
2004	female	mature	all shell condi	258.515625	0	-5.4387062
2005	male	immature	all shell condi	300.573497	0	4.21453372
2005	male	mature	all shell condi	1701.26492	0	-4.1453897
2005	female	immature	all shell condi	241.778875	0	18.0521592
2005	female	mature	all shell condi	1022.76952	0	-4.0891835
2006	male	immature	all shell condi	328.21073	0	11.6084191
2006	male	mature	all shell condi	1259.28554	0	1.68452799
2006	female	immature	all shell condi	204.09498	0	9.99170517
2006	female	mature	all shell condi	465.614522	0	-6.9921717
2007	male	immature	all shell condi	216.892566	0	26.2723252
2007	male	mature	all shell condi	781.708211	0	3.91943977
2007	female	immature	all shell condi	1014.27924	0	0.1310331
2007	female	mature	all shell condi	160.030562	0	-12.3813
2008	male	immature	all shell condi	729.110209	0	11.4504619
2008	male	mature	all shell condi	1065.50393	0	3.78670102

	2008	female	immature	all shell condi	625.212844	0	1.91054942
	2008	female	mature	all shell condi	505.391904	0	-8.3383457
	2009	male	immature	all shell condi	176.424467	0	6.01851968
	2009	male	mature	all shell condi	579.965695	0	7.91360127
	2009	female	immature	all shell condi	82.9588953	0	1.11524663
	2009	female	mature	all shell condi	1726.18213	0	1.88220142
	2010	male	immature	all shell condi	502.744805	0	2.77897605
	2010	male	mature	all shell condi	415.982136	0	13.0192535
	2010	female	immature	all shell condi	232.9293	0	-4.1948897
	2010	female	mature	all shell condi	3215.31384	0	-2.5873329
	2011	male	immature	all shell condi	394.198267	0	11.6516731
	2011	male	mature	all shell condi	2418.46594	0	0.7220055
	2011	female	immature	all shell condi	258.927038	0	7.88042984
	2011	female	mature	all shell condi	250.66423	0	-6.3839466
	2012	male	immature	all shell condi	318.837031	0	18.0861567
	2012	male	mature	all shell condi	1373.402	0	0.09166999
	2012	female	immature	all shell condi	289.43866	0	0.98671038
	2012	female	mature	all shell condi	471.154204	0	-5.4032491
	2013	male	immature	all shell condi	725.190169	0	11.6786894
	2013	male	mature	all shell condi	388.528373	0	4.33631549
	2013	female	immature	all shell condi	561.877609	0	1.20623514
	2013	female	mature	all shell condi	929.208321	0	-5.2657978
	2014	male	immature	all shell condi	339.643633	0	16.5987867
	2014	male	mature	all shell condi	654.184093	0	2.06132429
	2014	female	immature	all shell condi	103.472095	0	14.8692657
	2014	female	mature	all shell condi	293.700307	0	-10.906317
	2015	male	immature	all shell condi	880.760825	0	9.24142015
	2015	male	mature	all shell condi	749.762208	0	2.15387054
	2015	female	immature	all shell condi	646.683989	0	2.50466033
	2015	female	mature	all shell condi	361.446321	0	-2.1570674
	2016	male	immature	all shell condi	474.957805	0	8.87808994
	2016	male	mature	all shell condi	185.93008	0	21.962456
	2016	female	immature	all shell condi	416.030205	0	-0.5005013
	2016	female	mature	all shell condi	244.211103	0	-8.5798403
	2017	male	immature	all shell condi	103.05211	0	-1.271842
	2017	male	mature	all shell condi	120.60977	0	28.7349283
	2017	female	immature	all shell condi	78.7001482	0	1.61037768
	2017	female	mature	all shell condi	556.38865	0	1.77312193
all		male	all maturity st	new shell	3.35754744	0	242.372183
all		male	all maturity st	old shell	4.57907415	0	450.810282
all		female	all maturity st	new shell	0	0	0

all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	2.58129626	1	143.256443
all		male	all maturity st	old shell	3.67540604	1	290.435106
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
	1975	male	all maturity st	new shell	75.8797037	1	24.3165159
	1975	male	all maturity st	old shell	30.3581668	1	36.4562457
	1976	male	all maturity st	new shell	200.560955	1	7.63772213
	1976	male	all maturity st	old shell	21.7129521	1	52.9787863
	1977	male	all maturity st	new shell	83.6189445	1	14.793101
	1977	male	all maturity st	old shell	91.3127872	1	15.316271
	1978	male	all maturity st	new shell	153.698024	1	8.54330246
	1978	male	all maturity st	old shell	65.2670966	1	19.3501883
	1979	male	all maturity st	new shell	71.2233934	1	12.7440824
	1979	male	all maturity st	old shell	45.3329197	1	27.592809
	1980	male	all maturity st	new shell	50.218901	1	17.7867664
	1980	male	all maturity st	old shell	43.4051755	1	27.5671158
	1981	male	all maturity st	new shell	75.2374436	1	15.0786111
	1981	male	all maturity st	old shell	33.261637	1	29.9198018
	1982	male	all maturity st	new shell	66.9695805	1	17.4171654
	1982	male	all maturity st	old shell	320.679949	1	4.46383207
	1983	male	all maturity st	new shell	44.6599069	1	21.8603122
	1983	male	all maturity st	old shell	85.4714544	1	14.153878
	1984	male	all maturity st	new shell	88.1278749	1	7.15721189
	1984	male	all maturity st	old shell	57.5931413	1	18.8294265
	1985	male	all maturity st	new shell	81.4098454	1	13.7554314
	1985	male	all maturity st	old shell	50.2033094	1	24.6847694
	1986	male	all maturity st	new shell	92.7620297	1	12.2546792
	1986	male	all maturity st	old shell	99.18488	1	11.7202767
	1987	male	all maturity st	new shell	71.8333134	1	11.4422872
	1987	male	all maturity st	old shell	181.79035	1	10.6394968
	1988	male	all maturity st	new shell	128.016102	1	8.67536918
	1988	male	all maturity st	old shell	207.120088	1	9.60662243
	1989	male	all maturity st	new shell	139.410752	1	8.25328622
	1989	male	all maturity st	old shell	435.507557	1	6.25462518
	1990	male	all maturity st	new shell	290.784277	1	4.58109444
	1990	male	all maturity st	old shell	248.975735	1	6.65463055
	1991	male	all maturity st	new shell	134.214833	1	9.3052645
	1991	male	all maturity st	old shell	228.363239	1	6.86331167
	1992	male	all maturity st	new shell	198.879229	1	6.36983254
	1992	male	all maturity st	old shell	85.6286117	1	11.7107975

1993	male	all maturity st	new shell	464.118466	1	2.75008218
1993	male	all maturity st	old shell	152.521852	1	6.05272034
1994	male	all maturity st	new shell	194.25342	1	5.25346609
1994	male	all maturity st	old shell	128.79222	1	7.34823252
1995	male	all maturity st	new shell	97.5513108	1	9.10692374
1995	male	all maturity st	old shell	109.067117	1	9.61215205
1996	male	all maturity st	new shell	134.827885	1	10.4022508
1996	male	all maturity st	old shell	91.0082	1	9.79253444
1997	male	all maturity st	new shell	107.64025	1	8.63927738
1997	male	all maturity st	old shell	307.719057	1	6.44354486
1998	male	all maturity st	new shell	75.0142868	1	11.2057712
1998	male	all maturity st	old shell	326.273125	1	5.41030912
1999	male	all maturity st	new shell	92.8777103	1	8.99423133
1999	male	all maturity st	old shell	116.959036	1	10.3996728
2000	male	all maturity st	new shell	96.1916059	1	6.02295335
2000	male	all maturity st	old shell	176.825823	1	8.62934309
2001	male	all maturity st	new shell	119.373459	1	9.00257576
2001	male	all maturity st	old shell	287.29472	1	7.51372579
2002	male	all maturity st	new shell	52.5537277	1	14.7960052
2002	male	all maturity st	old shell	405.5041	1	4.86815647
2003	male	all maturity st	new shell	140.910632	1	7.52837514
2003	male	all maturity st	old shell	290.694948	1	6.94346988
2004	male	all maturity st	new shell	87.4017911	1	10.0602942
2004	male	all maturity st	old shell	60.5541502	1	34.4816
2005	male	all maturity st	new shell	128.16996	1	8.09579745
2005	male	all maturity st	old shell	477.782423	1	5.779828
2006	male	all maturity st	new shell	133.798047	1	9.47075055
2006	male	all maturity st	old shell	378.259494	1	7.52950814
2007	male	all maturity st	new shell	270.046289	1	5.98883369
2007	male	all maturity st	old shell	258.751114	1	11.9040426
2008	male	all maturity st	new shell	532.148918	1	2.80772497
2008	male	all maturity st	old shell	160.346906	1	11.0514241
2009	male	all maturity st	new shell	57.2689902	1	11.7369613
2009	male	all maturity st	old shell	137.903714	1	8.63058033
2010	male	all maturity st	new shell	93.5793283	1	11.3927046
2010	male	all maturity st	old shell	217.954646	1	6.56254018
2011	male	all maturity st	new shell	243.278606	1	3.16909137
2011	male	all maturity st	old shell	199.852531	1	7.98870345
2012	male	all maturity st	new shell	315.034693	1	2.74071468
2012	male	all maturity st	old shell	153.508627	1	8.38403052
2013	male	all maturity st	new shell	199.373035	1	5.91546911

	2013	male	all maturity st	old shell	251.83439	1	9.39435421
	2014	male	all maturity st	new shell	251.966054	1	6.19919331
	2014	male	all maturity st	old shell	154.358612	1	8.20184206
	2015	male	all maturity st	new shell	596.784655	1	4.1581969
	2015	male	all maturity st	old shell	204.023726	1	6.89653375
	2016	male	all maturity st	new shell	195.331636	1	8.17239604
	2016	male	all maturity st	old shell	117.774042	1	10.7901284
	2017	male	all maturity st	new shell	28.4861369	1	14.6700173
	2017	male	all maturity st	old shell	105.405704	1	10.9319557
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	2.97940274	0	190.852074
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.44306187	0	128.323853
all		female	mature	old shell	2.82784233	0	171.928883
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.64255685	1	150.136794
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.2860092	1	112.355518
all		female	mature	old shell	2.62960049	1	148.668173
	1975	female	immature	new shell	26.6108669	1	16.1801992
	1975	female	mature	new shell	143.441298	1	2.62679734
	1975	female	mature	old shell	11.8641917	1	20.9237408
	1976	female	immature	new shell	36.5326103	1	9.39131175
	1976	female	mature	new shell	255.931742	1	2.18529443
	1976	female	mature	old shell	13.4162405	1	21.0058458
	1977	female	immature	new shell	28.5677136	1	10.9719176
	1977	female	mature	new shell	406.726477	1	2.37170963
	1977	female	mature	old shell	46.2898792	1	7.48274726
	1978	female	immature	new shell	23.8886316	1	11.6743798
	1978	female	mature	new shell	94.8828132	1	2.88800636
	1978	female	mature	old shell	91.98506	1	3.5621163
	1979	female	immature	new shell	37.0854656	1	6.16620742
	1979	female	mature	new shell	23.595585	1	14.8393029
	1979	female	mature	old shell	54.3026122	1	5.751009
	1980	female	immature	new shell	105.253104	1	3.64334594

1980	female	mature	new shell	9.08603805	1	24.9631164
1980	female	mature	old shell	46.5857191	1	5.24503747
1981	female	immature	new shell	36.1962168	1	11.9143563
1981	female	mature	new shell	8.1055419	1	40.0736825
1981	female	mature	old shell	176.711849	1	4.28562168
1982	female	immature	new shell	46.1435934	1	16.2971874
1982	female	mature	new shell	8.20041578	1	28.3122591
1982	female	mature	old shell	23.1284031	1	11.5194808
1983	female	immature	new shell	34.1337821	1	9.31437222
1983	female	mature	new shell	57.4076333	1	7.03334794
1983	female	mature	old shell	68.313299	1	3.93290457
1984	female	immature	new shell	30.1590622	1	6.99211428
1984	female	mature	new shell	29.7058908	1	7.41992955
1984	female	mature	old shell	219.813317	1	2.01768557
1985	female	immature	new shell	85.5838641	1	5.15999352
1985	female	mature	new shell	13.3511537	1	35.5005421
1985	female	mature	old shell	261.698776	1	2.15333788
1986	female	immature	new shell	57.269423	1	7.30167765
1986	female	mature	new shell	8.12537129	1	30.3150226
1986	female	mature	old shell	34.2530909	1	9.11114663
1987	female	immature	new shell	17.3552735	1	37.4925469
1987	female	mature	new shell	37.8638789	1	10.3101542
1987	female	mature	old shell	23.5614607	1	16.7129249
1988	female	immature	new shell	81.9552526	1	7.31216708
1988	female	mature	new shell	15.3488598	1	22.9541871
1988	female	mature	old shell	38.0248056	1	9.85553263
1989	female	immature	new shell	55.5111046	1	4.57013859
1989	female	mature	new shell	32.5069859	1	9.85474047
1989	female	mature	old shell	46.3366258	1	9.73785644
1990	female	immature	new shell	54.5887007	1	6.09208685
1990	female	mature	new shell	165.178323	1	2.34565331
1990	female	mature	old shell	44.5979377	1	8.95013599
1991	female	immature	new shell	18.5159263	1	16.0377774
1991	female	mature	new shell	91.3501367	1	3.12879077
1991	female	mature	old shell	201.158907	1	2.51189281
1992	female	immature	new shell	33.6622188	1	12.2398435
1992	female	mature	new shell	50.592582	1	7.27232366
1992	female	mature	old shell	207.764751	1	2.04037564
1993	female	immature	new shell	66.2259001	1	6.59327366
1993	female	mature	new shell	23.2362034	1	11.6321913
1993	female	mature	old shell	253.113456	1	1.29726761

1994	female	immature	new shell	30.3724306	1	10.0172281
1994	female	mature	new shell	38.3951421	1	9.63029545
1994	female	mature	old shell	433.773923	1	1.16934106
1995	female	immature	new shell	68.8386062	1	6.80824
1995	female	mature	new shell	36.1412524	1	11.6413906
1995	female	mature	old shell	630.773884	1	0.59828549
1996	female	immature	new shell	68.2390683	1	7.4147003
1996	female	mature	new shell	28.742946	1	10.39547
1996	female	mature	old shell	276.092899	1	1.341322
1997	female	immature	new shell	46.2081855	1	5.70644243
1997	female	mature	new shell	103.437272	1	3.36632537
1997	female	mature	old shell	213.59263	1	2.16461148
1998	female	immature	new shell	162.194464	1	2.44557089
1998	female	mature	new shell	67.7417521	1	5.88559089
1998	female	mature	old shell	255.556653	1	2.70000782
1999	female	immature	new shell	68.8233058	1	4.87127833
1999	female	mature	new shell	21.6418775	1	11.0850398
1999	female	mature	old shell	148.316116	1	2.58530089
2000	female	immature	new shell	80.4723601	1	2.98322256
2000	female	mature	new shell	59.1863011	1	4.6042648
2000	female	mature	old shell	36.4098933	1	9.76739924
2001	female	immature	new shell	166.490148	1	2.13396405
2001	female	mature	new shell	146.550557	1	5.19031225
2001	female	mature	old shell	71.0620765	1	4.23633941
2002	female	immature	new shell	50.0052337	1	5.58571443
2002	female	mature	new shell	42.7993505	1	7.81078657
2002	female	mature	old shell	101.255487	1	2.89530976
2003	female	immature	new shell	69.2459198	1	4.65664469
2003	female	mature	new shell	107.172192	1	3.27110557
2003	female	mature	old shell	42.9373551	1	9.83806248
2004	female	immature	new shell	59.0617673	1	6.55126404
2004	female	mature	new shell	184.800138	1	1.41821539
2004	female	mature	old shell	41.7443122	1	10.3947401
2005	female	immature	new shell	309.551868	1	1.816715
2005	female	mature	new shell	150.678993	1	3.99554088
2005	female	mature	old shell	258.185993	1	2.91367312
2006	female	immature	new shell	53.7966504	1	7.32382856
2006	female	mature	new shell	269.26012	1	2.01406194
2006	female	mature	old shell	118.227524	1	3.75881168
2007	female	immature	new shell	163.889254	1	2.84391431
2007	female	mature	new shell	66.291623	1	6.37918724

	2007	female	mature	old shell	780.955371	1	0.73545509
	2008	female	immature	new shell	86.6886741	1	4.59614923
	2008	female	mature	new shell	92.1109813	1	4.82907129
	2008	female	mature	old shell	463.067074	1	1.26931931
	2009	female	immature	new shell	23.9751927	1	9.65397032
	2009	female	mature	new shell	39.3769435	1	5.52530538
	2009	female	mature	old shell	407.401635	1	0.96759615
	2010	female	immature	new shell	104.66649	1	4.07753126
	2010	female	mature	new shell	190.385313	1	2.10844642
	2010	female	mature	old shell	974.052726	1	0.89011832
	2011	female	immature	new shell	85.1916857	1	4.70451537
	2011	female	mature	new shell	30.8884396	1	7.49648639
	2011	female	mature	old shell	258.848428	1	2.24422673
	2012	female	immature	new shell	71.8728124	1	5.3103384
	2012	female	mature	new shell	49.0360511	1	5.12288637
	2012	female	mature	old shell	276.93495	1	1.38434945
	2013	female	immature	new shell	100.923138	1	4.67444176
	2013	female	mature	new shell	303.566189	1	1.01138055
	2013	female	mature	old shell	67.5089392	1	4.66382343
	2014	female	immature	new shell	20.8212443	1	18.8278113
	2014	female	mature	new shell	45.4487492	1	5.05599086
	2014	female	mature	old shell	88.5215679	1	4.01095996
	2015	female	immature	new shell	85.0802557	1	4.98129935
	2015	female	mature	new shell	17.2439438	1	14.1257308
	2015	female	mature	old shell	98.3983155	1	3.49689396
	2016	female	immature	new shell	49.6144453	1	8.57076677
	2016	female	mature	new shell	80.6731378	1	7.31273894
	2016	female	mature	old shell	47.9884072	1	5.69836539
	2017	female	immature	new shell	16.2389289	1	11.8422971
	2017	female	mature	new shell	26.4098512	1	17.21933
	2017	female	mature	old shell	81.612599	1	2.82755869
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.18942595	20	0.68176159
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	28.3400116	1	11.6520396
	1981	male	all maturity st	all shell condi	938.088948	1	0.47624493
	1982	male	all maturity st	all shell condi	618.233234	1	1.53240747
	1983	male	all maturity st	all shell condi	56.8557195	1	1.33406023
	1984	male	all maturity st	all shell condi	281.231079	1	0.6601816
	1988	male	all maturity st	all shell condi	97.8340464	1	5.73070892

	1989	male	all maturity st	all shell condi	553.892936	1	0.51655384
	1990	male	all maturity st	all shell condi	186.446468	1	4.34073394
	1991	male	all maturity st	all shell condi	281.373286	1	3.29401063
	1992	male	all maturity st	all shell condi	84.599875	1	13.5246092
	1993	male	all maturity st	all shell condi	142.065933	1	6.23741518
	1994	male	all maturity st	all shell condi	120.661493	1	9.36300075
	1995	male	all maturity st	all shell condi	272.351613	1	0.46285446
	1996	male	all maturity st	all shell condi	251.242702	1	0.99724271
	2005	male	all maturity st	all shell condi	15.4665342	1	1.38858858
	2006	male	all maturity st	all shell condi	173.573174	1	0.75128613
	2007	male	all maturity st	all shell condi	813.0455	1	0.95136132
	2008	male	all maturity st	all shell condi	430.034585	1	0.72068261
	2009	male	all maturity st	all shell condi	109.709005	1	0.79433503
	2013	male	all maturity st	all shell condi	553.989734	1	0.43934931
	2014	male	all maturity st	all shell condi	383.730737	1	2.25147493
	2015	male	all maturity st	all shell condi	279.639526	1	5.44214661
all		male	all maturity st	all shell condi	0.19534588	20	0.24804008
all		female	all maturity st	all shell condi	0.59786651	20	2.32338836
	1991	male	all maturity st	all shell condi	1464.80793	1	1.04770412
	1991	female	all maturity st	all shell condi	385.709658	1	1.20859304
	1992	male	all maturity st	all shell condi	104.865955	1	23.2740717
	1992	female	all maturity st	all shell condi	800.534914	1	0.38530392
	1993	male	all maturity st	all shell condi	202.802445	1	10.4815461
	1993	female	all maturity st	all shell condi	380.573756	1	0.67460469
	1994	male	all maturity st	all shell condi	605.95816	1	0.91729363
	1994	female	all maturity st	all shell condi	68.7273072	1	1.35573806
	1995	male	all maturity st	all shell condi	240.428646	1	1.20970994
	1995	female	all maturity st	all shell condi	111.369194	1	0.91974639
	1996	male	all maturity st	all shell condi	23.7392171	1	1.7410028
	1996	female	all maturity st	all shell condi	167.208308	1	0.0679018
	2005	male	all maturity st	all shell condi	128.813168	1	13.1862567
	2005	female	all maturity st	all shell condi	41.7842389	1	0.97118159
	2006	male	all maturity st	all shell condi	430.434102	1	4.10851289
	2006	female	all maturity st	all shell condi	312.028874	1	0.83193087
	2007	male	all maturity st	all shell condi	677.163715	1	4.38954087
	2007	female	all maturity st	all shell condi	338.504874	1	0.34601845
	2008	male	all maturity st	all shell condi	849.252166	1	4.05662222
	2008	female	all maturity st	all shell condi	44.6173143	1	0.33334565
	2009	male	all maturity st	all shell condi	250.319308	1	5.60197089
	2009	female	all maturity st	all shell condi	23.8647843	1	0.17800769
	2013	male	all maturity st	all shell condi	2587.94684	1	1.22795833

	2013	female	all maturity st	all shell condi	68.1319382	1	0.50030409
	2014	male	all maturity st	all shell condi	322.232865	1	8.54959658
	2014	female	all maturity st	all shell condi	161.209751	1	0.25152547
	2015	male	all maturity st	all shell condi	184.199055	1	10.9914266
	2015	female	all maturity st	all shell condi	75.3286972	1	1.19706401
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.08041673	20	0.08083564
all		female	all maturity st	all shell condi	0.30541081	20	1.16594701
	1992	male	all maturity st	all shell condi	179.320508	1	2.18109087
	1992	female	all maturity st	all shell condi	18.2469785	1	1.02938367
	1993	male	all maturity st	all shell condi	408.619125	1	0.58545415
	1993	female	all maturity st	all shell condi	29.9930448	1	1.29979907
	1994	male	all maturity st	all shell condi	149.953939	1	0.81249999
	1994	female	all maturity st	all shell condi	39.9759822	1	1.88761814
	1995	male	all maturity st	all shell condi	215.062135	1	0.36171574
	1995	female	all maturity st	all shell condi	38.9527215	1	0.31625224
	1996	male	all maturity st	all shell condi	60.079344	1	3.22554509
	1996	female	all maturity st	all shell condi	41.1221956	1	0.50209692
	1997	male	all maturity st	all shell condi	525.82345	1	0.76055188
	1997	female	all maturity st	all shell condi	112.826608	1	0.19735266
	1998	male	all maturity st	all shell condi	655.377164	1	0.31092544
	1998	female	all maturity st	all shell condi	20.4473125	1	0.34021011
	1999	male	all maturity st	all shell condi	223.649149	1	0.27188681
	1999	female	all maturity st	all shell condi	31.5613931	1	0.0648918
	2000	male	all maturity st	all shell condi	347.228131	1	0.25737614
	2000	female	all maturity st	all shell condi	37.1632154	1	0.08315054
	2001	male	all maturity st	all shell condi	678.966668	1	0.34684101
	2001	female	all maturity st	all shell condi	161.913601	1	0.04966942
	2002	male	all maturity st	all shell condi	52.3888684	1	0.86946468
	2002	female	all maturity st	all shell condi	46.5750053	1	0.0678308
	2003	male	all maturity st	all shell condi	89.8746982	1	0.42454043
	2003	female	all maturity st	all shell condi	45.3113055	1	0.102721
	2004	male	all maturity st	all shell condi	20.9814059	1	1.90655861
	2004	female	all maturity st	all shell condi	31.2822277	1	0.85268007
	2005	male	all maturity st	all shell condi	108.753577	1	4.91969579
	2005	female	all maturity st	all shell condi	143.203109	1	0.14501943
	2006	male	all maturity st	all shell condi	73.8703139	1	6.11658812
	2006	female	all maturity st	all shell condi	45.9098927	1	1.1550024
	2007	male	all maturity st	all shell condi	307.895691	1	2.52033121
	2007	female	all maturity st	all shell condi	47.5608096	1	0.40946044

	2008	male	all maturity st	all shell condi	88.2735259	1	7.30468846
	2008	female	all maturity st	all shell condi	14.5220342	1	2.26945786
	2009	male	all maturity st	all shell condi	450.549042	1	2.0179385
	2009	female	all maturity st	all shell condi	22.0324861	1	0.91760833
	2010	male	all maturity st	all shell condi	314.672373	1	1.48966792
	2010	female	all maturity st	all shell condi	76.6015865	1	0.19219581
	2011	male	all maturity st	all shell condi	186.401786	1	3.57688731
	2011	female	all maturity st	all shell condi	56.4152803	1	0.17914796
	2012	male	all maturity st	all shell condi	143.75505	1	3.43698176
	2012	female	all maturity st	all shell condi	51.1649883	1	0.16760851
	2013	male	all maturity st	all shell condi	284.771508	1	2.33648394
	2013	female	all maturity st	all shell condi	177.251629	1	0.09904439
	2014	male	all maturity st	all shell condi	377.765829	1	3.44094274
	2014	female	all maturity st	all shell condi	56.3537777	1	0.49210066
	2015	male	all maturity st	all shell condi	517.415721	1	1.87767727
	2015	female	all maturity st	all shell condi	115.482679	1	0.09434274
	2016	male	all maturity st	all shell condi	358.283506	1	2.85987872
	2016	female	all maturity st	all shell condi	112.487819	1	0.09900855
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.05311613	20	0.06206912
	1973	male	all maturity st	all shell condi	475.601625	1	-2.479405
	1973	female	all maturity st	all shell condi	274.673256	1	4.43781097
	1974	male	all maturity st	all shell condi	164.049656	1	0.14687431
	1974	female	all maturity st	all shell condi	276.166507	1	2.75994487
	1975	male	all maturity st	all shell condi	129.603101	1	0.17760289
	1975	female	all maturity st	all shell condi	203.490698	1	1.88298554
	1976	male	all maturity st	all shell condi	78.3296895	1	-1.1079932
	1976	female	all maturity st	all shell condi	107.058269	1	22.071121
	1977	male	all maturity st	all shell condi	129.523983	1	0.57989832
	1977	female	all maturity st	all shell condi	178.602449	1	16.9963873
	1978	male	all maturity st	all shell condi	162.843983	1	2.05320675
	1978	female	all maturity st	all shell condi	152.192668	1	24.3540476
	1979	male	all maturity st	all shell condi	584.376729	1	-3.4152875
	1979	female	all maturity st	all shell condi	406.61249	1	11.350762
	1980	male	all maturity st	all shell condi	717.508976	1	4.39163908
	1980	female	all maturity st	all shell condi	862.154961	1	0.40654312
	1981	male	all maturity st	all shell condi	679.133574	1	-4.2375385
	1981	female	all maturity st	all shell condi	72.0507415	1	11.8061573
	1982	male	all maturity st	all shell condi	570.580602	1	0.84374032
	1982	female	all maturity st	all shell condi	90.0889206	1	16.9210092
	1983	male	all maturity st	all shell condi	422.10466	1	22.0617464

1983	female	all maturity st	all shell condi	320.094009	1	-6.9045324
1984	male	all maturity st	all shell condi	500.667826	1	24.906258
1984	female	all maturity st	all shell condi	560.96019	1	-11.399271
1985	male	all maturity st	all shell condi	224.563419	1	18.332185
1985	female	all maturity st	all shell condi	311.014398	1	-2.0609574
1986	male	all maturity st	all shell condi	261.186495	1	12.0197338
1986	female	all maturity st	all shell condi	125.528032	1	3.36735396
1987	male	all maturity st	all shell condi	208.074925	1	21.6405507
1987	female	all maturity st	all shell condi	901.571579	1	1.51326865
1988	male	all maturity st	all shell condi	223.37968	1	7.20919149
1988	female	all maturity st	all shell condi	218.863446	1	9.03184561
1989	male	all maturity st	all shell condi	494.87853	1	-0.5174093
1989	female	all maturity st	all shell condi	916.656879	1	12.8294095
1990	male	all maturity st	all shell condi	1000.42296	1	16.0965807
1990	female	all maturity st	all shell condi	325.847942	1	-7.9752406
1991	male	all maturity st	all shell condi	314.966473	1	1.14921188
1991	female	all maturity st	all shell condi	170.605064	1	6.88190366
1992	male	all maturity st	all shell condi	171.388158	1	5.26937574
1992	female	all maturity st	all shell condi	64.0500751	1	2.81513066
1993	male	all maturity st	all shell condi	69.0278229	1	4.06482817
1993	female	all maturity st	all shell condi	106.643807	1	-0.5378042
1994	male	all maturity st	all shell condi	244.711247	1	3.04993892
1994	female	all maturity st	all shell condi	388.025356	1	0.72261877
1995	male	all maturity st	all shell condi	63.674449	1	11.1325533
1995	female	all maturity st	all shell condi	66.5818289	1	3.64143952
1996	male	all maturity st	all shell condi	180.275356	1	13.1409331
1996	female	all maturity st	all shell condi	362.192684	1	-4.4329619
1997	male	all maturity st	all shell condi	53.1519972	1	20.4915114
1997	female	all maturity st	all shell condi	157.620225	1	6.32841213
1998	male	all maturity st	all shell condi	125.147124	1	8.67470645
1998	female	all maturity st	all shell condi	228.890723	1	8.42258831
1999	male	all maturity st	all shell condi	308.93644	1	5.91167048
1999	female	all maturity st	all shell condi	661.351808	1	3.19592325
2000	male	all maturity st	all shell condi	267.07847	1	7.66530162
2000	female	all maturity st	all shell condi	431.503318	1	1.17770351
2001	male	all maturity st	all shell condi	517.054723	1	9.77618764
2001	female	all maturity st	all shell condi	1149.76649	1	-3.5729949
2002	male	all maturity st	all shell condi	416.841087	1	10.732228
2002	female	all maturity st	all shell condi	761.615851	1	-0.199436
2003	male	all maturity st	all shell condi	207.067299	1	4.14525333
2003	female	all maturity st	all shell condi	327.71049	1	4.3275908

	2004	male	all maturity st	all shell condi	110.580566	1	-2.4597386
	2004	female	all maturity st	all shell condi	32.1381768	1	38.9816163
	2005	male	all maturity st	all shell condi	1163.8372	1	4.74285474
	2005	female	all maturity st	all shell condi	1597.01189	1	0.73421787
	2006	male	all maturity st	all shell condi	177.677887	1	13.4741428
	2006	female	all maturity st	all shell condi	182.592962	1	2.22736438
	2007	male	all maturity st	all shell condi	167.113163	1	10.8097217
	2007	female	all maturity st	all shell condi	105.979088	1	7.98301206
	2008	male	all maturity st	all shell condi	157.940425	1	27.0577875
	2008	female	all maturity st	all shell condi	218.776505	1	-9.123751
	2009	male	all maturity st	all shell condi	305.224273	1	13.8857431
	2009	female	all maturity st	all shell condi	542.36199	1	-7.1765943
	2010	male	all maturity st	all shell condi	475.438219	1	6.8961693
	2010	female	all maturity st	all shell condi	1359.82134	1	-3.0022906
	2011	male	all maturity st	all shell condi	89.7936868	1	10.3387916
	2011	female	all maturity st	all shell condi	73.3402138	1	19.8740826
	2012	male	all maturity st	all shell condi	277.822251	1	-6.4785331
	2012	female	all maturity st	all shell condi	137.194697	1	12.9423113
	2013	male	all maturity st	all shell condi	225.06789	1	2.45893402
	2013	female	all maturity st	all shell condi	745.803685	1	9.1390146
	2014	male	all maturity st	all shell condi	981.332608	1	9.53904152
	2014	female	all maturity st	all shell condi	736.468005	1	-5.735853
	2015	male	all maturity st	all shell condi	217.227726	1	14.8848929
	2015	female	all maturity st	all shell condi	313.407629	1	1.10735392
	2016	male	all maturity st	all shell condi	204.666095	1	-3.9273241
	2016	female	all maturity st	all shell condi	51.9831752	1	26.0679406
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.16891011	20	0.32810221
all		female	all maturity st	all shell condi	0.00930076	20	0.0009948
	1992	male	all maturity st	all shell condi	39.0975216	1	2.33729144
	1992	female	all maturity st	all shell condi	77.4528021	1	0.12891598
	1993	male	all maturity st	all shell condi	52.4227413	1	5.64522609
	1993	female	all maturity st	all shell condi	316.07554	1	0.24437742
	1996	male	all maturity st	all shell condi	21.3832887	1	0.27148765
	1996	female	all maturity st	all shell condi	3.47057488	1	0.0319075
	1997	male	all maturity st	all shell condi	26.7343818	1	1.76958341
	1997	female	all maturity st	all shell condi	24.8972985	1	0.06200705
	1998	male	all maturity st	all shell condi	72.8208459	1	0.31538951
	1998	female	all maturity st	all shell condi	21.1886268	1	0.07040367
	1999	male	all maturity st	all shell condi	50.090723	1	0.29990823

1999	female	all maturity st	all shell condi	18.3618148	1	0.02680715
2000	male	all maturity st	all shell condi	133.336616	1	0.74212789
2000	female	all maturity st	all shell condi	41.7422134	1	0.06264595
2001	male	all maturity st	all shell condi	109.83058	1	0.31859579
2001	female	all maturity st	all shell condi	53.4379922	1	0.0336123
2002	male	all maturity st	all shell condi	96.6938319	1	0.53315503
2002	female	all maturity st	all shell condi	39.7186269	1	0.0462566
2003	male	all maturity st	all shell condi	80.3971835	1	0.51964516
2003	female	all maturity st	all shell condi	52.8672893	1	0.09423643
2004	male	all maturity st	all shell condi	40.0225239	1	0.68711068
2004	female	all maturity st	all shell condi	22.3804376	1	0.05410033
2005	male	all maturity st	all shell condi	45.1185831	1	1.658683
2005	female	all maturity st	all shell condi	13.4389118	1	0.16479387
2006	male	all maturity st	all shell condi	22.6925082	1	2.13141748
2006	female	all maturity st	all shell condi	26.3793983	1	0.25512737
2007	male	all maturity st	all shell condi	90.8957613	1	1.18351049
2007	female	all maturity st	all shell condi	104.58207	1	0.08798274
2008	male	all maturity st	all shell condi	66.7293761	1	2.6845488
2008	female	all maturity st	all shell condi	105.991744	1	0.11353555
2009	male	all maturity st	all shell condi	23.3259972	1	6.33337602
2009	female	all maturity st	all shell condi	122.32758	1	0.0480273
2010	male	all maturity st	all shell condi	51.5026271	1	0.86960487
2010	female	all maturity st	all shell condi	35.9860832	1	0.04562481
2011	male	all maturity st	all shell condi	71.1436936	1	0.33146942
2011	female	all maturity st	all shell condi	5.50017124	1	0.02117402
2012	male	all maturity st	all shell condi	70.1726705	1	0.62679645
2012	female	all maturity st	all shell condi	6.51753662	1	0.22712758
2013	male	all maturity st	all shell condi	67.0037257	1	1.63060351
2013	female	all maturity st	all shell condi	9.6629583	1	0.17684387
2014	male	all maturity st	all shell condi	155.204712	1	1.18803244
2014	female	all maturity st	all shell condi	21.1886287	1	0.07178957
2015	male	all maturity st	all shell condi	170.631516	1	0.8392608
2015	female	all maturity st	all shell condi	96.8360358	1	0.0749786
2016	male	all maturity st	all shell condi	22.5035505	1	7.73906805
2016	female	all maturity st	all shell condi	20.1509389	1	0.50743917
2015	male	immature	new shell	0.52643634	1	90.8970986
2016	male	immature	new shell	0.52643634	1	102.10748
2015	female	immature	new shell	0.39898805	1	74.459452
2016	female	immature	new shell	0.39898805	1	65.2724638
1994	male	immature	new shell	0.5446354	0	12.516154
1995	male	immature	new shell	0.5446354	0	29.212128

1996	male	immature	new shell	0.5446354	0	342.943825
1997	male	immature	new shell	0.5446354	0	443.139121
1998	male	immature	new shell	0.5446354	0	453.351257
1999	male	immature	new shell	0.5446354	0	423.930285
2000	male	immature	new shell	0.5446354	0	702.508271
2001	male	immature	new shell	0.5446354	0	813.021122
2002	male	immature	new shell	0.5446354	0	715.806016
2003	male	immature	new shell	0.5446354	0	242.132169
2004	male	immature	new shell	0.5446354	0	163.388541
2005	male	immature	new shell	0.5446354	0	82.4282137
2006	male	immature	new shell	0.5446354	0	9.76511685
2011	male	immature	new shell	0.5446354	0	2.03009446
2012	male	immature	new shell	0.5446354	0	2.73673017
1994	female	immature	new shell	0.5318262	0	16.3179338
1995	female	immature	new shell	0.5318262	0	16.3730691
1996	female	immature	new shell	0.5318262	0	220.064765
1997	female	immature	new shell	0.5318262	0	171.447904
1998	female	immature	new shell	0.5318262	0	237.48276
1999	female	immature	new shell	0.5318262	0	328.597623
2000	female	immature	new shell	0.5318262	0	609.680756
2001	female	immature	new shell	0.5318262	0	563.315081
2002	female	immature	new shell	0.5318262	0	325.019388
2003	female	immature	new shell	0.5318262	0	92.6378097
2004	female	immature	new shell	0.5318262	0	100.875057
2005	female	immature	new shell	0.5318262	0	23.5680312
2006	female	immature	new shell	0.5318262	0	7.27026806
2012	female	immature	new shell	0.5318262	0	2.29014575
1990	male		new shell	4.66882983	1	55.8891291
1991	male		new shell	4.66882983	1	59.7929666
1992	male		new shell	4.66882983	1	18.6997265
1993	male		new shell	4.66882983	1	28.9793494
1994	male		new shell	4.66882983	1	22.8035394
1995	male		new shell	4.66882983	1	13.8498244
1997	male		new shell	4.66882983	1	9.69583834
1998	male		new shell	4.66882983	1	27.4284546
1999	male		new shell	4.66882983	1	11.887221
2000	male		new shell	4.66882983	1	21.8621209
2001	male		new shell	4.66882983	1	27.0454938
2002	male		new shell	4.66882983	1	20.1310295
2003	male		new shell	4.66882983	1	13.2145996
2004	male		new shell	4.66882983	1	18.7407411

	2005	male		new shell	4.66882983	1	66.4662401
	2008	male		new shell	4.66882983	1	56.7658678
	2010	male		new shell	4.66882983	1	69.8100956
	2012	male		new shell	4.66882983	1	15.3524111
	2014	male		new shell	4.66882983	1	26.2582467
	2016	male		new shell	4.66882983	1	39.1171392
	2017	male		new shell	4.66882983	1	17.6708957
all		male	immature	new shell	0.09975135	1	959.30668
all		male	mature	new shell	0.09975135	1	959.30668
all		male	immature	old shell	0.09975135	1	959.30668
all		male	mature	old shell	0.09975135	1	959.30668
all		female	immature	new shell	0.09975135	1	959.30668
all		female	mature	new shell	0.09975135	1	959.30668
all		female	immature	old shell	0.09975135	1	959.30668
all		female	mature	old shell	0.09975135	1	959.30668
all		male	immature	new shell	0.09975135	1	514.646695
all		male	mature	new shell	0.09975135	1	514.646695
all		male	immature	old shell	0.09975135	1	514.646695
all		male	mature	old shell	0.09975135	1	514.646695
all		female	immature	new shell	0.09975135	1	514.646695
all		female	mature	new shell	0.09975135	1	514.646695
all		female	immature	old shell	0.09975135	1	514.646695
all		female	mature	old shell	0.09975135	1	514.646695
all		male	immature	all shell condi	3.35770051	0	242.394284
all		male	mature	all shell condi	2.50386374	0	134.790673
all		female	immature	all shell condi	2.99826672	0	193.276471
all		female	mature	all shell condi	2.36903475	0	120.665001
all		male	mature	all shell condi	2.27248969	0	111.030502
all		female	mature	all shell condi	2.20619722	0	104.647082
	1975	male	immature	all shell condi	614.729799	0	11.7740185
	1975	male	mature	all shell condi	89.326777	0	36.5603864
	1975	female	immature	all shell condi	188.837941	0	9.13970427
	1975	female	mature	all shell condi	106.167118	0	-14.000605
	1976	male	immature	all shell condi	235.154282	0	20.1637496
	1976	male	mature	all shell condi	158.090614	0	-6.5524652
	1976	female	immature	all shell condi	62.0484203	0	28.923623
	1976	female	mature	all shell condi	170.856101	0	-9.8059398
	1977	male	immature	all shell condi	128.633093	0	16.0080133
	1977	male	mature	all shell condi	115.537388	0	-14.545698
	1977	female	immature	all shell condi	19.7199301	0	62.9894217
	1977	female	mature	all shell condi	378.178532	0	-8.3890012

1978	male	immature	all shell condi	277.446819	0	8.77178458
1978	male	mature	all shell condi	191.457432	0	-7.4449488
1978	female	immature	all shell condi	40.8439583	0	32.6145237
1978	female	mature	all shell condi	1022.54058	0	-5.5500124
1979	male	immature	all shell condi	100.148221	0	23.6956188
1979	male	mature	all shell condi	160.978829	0	-13.173647
1979	female	immature	all shell condi	300.196215	0	1.46272655
1979	female	mature	all shell condi	70.6765719	0	23.7705769
1980	male	immature	all shell condi	69.4439216	0	35.7425673
1980	male	mature	all shell condi	103.083818	0	-15.565757
1980	female	immature	all shell condi	507.104286	0	5.47478898
1980	female	mature	all shell condi	44.0318491	0	22.3472583
1981	male	immature	all shell condi	548.991261	0	5.69685256
1981	male	mature	all shell condi	204.650595	0	-15.599595
1981	female	immature	all shell condi	199.499737	0	-4.8509767
1981	female	mature	all shell condi	19.5853041	0	72.7169277
1982	male	immature	all shell condi	178.269642	0	-13.890562
1982	male	mature	all shell condi	269.196887	0	-12.561696
1982	female	immature	all shell condi	106.753003	0	-8.2453944
1982	female	mature	all shell condi	5.85554115	0	151.058375
1983	male	immature	all shell condi	132.881069	0	7.86888339
1983	male	mature	all shell condi	396.099859	0	-5.7076933
1983	female	immature	all shell condi	138.353601	0	8.22537473
1983	female	mature	all shell condi	76.7270474	0	24.9681034
1984	male	immature	all shell condi	264.670907	0	-11.787483
1984	male	mature	all shell condi	251.505042	0	13.6364652
1984	female	immature	all shell condi	126.946074	0	-8.1279709
1984	female	mature	all shell condi	45.4653274	0	38.4153029
1985	male	immature	all shell condi	148.509716	0	-17.463112
1985	male	mature	all shell condi	66.6041781	0	37.3984645
1985	female	immature	all shell condi	68.4181733	0	-22.264889
1985	female	mature	all shell condi	28.277428	0	53.1419438
1986	male	immature	all shell condi	352.760353	0	8.00675904
1986	male	mature	all shell condi	99.4460025	0	24.3042258
1986	female	immature	all shell condi	110.108178	0	-9.468379
1986	female	mature	all shell condi	230.805633	0	2.67856676
1987	male	immature	all shell condi	180.816925	0	7.07869992
1987	male	mature	all shell condi	981.509008	0	4.90352007
1987	female	immature	all shell condi	46.3222017	0	50.5736118
1987	female	mature	all shell condi	211.539137	0	-4.7030976
1988	male	immature	all shell condi	695.135617	0	2.17298642

1988	male	mature	all shell condi	760.191635	0	8.37384089
1988	female	immature	all shell condi	225.721742	0	-8.6014431
1988	female	mature	all shell condi	109.45009	0	16.9195893
1989	male	immature	all shell condi	180.024254	0	12.0093071
1989	male	mature	all shell condi	757.353756	0	1.15316472
1989	female	immature	all shell condi	121.727006	0	13.723661
1989	female	mature	all shell condi	183.136689	0	-5.9799365
1990	male	immature	all shell condi	647.315218	0	2.6447305
1990	male	mature	all shell condi	497.458219	0	-6.588856
1990	female	immature	all shell condi	305.781	0	5.90548283
1990	female	mature	all shell condi	413.752916	0	10.5828833
1991	male	immature	all shell condi	280.692163	0	9.50994808
1991	male	mature	all shell condi	600.998968	0	-10.295824
1991	female	immature	all shell condi	151.339007	0	7.36499599
1991	female	mature	all shell condi	868.438774	0	9.41676378
1992	male	immature	all shell condi	621.573372	0	10.7868494
1992	male	mature	all shell condi	354.623643	0	1.77411071
1992	female	immature	all shell condi	381.825863	0	2.05917307
1992	female	mature	all shell condi	3342.13289	0	-1.9296586
1993	male	immature	all shell condi	420.223301	0	16.7592892
1993	male	mature	all shell condi	459.55459	0	6.72941458
1993	female	immature	all shell condi	693.528995	0	1.96478946
1993	female	mature	all shell condi	285.450705	0	-13.853911
1994	male	immature	all shell condi	296.923592	0	10.081163
1994	male	mature	all shell condi	596.940268	0	0.89637887
1994	female	immature	all shell condi	99.6360861	0	15.7253234
1994	female	mature	all shell condi	471.958058	0	-11.177268
1995	male	immature	all shell condi	344.79972	0	-5.4764764
1995	male	mature	all shell condi	530.295146	0	4.21913469
1995	female	immature	all shell condi	241.052254	0	-5.8972818
1995	female	mature	all shell condi	133.215043	0	24.3577812
1996	male	immature	all shell condi	560.00091	0	-2.9843279
1996	male	mature	all shell condi	546.454568	0	7.44419528
1996	female	immature	all shell condi	239.350189	0	-4.8193762
1996	female	mature	all shell condi	283.781794	0	13.4893582
1997	male	immature	all shell condi	224.950428	0	9.51414253
1997	male	mature	all shell condi	1131.8148	0	-5.3680582
1997	female	immature	all shell condi	81.7287273	0	21.5701594
1997	female	mature	all shell condi	429.068908	0	-8.6456655
1998	male	immature	all shell condi	102.288154	0	23.8355631
1998	male	mature	all shell condi	1417.10719	0	-5.0380923

1998	female	immature	all shell condi	195.552504	0	19.1887709
1998	female	mature	all shell condi	125.081887	0	-12.179617
1999	male	immature	all shell condi	136.62776	0	18.2888356
1999	male	mature	all shell condi	892.056314	0	-0.6973844
1999	female	immature	all shell condi	177.067538	0	9.46307334
1999	female	mature	all shell condi	280.405442	0	-7.3522235
2000	male	immature	all shell condi	135.86404	0	12.8366193
2000	male	mature	all shell condi	2095.54691	0	2.97878158
2000	female	immature	all shell condi	277.212276	0	1.76540775
2000	female	mature	all shell condi	313.924999	0	-4.0495727
2001	male	immature	all shell condi	188.148284	0	17.4587759
2001	male	mature	all shell condi	718.507906	0	-5.3886843
2001	female	immature	all shell condi	300.163471	0	11.9934882
2001	female	mature	all shell condi	285.207595	0	-6.1824322
2002	male	immature	all shell condi	122.167036	0	13.2354401
2002	male	mature	all shell condi	1477.88208	0	-2.6436243
2002	female	immature	all shell condi	109.268411	0	15.9333389
2002	female	mature	all shell condi	595.26087	0	-5.0843347
2003	male	immature	all shell condi	297.779598	0	9.20017514
2003	male	mature	all shell condi	2260.15801	0	1.55514213
2003	female	immature	all shell condi	220.729314	0	-5.5950069
2003	female	mature	all shell condi	301.148958	0	8.38180315
2004	male	immature	all shell condi	176.180386	0	6.9569682
2004	male	mature	all shell condi	520.729645	0	11.5461075
2004	female	immature	all shell condi	152.674207	0	11.1071416
2004	female	mature	all shell condi	264.189192	0	-5.3594123
2005	male	immature	all shell condi	288.528595	0	4.94981841
2005	male	mature	all shell condi	1565.81241	0	-4.5418122
2005	female	immature	all shell condi	244.738734	0	17.8112177
2005	female	mature	all shell condi	1050.60899	0	-4.0089391
2006	male	immature	all shell condi	311.960575	0	12.4490015
2006	male	mature	all shell condi	1208.88316	0	1.078874
2006	female	immature	all shell condi	202.684366	0	9.81054874
2006	female	mature	all shell condi	479.290761	0	-6.8761024
2007	male	immature	all shell condi	204.069105	0	27.427665
2007	male	mature	all shell condi	758.158017	0	3.2881508
2007	female	immature	all shell condi	996.612197	0	-0.1817273
2007	female	mature	all shell condi	163.183416	0	-12.245448
2008	male	immature	all shell condi	669.749536	0	12.3436528
2008	male	mature	all shell condi	1079.0104	0	3.11885228
2008	female	immature	all shell condi	625.331431	0	1.6680266

	2008	female	mature	all shell condi	517.312716	0	-8.2268124
	2009	male	immature	all shell condi	178.113683	0	6.59887381
	2009	male	mature	all shell condi	605.069712	0	7.33486311
	2009	female	immature	all shell condi	83.102626	0	0.97557135
	2009	female	mature	all shell condi	1724.96408	0	1.90327294
	2010	male	immature	all shell condi	521.542048	0	3.32795755
	2010	male	mature	all shell condi	456.810644	0	12.2052339
	2010	female	immature	all shell condi	230.461774	0	-4.0749611
	2010	female	mature	all shell condi	3047.52596	0	-2.6666312
	2011	male	immature	all shell condi	382.90447	0	12.3198302
	2011	male	mature	all shell condi	2277.4196	0	0.18662839
	2011	female	immature	all shell condi	255.527381	0	7.933539
	2011	female	mature	all shell condi	252.886483	0	-6.3748742
	2012	male	immature	all shell condi	302.258615	0	19.0126044
	2012	male	mature	all shell condi	1269.31263	0	-0.4845988
	2012	female	immature	all shell condi	277.982018	0	0.87848835
	2012	female	mature	all shell condi	486.565436	0	-5.2057629
	2013	male	immature	all shell condi	694.771174	0	12.630003
	2013	male	mature	all shell condi	396.946837	0	3.56576306
	2013	female	immature	all shell condi	547.553526	0	0.8480064
	2013	female	mature	all shell condi	988.61614	0	-4.9639321
	2014	male	immature	all shell condi	326.255965	0	17.4959939
	2014	male	mature	all shell condi	648.054712	0	1.37360509
	2014	female	immature	all shell condi	103.757306	0	14.6838616
	2014	female	mature	all shell condi	300.470647	0	-10.746252
	2015	male	immature	all shell condi	818.730088	0	9.96257876
	2015	male	mature	all shell condi	780.668291	0	1.4742731
	2015	female	immature	all shell condi	642.090155	0	2.43805378
	2015	female	mature	all shell condi	363.926694	0	-2.1511459
	2016	male	immature	all shell condi	459.205265	0	9.48159278
	2016	male	mature	all shell condi	193.75085	0	21.1210332
	2016	female	immature	all shell condi	414.286399	0	-0.5023343
	2016	female	mature	all shell condi	243.104733	0	-8.6096369
	2017	male	immature	all shell condi	103.652793	0	-0.7751012
	2017	male	mature	all shell condi	127.447666	0	27.6580667
	2017	female	immature	all shell condi	78.3741594	0	1.75523207
	2017	female	mature	all shell condi	559.574686	0	1.66394076
all		male	all maturity st	new shell	3.45858654	0	257.179148
all		male	all maturity st	old shell	4.52928713	0	441.060501
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0

all		male	all maturity st	new shell	2.67257428	1	153.567045
all		male	all maturity st	old shell	3.63975795	1	284.828516
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
	1975	male	all maturity st	new shell	78.7046984	1	23.0266757
	1975	male	all maturity st	old shell	27.3311743	1	40.1367213
	1976	male	all maturity st	new shell	199.467481	1	7.82294514
	1976	male	all maturity st	old shell	21.243025	1	54.778963
	1977	male	all maturity st	new shell	84.6060202	1	14.7752329
	1977	male	all maturity st	old shell	88.0306656	1	17.0401117
	1978	male	all maturity st	new shell	150.28299	1	8.7523186
	1978	male	all maturity st	old shell	64.6600459	1	21.2899639
	1979	male	all maturity st	new shell	70.2777822	1	12.8029291
	1979	male	all maturity st	old shell	46.2968988	1	28.7252056
	1980	male	all maturity st	new shell	49.0110496	1	18.2818651
	1980	male	all maturity st	old shell	45.2995287	1	28.2920781
	1981	male	all maturity st	new shell	73.6979986	1	15.3861609
	1981	male	all maturity st	old shell	36.4526263	1	29.2724484
	1982	male	all maturity st	new shell	67.3717809	1	17.3811291
	1982	male	all maturity st	old shell	279.653974	1	4.48060639
	1983	male	all maturity st	new shell	43.8686381	1	22.2895546
	1983	male	all maturity st	old shell	79.2108984	1	14.482181
	1984	male	all maturity st	new shell	86.4793394	1	7.26782959
	1984	male	all maturity st	old shell	54.1608001	1	19.3847461
	1985	male	all maturity st	new shell	83.3386374	1	13.5138191
	1985	male	all maturity st	old shell	48.1525349	1	24.8520457
	1986	male	all maturity st	new shell	93.8075793	1	12.1082286
	1986	male	all maturity st	old shell	93.1612216	1	12.0586438
	1987	male	all maturity st	new shell	71.9119109	1	11.4244127
	1987	male	all maturity st	old shell	184.374739	1	10.4252941
	1988	male	all maturity st	new shell	161.56517	1	6.98500943
	1988	male	all maturity st	old shell	216.798617	1	9.27338426
	1989	male	all maturity st	new shell	108.774858	1	9.62402998
	1989	male	all maturity st	old shell	432.454407	1	6.10897953
	1990	male	all maturity st	new shell	297.139353	1	4.27264154
	1990	male	all maturity st	old shell	276.236313	1	5.84798099
	1991	male	all maturity st	new shell	163.703775	1	7.60744228
	1991	male	all maturity st	old shell	274.319287	1	6.2518468
	1992	male	all maturity st	new shell	220.901283	1	5.81621303
	1992	male	all maturity st	old shell	102.647692	1	10.4151253
	1993	male	all maturity st	new shell	338.776793	1	3.55945259

1993	male	all maturity st	old shell	179.865915	1	5.49814264
1994	male	all maturity st	new shell	188.000335	1	5.56948497
1994	male	all maturity st	old shell	133.370573	1	7.88695334
1995	male	all maturity st	new shell	97.4662538	1	9.04913122
1995	male	all maturity st	old shell	114.226994	1	11.5115697
1996	male	all maturity st	new shell	133.760306	1	10.4016124
1996	male	all maturity st	old shell	88.8236814	1	11.7332061
1997	male	all maturity st	new shell	109.386945	1	8.50821054
1997	male	all maturity st	old shell	226.26575	1	9.02707007
1998	male	all maturity st	new shell	74.9611458	1	11.1242511
1998	male	all maturity st	old shell	311.824578	1	5.3034691
1999	male	all maturity st	new shell	94.3705521	1	8.86723365
1999	male	all maturity st	old shell	121.054847	1	9.62487524
2000	male	all maturity st	new shell	95.7929999	1	6.00289558
2000	male	all maturity st	old shell	178.28268	1	8.15262079
2001	male	all maturity st	new shell	120.427428	1	8.90898557
2001	male	all maturity st	old shell	289.359567	1	7.29079733
2002	male	all maturity st	new shell	52.2440749	1	14.8100984
2002	male	all maturity st	old shell	386.282225	1	5.00562521
2003	male	all maturity st	new shell	139.948836	1	7.57992355
2003	male	all maturity st	old shell	286.974136	1	6.98822341
2004	male	all maturity st	new shell	86.1390723	1	10.1949926
2004	male	all maturity st	old shell	60.1636888	1	34.4764014
2005	male	all maturity st	new shell	124.070278	1	8.31618725
2005	male	all maturity st	old shell	488.038521	1	5.64173258
2006	male	all maturity st	new shell	131.858607	1	9.6067661
2006	male	all maturity st	old shell	395.033013	1	7.26671762
2007	male	all maturity st	new shell	262.905232	1	6.13577496
2007	male	all maturity st	old shell	257.182292	1	11.8291737
2008	male	all maturity st	new shell	525.202969	1	2.83162847
2008	male	all maturity st	old shell	158.632853	1	10.9638254
2009	male	all maturity st	new shell	56.4437984	1	11.8176044
2009	male	all maturity st	old shell	137.279171	1	8.56026582
2010	male	all maturity st	new shell	94.9143466	1	11.3452369
2010	male	all maturity st	old shell	217.426425	1	6.46538613
2011	male	all maturity st	new shell	247.317763	1	3.13618782
2011	male	all maturity st	old shell	201.14067	1	7.8328158
2012	male	all maturity st	new shell	317.120093	1	2.73294724
2012	male	all maturity st	old shell	156.909722	1	8.12804003
2013	male	all maturity st	new shell	204.811667	1	5.78541303
2013	male	all maturity st	old shell	251.962545	1	9.3132049

	2014	male	all maturity st	new shell	251.796208	1	6.18227685
	2014	male	all maturity st	old shell	156.847064	1	8.06118431
	2015	male	all maturity st	new shell	606.056083	1	4.03027491
	2015	male	all maturity st	old shell	205.349453	1	6.80359422
	2016	male	all maturity st	new shell	195.787484	1	8.03859683
	2016	male	all maturity st	old shell	119.136747	1	10.5684088
	2017	male	all maturity st	new shell	28.5633273	1	14.595007
	2017	male	all maturity st	old shell	106.414167	1	10.6949399
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	2.99826672	0	193.276471
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.49875891	0	134.241616
all		female	mature	old shell	2.81531234	0	170.408647
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.67862418	1	154.263091
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.34404639	1	118.1329
all		female	mature	old shell	2.61299002	1	146.795912
	1975	female	immature	new shell	25.9034873	1	16.742732
	1975	female	mature	new shell	135.261373	1	2.73139987
	1975	female	mature	old shell	11.8619575	1	20.9483402
	1976	female	immature	new shell	36.9243815	1	9.31361035
	1976	female	mature	new shell	243.146601	1	2.22467787
	1976	female	mature	old shell	13.3776737	1	21.0569166
	1977	female	immature	new shell	28.5325439	1	10.9880655
	1977	female	mature	new shell	404.224609	1	2.38412577
	1977	female	mature	old shell	46.0739349	1	7.51030518
	1978	female	immature	new shell	24.0304061	1	11.61486
	1978	female	mature	new shell	93.897843	1	2.90806987
	1978	female	mature	old shell	91.7271744	1	3.56093137
	1979	female	immature	new shell	37.3608927	1	6.07988551
	1979	female	mature	new shell	23.4757139	1	14.9203454
	1979	female	mature	old shell	55.132161	1	5.68160754
	1980	female	immature	new shell	107.372189	1	3.56116551
	1980	female	mature	new shell	9.16833118	1	24.7179834

1980	female	mature	old shell	48.0421109	1	5.06448265
1981	female	immature	new shell	34.8995612	1	12.4471336
1981	female	mature	new shell	8.10874069	1	40.0611063
1981	female	mature	old shell	178.856361	1	4.2939049
1982	female	immature	new shell	45.4937353	1	16.1919047
1982	female	mature	new shell	8.13651095	1	28.6268462
1982	female	mature	old shell	22.9175041	1	11.6732651
1983	female	immature	new shell	33.3951507	1	9.5677165
1983	female	mature	new shell	57.3393444	1	6.94037482
1983	female	mature	old shell	66.2771567	1	4.06289064
1984	female	immature	new shell	30.1582362	1	7.01449313
1984	female	mature	new shell	28.9189403	1	7.66867743
1984	female	mature	old shell	210.880219	1	2.05307204
1985	female	immature	new shell	86.2074652	1	5.13796576
1985	female	mature	new shell	13.5369888	1	35.0199193
1985	female	mature	old shell	258.391568	1	2.12713621
1986	female	immature	new shell	55.5988831	1	7.46178658
1986	female	mature	new shell	8.12529011	1	30.2937829
1986	female	mature	old shell	35.2411842	1	8.83873826
1987	female	immature	new shell	17.1744298	1	37.8055879
1987	female	mature	new shell	37.8315539	1	10.333997
1987	female	mature	old shell	23.9061587	1	16.4584959
1988	female	immature	new shell	119.160385	1	5.84629221
1988	female	mature	new shell	15.2492362	1	23.1020433
1988	female	mature	old shell	38.2266284	1	9.79562364
1989	female	immature	new shell	44.4025732	1	5.80722834
1989	female	mature	new shell	32.2678603	1	9.86375806
1989	female	mature	old shell	46.3190449	1	9.72548894
1990	female	immature	new shell	65.3259866	1	5.3831836
1990	female	mature	new shell	147.26474	1	2.43905276
1990	female	mature	old shell	44.7216572	1	8.89003282
1991	female	immature	new shell	21.3465451	1	13.8801407
1991	female	mature	new shell	82.4394711	1	3.57096229
1991	female	mature	old shell	222.566647	1	2.29389356
1992	female	immature	new shell	34.6680779	1	11.5694151
1992	female	mature	new shell	63.1219086	1	6.0263372
1992	female	mature	old shell	239.667808	1	1.82822096
1993	female	immature	new shell	64.5937247	1	6.79281688
1993	female	mature	new shell	27.0419868	1	9.85954427
1993	female	mature	old shell	252.061944	1	1.28257596
1994	female	immature	new shell	30.2422151	1	10.1279712

1994	female	mature	new shell	37.5340456	1	9.84316149
1994	female	mature	old shell	419.620434	1	1.2065802
1995	female	immature	new shell	68.7319064	1	6.8179589
1995	female	mature	new shell	34.4964022	1	12.0424626
1995	female	mature	old shell	663.562207	1	0.59362832
1996	female	immature	new shell	68.2673079	1	7.43245177
1996	female	mature	new shell	28.7131968	1	10.4046668
1996	female	mature	old shell	274.880246	1	1.36459027
1997	female	immature	new shell	46.6219135	1	5.6308496
1997	female	mature	new shell	103.603173	1	3.3672535
1997	female	mature	old shell	211.480854	1	2.19727386
1998	female	immature	new shell	170.738083	1	2.35537917
1998	female	mature	new shell	66.5421805	1	5.94827024
1998	female	mature	old shell	249.593808	1	2.74309891
1999	female	immature	new shell	69.2103481	1	4.86277097
1999	female	mature	new shell	21.5337586	1	11.1471607
1999	female	mature	old shell	148.458732	1	2.54270607
2000	female	immature	new shell	80.9929969	1	2.96314653
2000	female	mature	new shell	57.5759204	1	4.72810162
2000	female	mature	old shell	35.6752534	1	9.9425285
2001	female	immature	new shell	167.938195	1	2.09768698
2001	female	mature	new shell	146.053579	1	5.16638222
2001	female	mature	old shell	69.2626933	1	4.31835548
2002	female	immature	new shell	50.1475836	1	5.56635498
2002	female	mature	new shell	43.175647	1	7.76775635
2002	female	mature	old shell	99.874611	1	2.88782328
2003	female	immature	new shell	71.1292564	1	4.54447755
2003	female	mature	new shell	108.14274	1	3.23168077
2003	female	mature	old shell	43.6309075	1	9.68174041
2004	female	immature	new shell	58.3822627	1	6.6308605
2004	female	mature	new shell	186.162269	1	1.39787411
2004	female	mature	old shell	41.9603196	1	10.2952784
2005	female	immature	new shell	299.80947	1	1.85416558
2005	female	mature	new shell	149.259351	1	4.00366955
2005	female	mature	old shell	264.770941	1	2.86076101
2006	female	immature	new shell	52.9871651	1	7.42337678
2006	female	mature	new shell	272.5158	1	2.02187761
2006	female	mature	old shell	118.908351	1	3.73797921
2007	female	immature	new shell	162.052285	1	2.85790213
2007	female	mature	new shell	65.6714819	1	6.35863976
2007	female	mature	old shell	778.018605	1	0.73818724

	2008	female	immature	new shell	86.681905	1	4.61191159
	2008	female	mature	new shell	93.7674672	1	4.77664577
	2008	female	mature	old shell	466.040191	1	1.26623802
	2009	female	immature	new shell	24.1104264	1	9.59474474
	2009	female	mature	new shell	38.7167475	1	5.61394329
	2009	female	mature	old shell	413.319803	1	0.96069768
	2010	female	immature	new shell	102.272029	1	4.09340214
	2010	female	mature	new shell	192.161946	1	2.09460831
	2010	female	mature	old shell	972.432214	1	0.89173419
	2011	female	immature	new shell	84.0519667	1	4.79097313
	2011	female	mature	new shell	31.3914837	1	7.39669634
	2011	female	mature	old shell	259.968625	1	2.23708832
	2012	female	immature	new shell	69.4033452	1	5.51253839
	2012	female	mature	new shell	48.1297499	1	5.20727263
	2012	female	mature	old shell	286.757682	1	1.34819045
	2013	female	immature	new shell	99.5373756	1	4.74365867
	2013	female	mature	new shell	320.113886	1	0.97694817
	2013	female	mature	old shell	67.3964065	1	4.66042526
	2014	female	immature	new shell	20.4409059	1	19.1681345
	2014	female	mature	new shell	46.8420619	1	4.88216512
	2014	female	mature	old shell	87.8663272	1	4.04453827
	2015	female	immature	new shell	83.9336144	1	5.088021
	2015	female	mature	new shell	17.2576105	1	14.0900719
	2015	female	mature	old shell	100.01632	1	3.45637081
	2016	female	immature	new shell	49.4115941	1	8.62381362
	2016	female	mature	new shell	76.2393386	1	7.55505378
	2016	female	mature	old shell	48.1853857	1	5.67708303
	2017	female	immature	new shell	16.1842705	1	11.8950741
	2017	female	mature	new shell	26.4164943	1	17.2596778
	2017	female	mature	old shell	81.3570098	1	2.84006339
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.25528735	20	1.23826104
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	25.1164663	1	13.5200829
	1981	male	all maturity st	all shell condi	2661.63593	1	0.3807383
	1982	male	all maturity st	all shell condi	444.591989	1	2.10422899
	1983	male	all maturity st	all shell condi	38.64486	1	1.6998939
	1984	male	all maturity st	all shell condi	281.724876	1	0.76214912
	1988	male	all maturity st	all shell condi	106.837933	1	5.66436097
	1989	male	all maturity st	all shell condi	783.294882	1	0.48488678

	1990	male	all maturity st	all shell condi	138.490693	1	5.71346696
	1991	male	all maturity st	all shell condi	270.389996	1	3.31105038
	1992	male	all maturity st	all shell condi	78.6143606	1	13.0380275
	1993	male	all maturity st	all shell condi	202.044076	1	6.48928611
	1994	male	all maturity st	all shell condi	115.932852	1	13.304604
	1995	male	all maturity st	all shell condi	91.4141478	1	0.53389007
	1996	male	all maturity st	all shell condi	127.508491	1	1.44716607
	2005	male	all maturity st	all shell condi	15.8821535	1	1.34263937
	2006	male	all maturity st	all shell condi	186.330382	1	0.68322627
	2007	male	all maturity st	all shell condi	744.96863	1	0.87422026
	2008	male	all maturity st	all shell condi	465.404983	1	0.64116993
	2009	male	all maturity st	all shell condi	94.3766552	1	0.83394729
	2013	male	all maturity st	all shell condi	429.933499	1	0.49384023
	2014	male	all maturity st	all shell condi	424.029205	1	1.97696285
	2015	male	all maturity st	all shell condi	312.512426	1	4.75004928
all		male	all maturity st	all shell condi	0.22654882	20	0.3336084
all		female	all maturity st	all shell condi	0.50235575	20	1.64034846
	1991	male	all maturity st	all shell condi	477.009878	1	3.04330131
	1991	female	all maturity st	all shell condi	493.595645	1	1.04952461
	1992	male	all maturity st	all shell condi	135.834428	1	17.6056484
	1992	female	all maturity st	all shell condi	729.880013	1	0.42382364
	1993	male	all maturity st	all shell condi	103.348943	1	17.71841
	1993	female	all maturity st	all shell condi	358.52741	1	0.72625828
	1994	male	all maturity st	all shell condi	91.6218601	1	4.42798255
	1994	female	all maturity st	all shell condi	72.1354605	1	1.296279
	1995	male	all maturity st	all shell condi	394.001313	1	0.83727933
	1995	female	all maturity st	all shell condi	122.28083	1	0.85350107
	1996	male	all maturity st	all shell condi	34.1793468	1	1.24945529
	1996	female	all maturity st	all shell condi	161.431517	1	0.06846262
	2005	male	all maturity st	all shell condi	129.323727	1	12.4070955
	2005	female	all maturity st	all shell condi	42.8144098	1	0.95409449
	2006	male	all maturity st	all shell condi	390.719403	1	3.87296003
	2006	female	all maturity st	all shell condi	310.950718	1	0.83245408
	2007	male	all maturity st	all shell condi	707.850049	1	3.84207292
	2007	female	all maturity st	all shell condi	333.554753	1	0.3539437
	2008	male	all maturity st	all shell condi	686.980669	1	3.82932557
	2008	female	all maturity st	all shell condi	44.8275588	1	0.33227919
	2009	male	all maturity st	all shell condi	209.063712	1	5.64700854
	2009	female	all maturity st	all shell condi	23.5791587	1	0.18018014
	2013	male	all maturity st	all shell condi	3558.59637	1	0.92644292
	2013	female	all maturity st	all shell condi	66.7231765	1	0.51010758

	2014	male	all maturity st	all shell condi	352.273018	1	7.84237493
	2014	female	all maturity st	all shell condi	157.188918	1	0.25326106
	2015	male	all maturity st	all shell condi	195.842632	1	10.2265144
	2015	female	all maturity st	all shell condi	75.7039305	1	1.18308632
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.03950427	20	0.01950735
all		female	all maturity st	all shell condi	0.30268923	20	1.14525961
	1992	male	all maturity st	all shell condi	134.84737	1	3.07662861
	1992	female	all maturity st	all shell condi	19.1112784	1	0.98585208
	1993	male	all maturity st	all shell condi	292.970336	1	0.84815318
	1993	female	all maturity st	all shell condi	31.0161085	1	1.27070839
	1994	male	all maturity st	all shell condi	169.932274	1	0.62087604
	1994	female	all maturity st	all shell condi	39.0988536	1	1.93995619
	1995	male	all maturity st	all shell condi	212.25065	1	0.3338441
	1995	female	all maturity st	all shell condi	40.6783447	1	0.30727312
	1996	male	all maturity st	all shell condi	49.0201496	1	4.34437507
	1996	female	all maturity st	all shell condi	43.8849386	1	0.4734105
	1997	male	all maturity st	all shell condi	418.02897	1	0.97441627
	1997	female	all maturity st	all shell condi	115.490881	1	0.18893013
	1998	male	all maturity st	all shell condi	329.79471	1	0.37067739
	1998	female	all maturity st	all shell condi	19.8738627	1	0.34739231
	1999	male	all maturity st	all shell condi	160.593981	1	0.32603561
	1999	female	all maturity st	all shell condi	30.5939777	1	0.0663891
	2000	male	all maturity st	all shell condi	214.019053	1	0.31235087
	2000	female	all maturity st	all shell condi	35.7162884	1	0.08497001
	2001	male	all maturity st	all shell condi	560.071209	1	0.28733788
	2001	female	all maturity st	all shell condi	152.762118	1	0.05093353
	2002	male	all maturity st	all shell condi	63.4427003	1	0.75374092
	2002	female	all maturity st	all shell condi	45.0666365	1	0.0687012
	2003	male	all maturity st	all shell condi	117.097231	1	0.36726089
	2003	female	all maturity st	all shell condi	44.035497	1	0.10361929
	2004	male	all maturity st	all shell condi	24.1785118	1	1.7755933
	2004	female	all maturity st	all shell condi	31.1939496	1	0.84449611
	2005	male	all maturity st	all shell condi	109.092837	1	4.9081314
	2005	female	all maturity st	all shell condi	131.15743	1	0.13653245
	2006	male	all maturity st	all shell condi	74.4880661	1	6.06542168
	2006	female	all maturity st	all shell condi	40.9665114	1	1.1639802
	2007	male	all maturity st	all shell condi	310.815864	1	2.50797123
	2007	female	all maturity st	all shell condi	41.6327902	1	0.43073715
	2008	male	all maturity st	all shell condi	88.0817332	1	7.32223132

	2008	female	all maturity st	all shell condi	15.7621777	1	2.1601103
	2009	male	all maturity st	all shell condi	447.297189	1	2.01226914
	2009	female	all maturity st	all shell condi	25.3914386	1	0.82809507
	2010	male	all maturity st	all shell condi	312.684577	1	1.49875098
	2010	female	all maturity st	all shell condi	89.7413162	1	0.16280441
	2011	male	all maturity st	all shell condi	187.904617	1	3.57856089
	2011	female	all maturity st	all shell condi	58.585222	1	0.15864682
	2012	male	all maturity st	all shell condi	143.8466	1	3.4178359
	2012	female	all maturity st	all shell condi	54.0863347	1	0.14952834
	2013	male	all maturity st	all shell condi	287.747236	1	2.30663836
	2013	female	all maturity st	all shell condi	154.277005	1	0.09943484
	2014	male	all maturity st	all shell condi	378.891174	1	3.44458818
	2014	female	all maturity st	all shell condi	74.7976589	1	0.39226007
	2015	male	all maturity st	all shell condi	514.159344	1	1.89693504
	2015	female	all maturity st	all shell condi	94.4558421	1	0.10302117
	2016	male	all maturity st	all shell condi	363.70028	1	2.84472713
	2016	female	all maturity st	all shell condi	95.7841925	1	0.10501434
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.02839083	20	0.01773286
	1973	male	all maturity st	all shell condi	302.961797	1	-1.4763275
	1973	female	all maturity st	all shell condi	337.187191	1	3.88527419
	1974	male	all maturity st	all shell condi	145.99297	1	0.78375251
	1974	female	all maturity st	all shell condi	309.515554	1	2.41306107
	1975	male	all maturity st	all shell condi	124.037247	1	0.34956254
	1975	female	all maturity st	all shell condi	223.335686	1	1.72912696
	1976	male	all maturity st	all shell condi	79.8902413	1	-0.9484895
	1976	female	all maturity st	all shell condi	115.179778	1	21.141638
	1977	male	all maturity st	all shell condi	133.699662	1	0.70986315
	1977	female	all maturity st	all shell condi	180.669674	1	16.5765975
	1978	male	all maturity st	all shell condi	163.000416	1	1.97748773
	1978	female	all maturity st	all shell condi	152.802199	1	24.2023959
	1979	male	all maturity st	all shell condi	547.728486	1	-2.9879449
	1979	female	all maturity st	all shell condi	407.751117	1	11.3033761
	1980	male	all maturity st	all shell condi	768.289426	1	4.46202207
	1980	female	all maturity st	all shell condi	853.928061	1	0.25833292
	1981	male	all maturity st	all shell condi	699.838297	1	-4.0986969
	1981	female	all maturity st	all shell condi	72.8610174	1	11.5517173
	1982	male	all maturity st	all shell condi	575.801626	1	1.16752901
	1982	female	all maturity st	all shell condi	90.1113383	1	16.5896619
	1983	male	all maturity st	all shell condi	429.619325	1	22.257065
	1983	female	all maturity st	all shell condi	322.419559	1	-7.0942923

1984	male	all maturity st	all shell condi	488.895416	1	25.1309916
1984	female	all maturity st	all shell condi	570.503752	1	-11.344488
1985	male	all maturity st	all shell condi	221.387472	1	18.2651319
1985	female	all maturity st	all shell condi	308.746496	1	-1.8664115
1986	male	all maturity st	all shell condi	255.71061	1	12.0355189
1986	female	all maturity st	all shell condi	124.04907	1	3.52440183
1987	male	all maturity st	all shell condi	199.851376	1	21.114845
1987	female	all maturity st	all shell condi	866.524225	1	2.77567902
1988	male	all maturity st	all shell condi	237.777426	1	6.19114102
1988	female	all maturity st	all shell condi	222.747391	1	9.16875984
1989	male	all maturity st	all shell condi	408.077806	1	-1.2783021
1989	female	all maturity st	all shell condi	730.516025	1	15.4000487
1990	male	all maturity st	all shell condi	736.401724	1	16.3533366
1990	female	all maturity st	all shell condi	274.810762	1	-6.61844
1991	male	all maturity st	all shell condi	291.847298	1	1.44291314
1991	female	all maturity st	all shell condi	164.979844	1	6.56157082
1992	male	all maturity st	all shell condi	190.494691	1	5.06191818
1992	female	all maturity st	all shell condi	64.6572876	1	2.42775552
1993	male	all maturity st	all shell condi	69.5906664	1	4.08045926
1993	female	all maturity st	all shell condi	99.259881	1	-0.6017806
1994	male	all maturity st	all shell condi	223.339862	1	3.55987943
1994	female	all maturity st	all shell condi	388.234047	1	0.32841918
1995	male	all maturity st	all shell condi	68.4510591	1	10.1652196
1995	female	all maturity st	all shell condi	69.115549	1	3.02545775
1996	male	all maturity st	all shell condi	182.645928	1	13.4737265
1996	female	all maturity st	all shell condi	337.377135	1	-4.678204
1997	male	all maturity st	all shell condi	54.5022916	1	19.3490639
1997	female	all maturity st	all shell condi	164.928551	1	5.61124787
1998	male	all maturity st	all shell condi	132.290615	1	7.64918008
1998	female	all maturity st	all shell condi	244.132494	1	7.78698199
1999	male	all maturity st	all shell condi	327.622038	1	5.46599
1999	female	all maturity st	all shell condi	698.843097	1	2.88220854
2000	male	all maturity st	all shell condi	270.561656	1	7.59887944
2000	female	all maturity st	all shell condi	443.659457	1	1.02010815
2001	male	all maturity st	all shell condi	508.001259	1	9.95589042
2001	female	all maturity st	all shell condi	1126.87974	1	-3.5728468
2002	male	all maturity st	all shell condi	402.386489	1	11.058582
2002	female	all maturity st	all shell condi	739.185909	1	-0.1109333
2003	male	all maturity st	all shell condi	206.762818	1	4.04112539
2003	female	all maturity st	all shell condi	320.327406	1	4.44267549
2004	male	all maturity st	all shell condi	108.929725	1	-2.4373642

	2004	female	all maturity st	all shell condi	31.9073644	1	39.2621772
	2005	male	all maturity st	all shell condi	1296.28913	1	4.31805634
	2005	female	all maturity st	all shell condi	1580.4539	1	0.89759975
	2006	male	all maturity st	all shell condi	187.274452	1	12.8520745
	2006	female	all maturity st	all shell condi	184.736615	1	2.29004274
	2007	male	all maturity st	all shell condi	175.999135	1	10.2703894
	2007	female	all maturity st	all shell condi	106.406813	1	8.00771899
	2008	male	all maturity st	all shell condi	165.208291	1	26.4356362
	2008	female	all maturity st	all shell condi	218.144229	1	-9.1573183
	2009	male	all maturity st	all shell condi	308.771708	1	13.7834344
	2009	female	all maturity st	all shell condi	541.873809	1	-7.1457027
	2010	male	all maturity st	all shell condi	504.823211	1	6.4937615
	2010	female	all maturity st	all shell condi	1363.50081	1	-2.8125863
	2011	male	all maturity st	all shell condi	86.9063655	1	10.5885387
	2011	female	all maturity st	all shell condi	70.738069	1	20.5950358
	2012	male	all maturity st	all shell condi	275.486237	1	-6.7106323
	2012	female	all maturity st	all shell condi	130.799805	1	13.327157
	2013	male	all maturity st	all shell condi	228.983715	1	2.09112501
	2013	female	all maturity st	all shell condi	730.539262	1	9.39930286
	2014	male	all maturity st	all shell condi	1064.82907	1	9.43092692
	2014	female	all maturity st	all shell condi	734.863999	1	-5.7959361
	2015	male	all maturity st	all shell condi	220.849249	1	14.760457
	2015	female	all maturity st	all shell condi	312.265317	1	0.84769131
	2016	male	all maturity st	all shell condi	207.431448	1	-4.1776738
	2016	female	all maturity st	all shell condi	52.3636919	1	25.9021283
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.02790324	20	0.0089538
all		female	all maturity st	all shell condi	0.00935671	20	0.0010068
	1992	male	all maturity st	all shell condi	74.0714207	1	1.61235448
	1992	female	all maturity st	all shell condi	78.0261857	1	0.12977253
	1993	male	all maturity st	all shell condi	143.250816	1	2.32090342
	1993	female	all maturity st	all shell condi	363.319744	1	0.23811155
	1996	male	all maturity st	all shell condi	74.7723809	1	0.10400066
	1996	female	all maturity st	all shell condi	3.52602335	1	0.03164689
	1997	male	all maturity st	all shell condi	16.79899	1	2.98510208
	1997	female	all maturity st	all shell condi	30.2356058	1	0.05312009
	1998	male	all maturity st	all shell condi	45.4796092	1	0.47490126
	1998	female	all maturity st	all shell condi	21.6302464	1	0.07083086
	1999	male	all maturity st	all shell condi	58.2107868	1	0.23961883
	1999	female	all maturity st	all shell condi	19.0935176	1	0.02530275

2000	male	all maturity st	all shell condi	182.822	1	0.55861967
2000	female	all maturity st	all shell condi	42.7436657	1	0.05876821
2001	male	all maturity st	all shell condi	113.262373	1	0.27428744
2001	female	all maturity st	all shell condi	54.9884731	1	0.03655448
2002	male	all maturity st	all shell condi	102.197718	1	0.45459448
2002	female	all maturity st	all shell condi	34.7806993	1	0.05095575
2003	male	all maturity st	all shell condi	88.6143099	1	0.45174181
2003	female	all maturity st	all shell condi	51.6641726	1	0.09285381
2004	male	all maturity st	all shell condi	41.901424	1	0.61993705
2004	female	all maturity st	all shell condi	20.795589	1	0.05806231
2005	male	all maturity st	all shell condi	54.7263945	1	1.34630622
2005	female	all maturity st	all shell condi	13.4606919	1	0.16457727
2006	male	all maturity st	all shell condi	25.4349577	1	1.83795227
2006	female	all maturity st	all shell condi	26.4234593	1	0.25374268
2007	male	all maturity st	all shell condi	118.850649	1	0.89740863
2007	female	all maturity st	all shell condi	104.945518	1	0.08756568
2008	male	all maturity st	all shell condi	53.3552782	1	3.38127885
2008	female	all maturity st	all shell condi	106.532796	1	0.11257561
2009	male	all maturity st	all shell condi	20.8522791	1	7.41694952
2009	female	all maturity st	all shell condi	123.232253	1	0.04771649
2010	male	all maturity st	all shell condi	57.0821622	1	0.73206068
2010	female	all maturity st	all shell condi	36.1346379	1	0.0451697
2011	male	all maturity st	all shell condi	82.2581402	1	0.28853585
2011	female	all maturity st	all shell condi	5.52419901	1	0.02106675
2012	male	all maturity st	all shell condi	87.2862332	1	0.52759824
2012	female	all maturity st	all shell condi	6.59459108	1	0.22394941
2013	male	all maturity st	all shell condi	61.091246	1	1.79239082
2013	female	all maturity st	all shell condi	9.70033275	1	0.17620318
2014	male	all maturity st	all shell condi	146.460329	1	1.3515374
2014	female	all maturity st	all shell condi	21.1896564	1	0.07186589
2015	male	all maturity st	all shell condi	265.264732	1	0.59555265
2015	female	all maturity st	all shell condi	96.5563575	1	0.07552562
2016	male	all maturity st	all shell condi	26.2202283	1	6.56201352
2016	female	all maturity st	all shell condi	19.9580279	1	0.51277787
2015	male	immature	new shell	0.53522989	1	91.8033636
2016	male	immature	new shell	0.53522989	1	102.51758
2015	female	immature	new shell	0.38614434	1	73.8124383
2016	female	immature	new shell	0.38614434	1	64.7433043
1994	male	immature	new shell	0.55423077	0	12.6240003
1995	male	immature	new shell	0.55423077	0	29.5366565
1996	male	immature	new shell	0.55423077	0	347.066572

1997	male	immature	new shell	0.55423077	0	444.962336
1998	male	immature	new shell	0.55423077	0	453.503237
1999	male	immature	new shell	0.55423077	0	427.345127
2000	male	immature	new shell	0.55423077	0	711.718659
2001	male	immature	new shell	0.55423077	0	821.331425
2002	male	immature	new shell	0.55423077	0	715.454289
2003	male	immature	new shell	0.55423077	0	241.174456
2004	male	immature	new shell	0.55423077	0	164.310945
2005	male	immature	new shell	0.55423077	0	81.8263485
2006	male	immature	new shell	0.55423077	0	9.65511194
2011	male	immature	new shell	0.55423077	0	2.04930825
2012	male	immature	new shell	0.55423077	0	2.73557133
1994	female	immature	new shell	0.51613174	0	16.0246063
1995	female	immature	new shell	0.51613174	0	15.9946093
1996	female	immature	new shell	0.51613174	0	218.145153
1997	female	immature	new shell	0.51613174	0	169.681749
1998	female	immature	new shell	0.51613174	0	235.77748
1999	female	immature	new shell	0.51613174	0	321.941161
2000	female	immature	new shell	0.51613174	0	598.822111
2001	female	immature	new shell	0.51613174	0	557.610382
2002	female	immature	new shell	0.51613174	0	324.605643
2003	female	immature	new shell	0.51613174	0	91.9040147
2004	female	immature	new shell	0.51613174	0	99.3575469
2005	female	immature	new shell	0.51613174	0	23.5832682
2006	female	immature	new shell	0.51613174	0	7.27465185
2012	female	immature	new shell	0.51613174	0	2.29067953
1990	male		new shell	5.08246941	1	59.3132986
1991	male		new shell	5.08246941	1	61.4074099
1992	male		new shell	5.08246941	1	18.6899492
1993	male		new shell	5.08246941	1	29.9149546
1994	male		new shell	5.08246941	1	22.7125566
1995	male		new shell	5.08246941	1	13.94882
1997	male		new shell	5.08246941	1	9.58756699
1998	male		new shell	5.08246941	1	27.5130525
1999	male		new shell	5.08246941	1	11.605768
2000	male		new shell	5.08246941	1	22.6620837
2001	male		new shell	5.08246941	1	27.4882998
2002	male		new shell	5.08246941	1	20.4218949
2003	male		new shell	5.08246941	1	13.3131054
2004	male		new shell	5.08246941	1	18.5657191
2005	male		new shell	5.08246941	1	67.0529823

	2008	male		new shell	5.08246941	1	56.804023
	2010	male		new shell	5.08246941	1	71.2623957
	2012	male		new shell	5.08246941	1	15.3009587
	2014	male		new shell	5.08246941	1	26.3195384
	2016	male		new shell	5.08246941	1	38.3862916
	2017	male		new shell	5.08246941	1	18.2321526
all		male	immature	new shell	0.09975135	1	2642.74626
all		male	mature	new shell	0.09975135	1	2642.74626
all		male	immature	old shell	0.09975135	1	2642.74626
all		male	mature	old shell	0.09975135	1	2642.74626
all		female	immature	new shell	0.09975135	1	2642.74626
all		female	mature	new shell	0.09975135	1	2642.74626
all		female	immature	old shell	0.09975135	1	2642.74626
all		female	mature	old shell	0.09975135	1	2642.74626
all		male	immature	new shell	0.09975135	1	25270.8083
all		male	mature	new shell	0.09975135	1	25270.8083
all		male	immature	old shell	0.09975135	1	25270.8083
all		male	mature	old shell	0.09975135	1	25270.8083
all		female	immature	new shell	0.09975135	1	25270.8083
all		female	mature	new shell	0.09975135	1	25270.8083
all		female	immature	old shell	0.09975135	1	25270.8083
all		female	mature	old shell	0.09975135	1	25270.8083
all		male	immature	all shell condi	3.32407893	0	237.564266
all		male	mature	all shell condi	2.74069254	0	161.495005
all		female	immature	all shell condi	3.00936652	0	194.710168
all		female	mature	all shell condi	2.53670558	0	138.349817
all		male	mature	all shell condi	2.22968004	0	106.886671
all		female	mature	all shell condi	2.33737816	0	117.461739
	1975	male	immature	all shell condi	938.249961	0	11.2645582
	1975	male	mature	all shell condi	70.4203543	0	50.2008755
	1975	female	immature	all shell condi	213.69212	0	6.16826938
	1975	female	mature	all shell condi	66.8895726	0	-15.309981
	1976	male	immature	all shell condi	152.350026	0	27.6466285
	1976	male	mature	all shell condi	172.474549	0	0.91836769
	1976	female	immature	all shell condi	78.3563589	0	24.7543515
	1976	female	mature	all shell condi	88.4245583	0	-13.046286
	1977	male	immature	all shell condi	198.189767	0	12.9790571
	1977	male	mature	all shell condi	152.608251	0	-8.7881333
	1977	female	immature	all shell condi	27.3627563	0	51.8577855
	1977	female	mature	all shell condi	163.897265	0	-11.336953
	1978	male	immature	all shell condi	253.829239	0	8.13856036

1978	male	mature	all shell condi	236.990324	0	0.57601125
1978	female	immature	all shell condi	53.9006472	0	25.8015208
1978	female	mature	all shell condi	347.959349	0	-7.9759361
1979	male	immature	all shell condi	175.617235	0	16.0994359
1979	male	mature	all shell condi	248.995543	0	-7.7255908
1979	female	immature	all shell condi	350.450879	0	-2.6101955
1979	female	mature	all shell condi	109.93702	0	16.6188585
1980	male	immature	all shell condi	112.740623	0	26.8052272
1980	male	mature	all shell condi	168.997049	0	-11.717824
1980	female	immature	all shell condi	766.095593	0	0.92258793
1980	female	mature	all shell condi	61.4139901	0	13.4832739
1981	male	immature	all shell condi	485.413094	0	6.54446925
1981	male	mature	all shell condi	509.297572	0	-11.218144
1981	female	immature	all shell condi	142.719992	0	-6.3855609
1981	female	mature	all shell condi	28.1424048	0	54.9745295
1982	male	immature	all shell condi	182.231777	0	-12.231895
1982	male	mature	all shell condi	258.316076	0	-13.46569
1982	female	immature	all shell condi	103.978155	0	-8.2343933
1982	female	mature	all shell condi	6.03147331	0	148.962426
1983	male	immature	all shell condi	144.978453	0	7.34524741
1983	male	mature	all shell condi	440.723907	0	-6.5791923
1983	female	immature	all shell condi	149.213064	0	7.59894851
1983	female	mature	all shell condi	77.7289512	0	24.6715771
1984	male	immature	all shell condi	263.004372	0	-11.548
1984	male	mature	all shell condi	311.65839	0	11.5151602
1984	female	immature	all shell condi	126.563335	0	-7.4037226
1984	female	mature	all shell condi	46.5490128	0	37.9350349
1985	male	immature	all shell condi	129.26512	0	-16.579045
1985	male	mature	all shell condi	73.3638305	0	35.7677876
1985	female	immature	all shell condi	64.9000673	0	-21.642459
1985	female	mature	all shell condi	28.0914796	0	53.2593704
1986	male	immature	all shell condi	320.065144	0	7.87932256
1986	male	mature	all shell condi	95.3172438	0	24.9798113
1986	female	immature	all shell condi	105.300323	0	-9.3252055
1986	female	mature	all shell condi	232.370067	0	2.96734515
1987	male	immature	all shell condi	160.602237	0	7.18095124
1987	male	mature	all shell condi	812.381528	0	6.39422296
1987	female	immature	all shell condi	44.9028863	0	51.0696085
1987	female	mature	all shell condi	230.701675	0	-4.3345542
1988	male	immature	all shell condi	603.552369	0	1.43788953
1988	male	mature	all shell condi	554.126415	0	10.5918754

1988	female	immature	all shell condi	199.956515	0	-9.3853364
1988	female	mature	all shell condi	105.958034	0	17.7241891
1989	male	immature	all shell condi	195.493119	0	10.466814
1989	male	mature	all shell condi	839.19349	0	2.70853436
1989	female	immature	all shell condi	128.97816	0	12.3182902
1989	female	mature	all shell condi	190.902469	0	-5.8435688
1990	male	immature	all shell condi	646.958226	0	1.93554967
1990	male	mature	all shell condi	627.133803	0	-5.3393782
1990	female	immature	all shell condi	305.753046	0	5.14193029
1990	female	mature	all shell condi	430.961458	0	10.221057
1991	male	immature	all shell condi	287.162877	0	9.19598196
1991	male	mature	all shell condi	761.43653	0	-9.1176345
1991	female	immature	all shell condi	152.811844	0	6.96326218
1991	female	mature	all shell condi	1076.80812	0	8.09925171
1992	male	immature	all shell condi	610.905091	0	11.3035583
1992	male	mature	all shell condi	414.062124	0	2.16858834
1992	female	immature	all shell condi	358.174503	0	2.31858487
1992	female	mature	all shell condi	2829.55851	0	-3.5637973
1993	male	immature	all shell condi	395.707743	0	17.4201559
1993	male	mature	all shell condi	510.528911	0	7.70645926
1993	female	immature	all shell condi	670.024735	0	2.2335002
1993	female	mature	all shell condi	240.366067	0	-15.313501
1994	male	immature	all shell condi	289.738024	0	10.3514962
1994	male	mature	all shell condi	686.886388	0	2.0575697
1994	female	immature	all shell condi	95.3697302	0	16.2803208
1994	female	mature	all shell condi	393.385145	0	-12.709412
1995	male	immature	all shell condi	350.565781	0	-5.4405035
1995	male	mature	all shell condi	575.409132	0	4.98348954
1995	female	immature	all shell condi	261.57952	0	-5.6062102
1995	female	mature	all shell condi	150.663147	0	22.3803623
1996	male	immature	all shell condi	538.795682	0	-3.1470577
1996	male	mature	all shell condi	560.56992	0	8.46980954
1996	female	immature	all shell condi	241.495626	0	-4.812412
1996	female	mature	all shell condi	309.706889	0	12.5254559
1997	male	immature	all shell condi	245.875287	0	8.63410454
1997	male	mature	all shell condi	1138.6241	0	-4.7239687
1997	female	immature	all shell condi	82.6233667	0	21.4630429
1997	female	mature	all shell condi	430.550703	0	-8.7485459
1998	male	immature	all shell condi	104.972788	0	22.9330167
1998	male	mature	all shell condi	1461.62262	0	-4.3893254
1998	female	immature	all shell condi	193.425551	0	18.9830203

1998	female	mature	all shell condi	127.196388	0	-12.15255
1999	male	immature	all shell condi	142.591756	0	17.5659893
1999	male	mature	all shell condi	813.902262	0	-0.2425871
1999	female	immature	all shell condi	168.350695	0	10.1118391
1999	female	mature	all shell condi	276.08886	0	-7.5167958
2000	male	immature	all shell condi	132.920286	0	12.8374613
2000	male	mature	all shell condi	2091.65209	0	2.97669182
2000	female	immature	all shell condi	263.572118	0	2.60115167
2000	female	mature	all shell condi	311.184446	0	-4.4583857
2001	male	immature	all shell condi	194.868824	0	17.137439
2001	male	mature	all shell condi	711.283808	0	-5.3591976
2001	female	immature	all shell condi	283.93594	0	12.8486529
2001	female	mature	all shell condi	277.34269	0	-6.3332496
2002	male	immature	all shell condi	122.82163	0	12.9600302
2002	male	mature	all shell condi	1414.08475	0	-2.4049665
2002	female	immature	all shell condi	105.884263	0	16.4833318
2002	female	mature	all shell condi	562.787876	0	-5.2207093
2003	male	immature	all shell condi	291.552115	0	9.25781805
2003	male	mature	all shell condi	1813.71621	0	1.72843775
2003	female	immature	all shell condi	228.15297	0	-4.9533689
2003	female	mature	all shell condi	312.443359	0	7.91657396
2004	male	immature	all shell condi	197.828538	0	5.99338
2004	male	mature	all shell condi	479.562296	0	12.2087729
2004	female	immature	all shell condi	162.673775	0	11.0283185
2004	female	mature	all shell condi	254.346961	0	-5.5242137
2005	male	immature	all shell condi	305.131058	0	4.64031435
2005	male	mature	all shell condi	1544.63738	0	-4.1793323
2005	female	immature	all shell condi	243.31431	0	17.8911965
2005	female	mature	all shell condi	972.709275	0	-4.2004633
2006	male	immature	all shell condi	292.491663	0	12.9094511
2006	male	mature	all shell condi	983.091096	0	2.11016383
2006	female	immature	all shell condi	202.855394	0	9.68389583
2006	female	mature	all shell condi	453.38826	0	-7.112391
2007	male	immature	all shell condi	197.187962	0	28.227243
2007	male	mature	all shell condi	603.679067	0	4.26728207
2007	female	immature	all shell condi	1050.82556	0	-0.1408734
2007	female	mature	all shell condi	157.249616	0	-12.697062
2008	male	immature	all shell condi	572.524099	0	13.6075108
2008	male	mature	all shell condi	793.617435	0	3.50326819
2008	female	immature	all shell condi	603.094517	0	2.00762629
2008	female	mature	all shell condi	463.87038	0	-8.7100391

	2009	male	immature	all shell condi	178.80748	0	6.97926455
	2009	male	mature	all shell condi	541.835865	0	7.05948929
	2009	female	immature	all shell condi	88.7958738	0	2.02800647
	2009	female	mature	all shell condi	1732.31965	0	1.21756395
	2010	male	immature	all shell condi	561.335444	0	2.69403676
	2010	male	mature	all shell condi	426.364686	0	12.5935818
	2010	female	immature	all shell condi	239.191346	0	-3.7567842
	2010	female	mature	all shell condi	3452.88118	0	-2.5153659
	2011	male	immature	all shell condi	450.382939	0	10.967246
	2011	male	mature	all shell condi	2016.69153	0	0.95239742
	2011	female	immature	all shell condi	272.414016	0	7.22329334
	2011	female	mature	all shell condi	276.247055	0	-6.1122239
	2012	male	immature	all shell condi	303.585464	0	18.7059884
	2012	male	mature	all shell condi	1068.67498	0	0.51853284
	2012	female	immature	all shell condi	255.003261	0	0.51835149
	2012	female	mature	all shell condi	511.528287	0	-4.9706069
	2013	male	immature	all shell condi	745.194242	0	12.6987285
	2013	male	mature	all shell condi	380.769862	0	4.36304679
	2013	female	immature	all shell condi	529.415371	0	0.45012736
	2013	female	mature	all shell condi	974.273735	0	-5.1065214
	2014	male	immature	all shell condi	321.696956	0	17.9547909
	2014	male	mature	all shell condi	541.368992	0	2.17778182
	2014	female	immature	all shell condi	101.639171	0	14.8513001
	2014	female	mature	all shell condi	286.954586	0	-11.072616
	2015	male	immature	all shell condi	806.581949	0	10.2738762
	2015	male	mature	all shell condi	678.785959	0	2.14063586
	2015	female	immature	all shell condi	643.164415	0	2.48292806
	2015	female	mature	all shell condi	328.639845	0	-2.2641156
	2016	male	immature	all shell condi	472.097712	0	9.42888928
	2016	male	mature	all shell condi	180.21354	0	22.0341097
	2016	female	immature	all shell condi	414.719167	0	-0.2813385
	2016	female	mature	all shell condi	227.841546	0	-8.624426
	2017	male	immature	all shell condi	106.70063	0	-1.2688852
	2017	male	mature	all shell condi	128.178996	0	27.407212
	2017	female	immature	all shell condi	80.824513	0	2.22088018
	2017	female	mature	all shell condi	512.854901	0	1.70217136
all		male	all maturity st	new shell	3.3873524	0	246.69436
all		male	all maturity st	old shell	4.87801369	0	511.592878
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	2.53056944	1	137.681307

all		male	all maturity st	old shell	3.86484101	1	321.145414
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
	1975	male	all maturity st	new shell	58.9842737	1	28.8540662
	1975	male	all maturity st	old shell	24.5286045	1	43.8313741
	1976	male	all maturity st	new shell	119.022309	1	13.6737769
	1976	male	all maturity st	old shell	19.3046533	1	61.3861178
	1977	male	all maturity st	new shell	129.321456	1	11.430876
	1977	male	all maturity st	old shell	73.7251709	1	20.0059501
	1978	male	all maturity st	new shell	85.2824035	1	14.8233558
	1978	male	all maturity st	old shell	53.6072531	1	23.8833716
	1979	male	all maturity st	new shell	138.595977	1	6.68441799
	1979	male	all maturity st	old shell	32.2216465	1	39.8660466
	1980	male	all maturity st	new shell	110.83481	1	7.38445052
	1980	male	all maturity st	old shell	32.7492567	1	41.0719692
	1981	male	all maturity st	new shell	102.023348	1	11.5090198
	1981	male	all maturity st	old shell	26.1344073	1	43.5298392
	1982	male	all maturity st	new shell	54.8228182	1	21.0648258
	1982	male	all maturity st	old shell	281.213983	1	4.36471576
	1983	male	all maturity st	new shell	49.7098219	1	20.0806268
	1983	male	all maturity st	old shell	83.8271536	1	14.0549033
	1984	male	all maturity st	new shell	88.8436243	1	6.87511021
	1984	male	all maturity st	old shell	61.4818981	1	17.807478
	1985	male	all maturity st	new shell	67.836366	1	15.2823089
	1985	male	all maturity st	old shell	54.6342429	1	22.7997202
	1986	male	all maturity st	new shell	84.0846798	1	12.9804677
	1986	male	all maturity st	old shell	93.1170093	1	11.9707785
	1987	male	all maturity st	new shell	63.4097579	1	12.8649818
	1987	male	all maturity st	old shell	192.375756	1	10.1389784
	1988	male	all maturity st	new shell	140.45889	1	8.04824145
	1988	male	all maturity st	old shell	221.599502	1	9.35828523
	1989	male	all maturity st	new shell	117.422918	1	8.99595538
	1989	male	all maturity st	old shell	394.961959	1	6.6669136
	1990	male	all maturity st	new shell	308.000462	1	4.06462892
	1990	male	all maturity st	old shell	300.282161	1	5.78376748
	1991	male	all maturity st	new shell	169.518616	1	7.35136843
	1991	male	all maturity st	old shell	296.044932	1	6.08437818
	1992	male	all maturity st	new shell	252.241554	1	5.26776163
	1992	male	all maturity st	old shell	109.05986	1	10.1019849
	1993	male	all maturity st	new shell	341.646051	1	3.6204748
	1993	male	all maturity st	old shell	203.729688	1	5.23250258

1994	male	all maturity st	new shell	190.200799	1	5.43483157
1994	male	all maturity st	old shell	151.040972	1	7.69343419
1995	male	all maturity st	new shell	97.9970295	1	9.00086718
1995	male	all maturity st	old shell	125.660277	1	11.7931396
1996	male	all maturity st	new shell	128.319689	1	10.8507687
1996	male	all maturity st	old shell	92.3512215	1	12.2327318
1997	male	all maturity st	new shell	116.853402	1	8.3157492
1997	male	all maturity st	old shell	207.18151	1	9.87881034
1998	male	all maturity st	new shell	76.1207578	1	10.8177969
1998	male	all maturity st	old shell	269.900425	1	5.69869233
1999	male	all maturity st	new shell	97.6484634	1	8.78090814
1999	male	all maturity st	old shell	112.957998	1	10.1852206
2000	male	all maturity st	new shell	93.0758081	1	6.11013217
2000	male	all maturity st	old shell	166.193582	1	8.61268931
2001	male	all maturity st	new shell	124.187019	1	8.82669593
2001	male	all maturity st	old shell	289.438918	1	7.34213178
2002	male	all maturity st	new shell	52.494559	1	14.6799612
2002	male	all maturity st	old shell	345.900124	1	4.96845837
2003	male	all maturity st	new shell	137.121862	1	7.90523749
2003	male	all maturity st	old shell	298.025814	1	6.57459625
2004	male	all maturity st	new shell	96.6920093	1	9.27933096
2004	male	all maturity st	old shell	57.7917454	1	36.2655976
2005	male	all maturity st	new shell	133.776372	1	7.80930692
2005	male	all maturity st	old shell	421.228551	1	6.08990281
2006	male	all maturity st	new shell	127.204693	1	10.0164692
2006	male	all maturity st	old shell	364.742901	1	7.50428217
2007	male	all maturity st	new shell	257.13664	1	6.50186433
2007	male	all maturity st	old shell	218.434788	1	13.3502277
2008	male	all maturity st	new shell	422.606764	1	3.42885141
2008	male	all maturity st	old shell	134.31001	1	12.357948
2009	male	all maturity st	new shell	54.6667873	1	12.5317898
2009	male	all maturity st	old shell	117.313622	1	9.9453805
2010	male	all maturity st	new shell	93.999052	1	11.8708474
2010	male	all maturity st	old shell	175.547918	1	7.64817957
2011	male	all maturity st	new shell	284.688656	1	2.64639954
2011	male	all maturity st	old shell	176.660689	1	8.33500795
2012	male	all maturity st	new shell	315.674859	1	2.80400643
2012	male	all maturity st	old shell	148.038432	1	8.43312422
2013	male	all maturity st	new shell	224.356967	1	5.69717696
2013	male	all maturity st	old shell	233.930812	1	10.0147516
2014	male	all maturity st	new shell	241.694751	1	6.63811359

	2014	male	all maturity st	old shell	157.282367	1	8.29314351
	2015	male	all maturity st	new shell	547.144869	1	4.45833225
	2015	male	all maturity st	old shell	191.786012	1	7.31108029
	2016	male	all maturity st	new shell	194.758867	1	8.25424449
	2016	male	all maturity st	old shell	111.500435	1	11.374831
	2017	male	all maturity st	new shell	29.5107728	1	14.0998984
	2017	male	all maturity st	old shell	98.6788262	1	11.5432171
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	3.00936652	0	194.710168
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.26589521	0	110.387044
all		female	mature	old shell	3.09514228	0	205.967973
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.68154634	1	154.599852
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.12900081	1	97.4518556
all		female	mature	old shell	2.85008888	1	174.644643
	1975	female	immature	new shell	24.4771094	1	17.4909676
	1975	female	mature	new shell	79.3627894	1	4.01844216
	1975	female	mature	old shell	9.0819757	1	28.2490713
	1976	female	immature	new shell	34.0011049	1	10.4764199
	1976	female	mature	new shell	114.299918	1	3.29862595
	1976	female	mature	old shell	10.2747585	1	27.6328921
	1977	female	immature	new shell	36.933917	1	8.18561556
	1977	female	mature	new shell	194.170121	1	3.60131511
	1977	female	mature	old shell	30.0028459	1	10.9327296
	1978	female	immature	new shell	24.1340978	1	10.9974956
	1978	female	mature	new shell	133.660148	1	2.22257037
	1978	female	mature	old shell	51.9493494	1	5.87912215
	1979	female	immature	new shell	41.2530844	1	5.42857121
	1979	female	mature	new shell	31.5688297	1	11.2318643
	1979	female	mature	old shell	33.8550717	1	8.8377416
	1980	female	immature	new shell	90.2525407	1	3.76798091
	1980	female	mature	new shell	11.3290934	1	18.8214957
	1980	female	mature	old shell	30.9001863	1	8.46860366

1981	female	immature	new shell	37.3231556	1	11.4852031
1981	female	mature	new shell	10.1587246	1	31.0035367
1981	female	mature	old shell	134.059878	1	3.92350344
1982	female	immature	new shell	46.9774309	1	17.0002563
1982	female	mature	new shell	8.40072839	1	27.5940666
1982	female	mature	old shell	21.3248646	1	12.6660761
1983	female	immature	new shell	35.9589581	1	8.78685474
1983	female	mature	new shell	56.9611946	1	7.14026844
1983	female	mature	old shell	62.4155914	1	4.35635377
1984	female	immature	new shell	29.5949671	1	7.03839405
1984	female	mature	new shell	28.664069	1	7.65382806
1984	female	mature	old shell	212.503969	1	2.0603668
1985	female	immature	new shell	72.3349966	1	5.79109231
1985	female	mature	new shell	13.3115389	1	35.2295992
1985	female	mature	old shell	264.603195	1	2.10183822
1986	female	immature	new shell	53.179449	1	7.87476529
1986	female	mature	new shell	8.33988382	1	29.6741697
1986	female	mature	old shell	34.8381354	1	8.89679058
1987	female	immature	new shell	16.6623978	1	39.3710527
1987	female	mature	new shell	36.7993636	1	10.4414937
1987	female	mature	old shell	23.8818076	1	16.4772528
1988	female	immature	new shell	110.28971	1	6.25184484
1988	female	mature	new shell	15.3405186	1	23.0115772
1988	female	mature	old shell	37.5393795	1	9.94888052
1989	female	immature	new shell	44.8317963	1	5.70385311
1989	female	mature	new shell	33.5005868	1	9.55867869
1989	female	mature	old shell	45.8557696	1	9.78404457
1990	female	immature	new shell	62.938663	1	5.64159779
1990	female	mature	new shell	144.131487	1	2.52595029
1990	female	mature	old shell	45.7260146	1	8.75698679
1991	female	immature	new shell	21.3958792	1	13.903992
1991	female	mature	new shell	77.5762652	1	3.84206342
1991	female	mature	old shell	238.113019	1	2.19814377
1992	female	immature	new shell	32.6237927	1	12.2281684
1992	female	mature	new shell	57.8537071	1	6.50371467
1992	female	mature	old shell	260.067202	1	1.73023431
1993	female	immature	new shell	63.5293216	1	6.95753388
1993	female	mature	new shell	26.0643462	1	10.3298792
1993	female	mature	old shell	248.733191	1	1.22724831
1994	female	immature	new shell	29.4659424	1	10.4846487
1994	female	mature	new shell	36.5280298	1	10.1238979

1994	female	mature	old shell	445.207791	1	1.14373797
1995	female	immature	new shell	71.694615	1	6.49297319
1995	female	mature	new shell	33.0560224	1	12.463334
1995	female	mature	old shell	599.202673	1	0.62846354
1996	female	immature	new shell	68.0712511	1	7.34771062
1996	female	mature	new shell	30.8981553	1	9.8535287
1996	female	mature	old shell	270.659878	1	1.36875317
1997	female	immature	new shell	47.4647643	1	5.53603356
1997	female	mature	new shell	108.838812	1	3.29693769
1997	female	mature	old shell	211.250532	1	2.20390687
1998	female	immature	new shell	161.751336	1	2.37457308
1998	female	mature	new shell	71.0236237	1	5.78858517
1998	female	mature	old shell	246.757416	1	2.77824677
1999	female	immature	new shell	67.4852902	1	4.94909247
1999	female	mature	new shell	21.8059955	1	11.003166
1999	female	mature	old shell	146.375428	1	2.65528882
2000	female	immature	new shell	78.0642379	1	3.08740216
2000	female	mature	new shell	65.2473551	1	4.21913974
2000	female	mature	old shell	36.1910567	1	9.80621604
2001	female	immature	new shell	164.656727	1	2.17408296
2001	female	mature	new shell	141.465497	1	5.48859997
2001	female	mature	old shell	72.1804963	1	4.23846274
2002	female	immature	new shell	49.0648711	1	5.69995534
2002	female	mature	new shell	39.7417503	1	8.28153608
2002	female	mature	old shell	105.670515	1	2.86838817
2003	female	immature	new shell	71.3259976	1	4.59241806
2003	female	mature	new shell	103.708739	1	3.45865152
2003	female	mature	old shell	41.7200248	1	10.0692865
2004	female	immature	new shell	63.7415701	1	6.23624858
2004	female	mature	new shell	189.05522	1	1.44723682
2004	female	mature	old shell	41.8936991	1	10.4629211
2005	female	immature	new shell	304.000888	1	1.81708716
2005	female	mature	new shell	151.669927	1	4.20794525
2005	female	mature	old shell	236.52924	1	3.06966725
2006	female	immature	new shell	52.992526	1	7.4549604
2006	female	mature	new shell	286.777506	1	2.05029637
2006	female	mature	old shell	109.671668	1	4.04245582
2007	female	immature	new shell	170.26692	1	2.74301839
2007	female	mature	new shell	70.8271731	1	6.25336319
2007	female	mature	old shell	681.756839	1	0.82878464
2008	female	immature	new shell	83.6299077	1	4.74093015

	2008	female	mature	new shell	86.9048063	1	5.04198769
	2008	female	mature	old shell	424.662973	1	1.43296441
	2009	female	immature	new shell	24.6358129	1	9.35090347
	2009	female	mature	new shell	39.2124879	1	5.60452752
	2009	female	mature	old shell	354.540844	1	1.09285844
	2010	female	immature	new shell	105.643282	1	4.1580323
	2010	female	mature	new shell	204.699157	1	2.026933
	2010	female	mature	old shell	801.765555	1	1.01752159
	2011	female	immature	new shell	90.0007596	1	4.60706736
	2011	female	mature	new shell	31.6973004	1	7.32564171
	2011	female	mature	old shell	273.90635	1	2.2334972
	2012	female	immature	new shell	64.368834	1	5.86511136
	2012	female	mature	new shell	48.6269415	1	5.16386981
	2012	female	mature	old shell	278.526544	1	1.36969608
	2013	female	immature	new shell	97.8600954	1	4.76176837
	2013	female	mature	new shell	295.918094	1	1.05309324
	2013	female	mature	old shell	67.4477708	1	4.61555092
	2014	female	immature	new shell	19.9143185	1	19.5548504
	2014	female	mature	new shell	46.0253628	1	5.01900221
	2014	female	mature	old shell	87.5220982	1	4.03250572
	2015	female	immature	new shell	84.4576926	1	5.03019104
	2015	female	mature	new shell	16.6594492	1	14.6935076
	2015	female	mature	old shell	90.068334	1	3.7973212
	2016	female	immature	new shell	49.028199	1	8.68842248
	2016	female	mature	new shell	73.3858146	1	7.80956697
	2016	female	mature	old shell	44.4260453	1	6.19777884
	2017	female	immature	new shell	16.6906563	1	11.5704086
	2017	female	mature	new shell	25.0738345	1	17.9999007
	2017	female	mature	old shell	74.2609848	1	3.14189961
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.25278035	20	1.21406021
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	19.7568073	1	16.6722011
	1981	male	all maturity st	all shell condi	513.316632	1	0.78834692
	1982	male	all maturity st	all shell condi	262.298624	1	2.78397281
	1983	male	all maturity st	all shell condi	40.0418079	1	1.63325986
	1984	male	all maturity st	all shell condi	319.661404	1	0.75143507
	1988	male	all maturity st	all shell condi	72.5204797	1	7.46210307
	1989	male	all maturity st	all shell condi	315.84388	1	0.70613937
	1990	male	all maturity st	all shell condi	85.4447749	1	8.24921902

	1991	male	all maturity st	all shell condi	298.5424	1	3.23073637
	1992	male	all maturity st	all shell condi	76.2792814	1	13.7348117
	1993	male	all maturity st	all shell condi	184.54547	1	7.46531504
	1994	male	all maturity st	all shell condi	122.398487	1	13.2946655
	1995	male	all maturity st	all shell condi	86.8777445	1	0.59493624
	1996	male	all maturity st	all shell condi	121.630179	1	1.72890941
	2005	male	all maturity st	all shell condi	15.3533996	1	1.39320824
	2006	male	all maturity st	all shell condi	197.762199	1	0.75170674
	2007	male	all maturity st	all shell condi	817.652104	1	1.01781579
	2008	male	all maturity st	all shell condi	429.493616	1	0.73140681
	2009	male	all maturity st	all shell condi	80.8907202	1	0.9827619
	2013	male	all maturity st	all shell condi	510.944724	1	0.48739255
	2014	male	all maturity st	all shell condi	320.193036	1	2.74573663
	2015	male	all maturity st	all shell condi	223.443897	1	6.62409383
all		male	all maturity st	all shell condi	0.21637333	20	0.30431321
all		female	all maturity st	all shell condi	0.50021931	20	1.62642585
	1991	male	all maturity st	all shell condi	462.692837	1	3.23502896
	1991	female	all maturity st	all shell condi	446.809099	1	1.06364994
	1992	male	all maturity st	all shell condi	135.973013	1	18.0751875
	1992	female	all maturity st	all shell condi	771.393451	1	0.42992293
	1993	male	all maturity st	all shell condi	109.432059	1	17.7378903
	1993	female	all maturity st	all shell condi	362.20136	1	0.70183738
	1994	male	all maturity st	all shell condi	111.003203	1	3.93543204
	1994	female	all maturity st	all shell condi	74.4226834	1	1.29864331
	1995	male	all maturity st	all shell condi	513.325838	1	0.76192018
	1995	female	all maturity st	all shell condi	128.633922	1	0.83636208
	1996	male	all maturity st	all shell condi	35.5297235	1	1.26210907
	1996	female	all maturity st	all shell condi	149.299616	1	0.07137431
	2005	male	all maturity st	all shell condi	118.51609	1	13.5733329
	2005	female	all maturity st	all shell condi	42.2505539	1	0.97103353
	2006	male	all maturity st	all shell condi	383.816278	1	4.36588156
	2006	female	all maturity st	all shell condi	287.637595	1	0.85566368
	2007	male	all maturity st	all shell condi	523.61899	1	4.864174
	2007	female	all maturity st	all shell condi	322.038822	1	0.35553388
	2008	male	all maturity st	all shell condi	701.010924	1	4.33840897
	2008	female	all maturity st	all shell condi	44.0024525	1	0.33863299
	2009	male	all maturity st	all shell condi	176.700053	1	6.67381088
	2009	female	all maturity st	all shell condi	23.9267916	1	0.17684669
	2013	male	all maturity st	all shell condi	3166.52899	1	1.10379582
	2013	female	all maturity st	all shell condi	66.4285387	1	0.50316354
	2014	male	all maturity st	all shell condi	265.94267	1	9.6149093

	2014	female	all maturity st	all shell condi	152.138575	1	0.2629437
	2015	male	all maturity st	all shell condi	152.694112	1	12.6498483
	2015	female	all maturity st	all shell condi	75.3812716	1	1.20919393
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.04006574	20	0.0200658
all		female	all maturity st	all shell condi	0.30138654	20	1.13542307
	1992	male	all maturity st	all shell condi	130.803106	1	3.2170485
	1992	female	all maturity st	all shell condi	18.835492	1	1.02402086
	1993	male	all maturity st	all shell condi	277.563774	1	0.9030265
	1993	female	all maturity st	all shell condi	30.1066058	1	1.32819884
	1994	male	all maturity st	all shell condi	189.322339	1	0.5426034
	1994	female	all maturity st	all shell condi	39.2675901	1	1.91900752
	1995	male	all maturity st	all shell condi	190.053615	1	0.36583792
	1995	female	all maturity st	all shell condi	38.8617706	1	0.32371582
	1996	male	all maturity st	all shell condi	46.5312759	1	4.58963374
	1996	female	all maturity st	all shell condi	41.6173035	1	0.51238697
	1997	male	all maturity st	all shell condi	410.294089	1	1.01219198
	1997	female	all maturity st	all shell condi	113.111813	1	0.19479278
	1998	male	all maturity st	all shell condi	297.848979	1	0.39038059
	1998	female	all maturity st	all shell condi	19.6564895	1	0.35509731
	1999	male	all maturity st	all shell condi	136.533237	1	0.36950293
	1999	female	all maturity st	all shell condi	29.9164384	1	0.06775424
	2000	male	all maturity st	all shell condi	193.978859	1	0.33394724
	2000	female	all maturity st	all shell condi	35.4989821	1	0.08461141
	2001	male	all maturity st	all shell condi	609.317778	1	0.28473051
	2001	female	all maturity st	all shell condi	154.194473	1	0.04977192
	2002	male	all maturity st	all shell condi	66.5908711	1	0.74342641
	2002	female	all maturity st	all shell condi	44.9887421	1	0.06970258
	2003	male	all maturity st	all shell condi	119.306897	1	0.37902011
	2003	female	all maturity st	all shell condi	43.2752091	1	0.10630366
	2004	male	all maturity st	all shell condi	24.9827766	1	1.77235022
	2004	female	all maturity st	all shell condi	31.0411309	1	0.85641863
	2005	male	all maturity st	all shell condi	111.909974	1	4.81566504
	2005	female	all maturity st	all shell condi	117.144955	1	0.14358877
	2006	male	all maturity st	all shell condi	75.1486972	1	6.00383887
	2006	female	all maturity st	all shell condi	37.3105488	1	1.21709852
	2007	male	all maturity st	all shell condi	314.423478	1	2.51366448
	2007	female	all maturity st	all shell condi	38.223745	1	0.45638145
	2008	male	all maturity st	all shell condi	85.6475441	1	7.57873143
	2008	female	all maturity st	all shell condi	16.241377	1	2.14002181

	2009	male	all maturity st	all shell condi	428.52377	1	2.03097499
	2009	female	all maturity st	all shell condi	27.0957682	1	0.7982879
	2010	male	all maturity st	all shell condi	299.781294	1	1.54326195
	2010	female	all maturity st	all shell condi	90.6207987	1	0.15727112
	2011	male	all maturity st	all shell condi	181.292892	1	3.70116265
	2011	female	all maturity st	all shell condi	55.7399566	1	0.15744061
	2012	male	all maturity st	all shell condi	130.817612	1	3.56455954
	2012	female	all maturity st	all shell condi	54.2963649	1	0.14298185
	2013	male	all maturity st	all shell condi	294.865982	1	2.25198127
	2013	female	all maturity st	all shell condi	144.129863	1	0.10246697
	2014	male	all maturity st	all shell condi	378.513864	1	3.47015551
	2014	female	all maturity st	all shell condi	85.5373218	1	0.36320454
	2015	male	all maturity st	all shell condi	487.036831	1	1.97744627
	2015	female	all maturity st	all shell condi	85.8193873	1	0.10887953
	2016	male	all maturity st	all shell condi	348.80377	1	2.94681879
	2016	female	all maturity st	all shell condi	86.4962815	1	0.11109571
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.03572811	20	0.02808295
	1973	male	all maturity st	all shell condi	381.317612	1	-2.1650846
	1973	female	all maturity st	all shell condi	351.62795	1	4.03086255
	1974	male	all maturity st	all shell condi	189.614299	1	-0.0259535
	1974	female	all maturity st	all shell condi	306.257801	1	2.51563545
	1975	male	all maturity st	all shell condi	165.934166	1	0.03179935
	1975	female	all maturity st	all shell condi	237.400389	1	1.73774768
	1976	male	all maturity st	all shell condi	87.5874654	1	-1.5448023
	1976	female	all maturity st	all shell condi	105.304805	1	22.2735713
	1977	male	all maturity st	all shell condi	124.898656	1	1.38668307
	1977	female	all maturity st	all shell condi	137.200581	1	18.7300173
	1978	male	all maturity st	all shell condi	140.272688	1	4.50333943
	1978	female	all maturity st	all shell condi	148.089416	1	25.062754
	1979	male	all maturity st	all shell condi	383.257583	1	-0.1202312
	1979	female	all maturity st	all shell condi	363.805688	1	10.8656503
	1980	male	all maturity st	all shell condi	1114.47815	1	5.22001584
	1980	female	all maturity st	all shell condi	630.51219	1	-0.7318571
	1981	male	all maturity st	all shell condi	1081.42115	1	-3.4606637
	1981	female	all maturity st	all shell condi	73.4823449	1	10.5356483
	1982	male	all maturity st	all shell condi	766.331266	1	2.14473233
	1982	female	all maturity st	all shell condi	90.1902792	1	14.9954615
	1983	male	all maturity st	all shell condi	447.637202	1	21.9124805
	1983	female	all maturity st	all shell condi	303.666348	1	-7.1124464
	1984	male	all maturity st	all shell condi	516.301943	1	23.2615422

1984	female	all maturity st	all shell condi	602.892251	1	-10.432457
1985	male	all maturity st	all shell condi	214.85902	1	18.350953
1985	female	all maturity st	all shell condi	311.944686	1	-1.4964608
1986	male	all maturity st	all shell condi	178.365672	1	14.3713395
1986	female	all maturity st	all shell condi	114.975602	1	3.97233855
1987	male	all maturity st	all shell condi	189.589329	1	21.3785218
1987	female	all maturity st	all shell condi	861.611277	1	3.36522912
1988	male	all maturity st	all shell condi	233.701256	1	6.21746223
1988	female	all maturity st	all shell condi	220.516675	1	9.41293992
1989	male	all maturity st	all shell condi	416.618813	1	-1.4025366
1989	female	all maturity st	all shell condi	841.312249	1	14.9649587
1990	male	all maturity st	all shell condi	797.472894	1	16.4312589
1990	female	all maturity st	all shell condi	278.908132	1	-6.8227475
1991	male	all maturity st	all shell condi	299.718714	1	1.59842857
1991	female	all maturity st	all shell condi	159.816788	1	6.57716493
1992	male	all maturity st	all shell condi	186.520995	1	5.37144232
1992	female	all maturity st	all shell condi	63.0058471	1	2.50677402
1993	male	all maturity st	all shell condi	70.6382949	1	4.12945244
1993	female	all maturity st	all shell condi	97.1816521	1	-0.6390925
1994	male	all maturity st	all shell condi	220.626793	1	3.73774701
1994	female	all maturity st	all shell condi	369.277035	1	0.13903641
1995	male	all maturity st	all shell condi	67.1698561	1	10.3861761
1995	female	all maturity st	all shell condi	66.0068418	1	3.18910289
1996	male	all maturity st	all shell condi	196.023086	1	13.0555378
1996	female	all maturity st	all shell condi	347.947885	1	-4.7345593
1997	male	all maturity st	all shell condi	57.7079229	1	18.2247784
1997	female	all maturity st	all shell condi	168.198888	1	5.31158108
1998	male	all maturity st	all shell condi	146.241786	1	6.7488562
1998	female	all maturity st	all shell condi	247.910938	1	7.6082136
1999	male	all maturity st	all shell condi	355.346303	1	5.14020508
1999	female	all maturity st	all shell condi	748.901037	1	2.80822035
2000	male	all maturity st	all shell condi	279.610264	1	7.22814682
2000	female	all maturity st	all shell condi	450.676975	1	1.06395199
2001	male	all maturity st	all shell condi	606.158615	1	9.2122225
2001	female	all maturity st	all shell condi	1141.83817	1	-3.4873873
2002	male	all maturity st	all shell condi	436.619316	1	10.3343675
2002	female	all maturity st	all shell condi	737.480988	1	-0.0193691
2003	male	all maturity st	all shell condi	214.976305	1	4.01472311
2003	female	all maturity st	all shell condi	310.032615	1	4.5997242
2004	male	all maturity st	all shell condi	108.037805	1	-2.2906439
2004	female	all maturity st	all shell condi	31.7038293	1	39.5162274

	2005	male	all maturity st	all shell condi	1334.74179	1	4.36041742
	2005	female	all maturity st	all shell condi	1529.93756	1	0.87563395
	2006	male	all maturity st	all shell condi	170.354979	1	13.5616989
	2006	female	all maturity st	all shell condi	184.787273	1	2.2352381
	2007	male	all maturity st	all shell condi	170.942911	1	10.5892657
	2007	female	all maturity st	all shell condi	108.225658	1	7.70643986
	2008	male	all maturity st	all shell condi	160.957857	1	27.317956
	2008	female	all maturity st	all shell condi	221.698512	1	-9.3875317
	2009	male	all maturity st	all shell condi	270.097193	1	14.3762145
	2009	female	all maturity st	all shell condi	533.393807	1	-7.1469204
	2010	male	all maturity st	all shell condi	453.794368	1	6.71975756
	2010	female	all maturity st	all shell condi	1401.30007	1	-2.6984022
	2011	male	all maturity st	all shell condi	90.8357777	1	9.81407481
	2011	female	all maturity st	all shell condi	72.1427334	1	20.5146973
	2012	male	all maturity st	all shell condi	262.904457	1	-6.7488931
	2012	female	all maturity st	all shell condi	122.175042	1	13.8088992
	2013	male	all maturity st	all shell condi	247.278155	1	1.66140736
	2013	female	all maturity st	all shell condi	697.071422	1	9.52031449
	2014	male	all maturity st	all shell condi	927.648215	1	10.1642298
	2014	female	all maturity st	all shell condi	717.983508	1	-6.0754865
	2015	male	all maturity st	all shell condi	195.936138	1	16.7084801
	2015	female	all maturity st	all shell condi	322.032461	1	0.13014723
	2016	male	all maturity st	all shell condi	180.600449	1	-2.7244975
	2016	female	all maturity st	all shell condi	52.3678693	1	25.8289087
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.04163479	20	0.01993474
all		female	all maturity st	all shell condi	0.00884863	20	0.00090043
	1992	male	all maturity st	all shell condi	72.8132334	1	1.60091226
	1992	female	all maturity st	all shell condi	76.5157532	1	0.13087231
	1993	male	all maturity st	all shell condi	132.301191	1	2.44564268
	1993	female	all maturity st	all shell condi	369.810755	1	0.24066263
	1996	male	all maturity st	all shell condi	56.2739424	1	0.12513778
	1996	female	all maturity st	all shell condi	3.53448837	1	0.03165484
	1997	male	all maturity st	all shell condi	15.4084736	1	3.28317139
	1997	female	all maturity st	all shell condi	30.3135276	1	0.05353865
	1998	male	all maturity st	all shell condi	41.7135813	1	0.52037978
	1998	female	all maturity st	all shell condi	21.6527047	1	0.07072272
	1999	male	all maturity st	all shell condi	58.8877482	1	0.23411372
	1999	female	all maturity st	all shell condi	19.2182159	1	0.02551081
	2000	male	all maturity st	all shell condi	187.416718	1	0.548597

2000	female	all maturity st	all shell condi	43.4243566	1	0.05905402
2001	male	all maturity st	all shell condi	113.756601	1	0.2731549
2001	female	all maturity st	all shell condi	55.5644376	1	0.03627865
2002	male	all maturity st	all shell condi	104.757676	1	0.44422728
2002	female	all maturity st	all shell condi	35.0621187	1	0.05073915
2003	male	all maturity st	all shell condi	88.1467947	1	0.46030603
2003	female	all maturity st	all shell condi	51.3551648	1	0.09336818
2004	male	all maturity st	all shell condi	41.9001393	1	0.62563163
2004	female	all maturity st	all shell condi	20.845252	1	0.05796017
2005	male	all maturity st	all shell condi	55.0730619	1	1.34917927
2005	female	all maturity st	all shell condi	13.3580904	1	0.16569102
2006	male	all maturity st	all shell condi	25.6886366	1	1.82427944
2006	female	all maturity st	all shell condi	26.4730575	1	0.25630019
2007	male	all maturity st	all shell condi	125.680841	1	0.86297259
2007	female	all maturity st	all shell condi	102.486173	1	0.08858475
2008	male	all maturity st	all shell condi	51.6081487	1	3.50070204
2008	female	all maturity st	all shell condi	105.171437	1	0.11380334
2009	male	all maturity st	all shell condi	20.5857396	1	7.5060408
2009	female	all maturity st	all shell condi	127.35083	1	0.04767585
2010	male	all maturity st	all shell condi	57.9923799	1	0.72141461
2010	female	all maturity st	all shell condi	35.6460957	1	0.04599898
2011	male	all maturity st	all shell condi	83.8933752	1	0.28784265
2011	female	all maturity st	all shell condi	5.47787202	1	0.02128976
2012	male	all maturity st	all shell condi	96.0775973	1	0.48974687
2012	female	all maturity st	all shell condi	6.52552548	1	0.22860352
2013	male	all maturity st	all shell condi	62.2346504	1	1.74252525
2013	female	all maturity st	all shell condi	9.73786658	1	0.17693317
2014	male	all maturity st	all shell condi	149.750586	1	1.33127245
2014	female	all maturity st	all shell condi	21.5904077	1	0.07161204
2015	male	all maturity st	all shell condi	283.144707	1	0.57594461
2015	female	all maturity st	all shell condi	99.2316952	1	0.07432871
2016	male	all maturity st	all shell condi	26.9581618	1	6.4118158
2016	female	all maturity st	all shell condi	19.7590361	1	0.51338489
2015	male	immature	new shell	0.61217599	1	98.0110046
2016	male	immature	new shell	0.61217599	1	109.206421
2015	female	immature	new shell	0.43011224	1	75.8518799
2016	female	immature	new shell	0.43011224	1	67.2283531
1994	male	immature	new shell	0.62937594	0	13.4268227
1995	male	immature	new shell	0.62937594	0	31.7760458
1996	male	immature	new shell	0.62937594	0	366.935938
1997	male	immature	new shell	0.62937594	0	481.516007

1998	male	immature	new shell	0.62937594	0	497.631038
1999	male	immature	new shell	0.62937594	0	453.283976
2000	male	immature	new shell	0.62937594	0	751.6926
2001	male	immature	new shell	0.62937594	0	880.054718
2002	male	immature	new shell	0.62937594	0	771.780529
2003	male	immature	new shell	0.62937594	0	261.233264
2004	male	immature	new shell	0.62937594	0	174.962258
2005	male	immature	new shell	0.62937594	0	89.6128375
2006	male	immature	new shell	0.62937594	0	10.5504366
2011	male	immature	new shell	0.62937594	0	2.12217593
2012	male	immature	new shell	0.62937594	0	2.93039327
1994	female	immature	new shell	0.55058282	0	16.630203
1995	female	immature	new shell	0.55058282	0	16.7962869
1996	female	immature	new shell	0.55058282	0	222.746856
1997	female	immature	new shell	0.55058282	0	173.370057
1998	female	immature	new shell	0.55058282	0	241.836712
1999	female	immature	new shell	0.55058282	0	336.217239
2000	female	immature	new shell	0.55058282	0	622.554734
2001	female	immature	new shell	0.55058282	0	571.071311
2002	female	immature	new shell	0.55058282	0	324.254053
2003	female	immature	new shell	0.55058282	0	93.8590532
2004	female	immature	new shell	0.55058282	0	101.895186
2005	female	immature	new shell	0.55058282	0	23.5257351
2006	female	immature	new shell	0.55058282	0	7.17020821
2012	female	immature	new shell	0.55058282	0	2.29396298
1990	male		new shell	7.05261209	1	61.47495
1991	male		new shell	7.05261209	1	60.5965664
1992	male		new shell	7.05261209	1	18.8992733
1993	male		new shell	7.05261209	1	32.4249939
1994	male		new shell	7.05261209	1	24.2290174
1995	male		new shell	7.05261209	1	14.7938154
1997	male		new shell	7.05261209	1	8.99083139
1998	male		new shell	7.05261209	1	29.3512382
1999	male		new shell	7.05261209	1	10.6402407
2000	male		new shell	7.05261209	1	23.3865856
2001	male		new shell	7.05261209	1	28.6222275
2002	male		new shell	7.05261209	1	22.5568855
2003	male		new shell	7.05261209	1	15.1796578
2004	male		new shell	7.05261209	1	19.9869064
2005	male		new shell	7.05261209	1	72.2705138
2008	male		new shell	7.05261209	1	61.7920736

	2010	male		new shell	7.05261209	1	77.9120219
	2012	male		new shell	7.05261209	1	15.3482673
	2014	male		new shell	7.05261209	1	28.2133993
	2016	male		new shell	7.05261209	1	39.3726524
	2017	male		new shell	7.05261209	1	20.482963
all		male	immature	new shell	0.09975135	1	2880.06109
all		male	mature	new shell	0.09975135	1	2880.06109
all		male	immature	old shell	0.09975135	1	2880.06109
all		male	mature	old shell	0.09975135	1	2880.06109
all		female	immature	new shell	0.09975135	1	2880.06109
all		female	mature	new shell	0.09975135	1	2880.06109
all		female	immature	old shell	0.09975135	1	2880.06109
all		female	mature	old shell	0.09975135	1	2880.06109
all		male	immature	new shell	0.09975135	1	28631.2689
all		male	mature	new shell	0.09975135	1	28631.2689
all		male	immature	old shell	0.09975135	1	28631.2689
all		male	mature	old shell	0.09975135	1	28631.2689
all		female	immature	new shell	0.09975135	1	28631.2689
all		female	mature	new shell	0.09975135	1	28631.2689
all		female	immature	old shell	0.09975135	1	28631.2689
all		female	mature	old shell	0.09975135	1	28631.2689
all		male	immature	all shell condi	3.27028532	0	229.937471
all		male	mature	all shell condi	2.56238181	0	141.164712
all		female	immature	all shell condi	2.9683331	0	189.43653
all		female	mature	all shell condi	2.38295244	0	122.086941
all		male	mature	all shell condi	2.27379254	0	111.157849
all		female	mature	all shell condi	2.22626825	0	106.559812
	1975	male	immature	all shell condi	658.49664	0	10.9439256
	1975	male	mature	all shell condi	90.3147172	0	34.5778028
	1975	female	immature	all shell condi	189.783435	0	9.45913223
	1975	female	mature	all shell condi	112.900519	0	-13.080735
	1976	male	immature	all shell condi	238.864019	0	19.7891292
	1976	male	mature	all shell condi	153.26343	0	-7.8570841
	1976	female	immature	all shell condi	58.7335686	0	29.9471592
	1976	female	mature	all shell condi	182.841982	0	-9.0248853
	1977	male	immature	all shell condi	131.018798	0	15.5672843
	1977	male	mature	all shell condi	113.605137	0	-15.354165
	1977	female	immature	all shell condi	19.3010719	0	63.7604932
	1977	female	mature	all shell condi	410.80346	0	-7.7772599
	1978	male	immature	all shell condi	292.668605	0	7.79087405
	1978	male	mature	all shell condi	196.626217	0	-7.7430724

1978	female	immature	all shell condi	40.8270681	0	32.6176424
1978	female	mature	all shell condi	1132.42975	0	-4.8911952
1979	male	immature	all shell condi	106.105869	0	22.1169629
1979	male	mature	all shell condi	169.391872	0	-12.724218
1979	female	immature	all shell condi	299.508122	0	1.38178311
1979	female	mature	all shell condi	70.1870393	0	24.2407364
1980	male	immature	all shell condi	75.0190012	0	33.552442
1980	male	mature	all shell condi	108.28755	0	-15.229124
1980	female	immature	all shell condi	503.948718	0	5.45028666
1980	female	mature	all shell condi	43.7394913	0	22.767506
1981	male	immature	all shell condi	607.992774	0	4.48422573
1981	male	mature	all shell condi	219.964346	0	-15.361255
1981	female	immature	all shell condi	205.398961	0	-4.8159805
1981	female	mature	all shell condi	19.4726241	0	73.0749654
1982	male	immature	all shell condi	169.805399	0	-14.18869
1982	male	mature	all shell condi	307.848236	0	-11.875041
1982	female	immature	all shell condi	103.764697	0	-8.3324389
1982	female	mature	all shell condi	5.86262502	0	150.670774
1983	male	immature	all shell condi	135.436207	0	7.20957426
1983	male	mature	all shell condi	444.239638	0	-5.2127121
1983	female	immature	all shell condi	140.340153	0	7.90052772
1983	female	mature	all shell condi	77.8843574	0	24.8485598
1984	male	immature	all shell condi	265.933503	0	-11.95727
1984	male	mature	all shell condi	249.959881	0	13.9233941
1984	female	immature	all shell condi	127.273937	0	-8.0434645
1984	female	mature	all shell condi	46.9652711	0	37.8376666
1985	male	immature	all shell condi	149.05255	0	-17.376921
1985	male	mature	all shell condi	66.7846957	0	37.357635
1985	female	immature	all shell condi	70.3142571	0	-22.100819
1985	female	mature	all shell condi	30.029184	0	51.9171289
1986	male	immature	all shell condi	352.942077	0	8.15509297
1986	male	mature	all shell condi	100.471326	0	24.1818736
1986	female	immature	all shell condi	116.639082	0	-9.2855547
1986	female	mature	all shell condi	226.693016	0	2.20031056
1987	male	immature	all shell condi	181.772074	0	7.12528523
1987	male	mature	all shell condi	986.632797	0	4.92688747
1987	female	immature	all shell condi	47.0810027	0	50.4811904
1987	female	mature	all shell condi	196.446208	0	-5.0020985
1988	male	immature	all shell condi	511.069174	0	2.60022278
1988	male	mature	all shell condi	585.718413	0	10.3231314
1988	female	immature	all shell condi	168.701597	0	-9.0732276

1988	female	mature	all shell condi	106.240005	0	17.7476125
1989	male	immature	all shell condi	253.882772	0	8.63601104
1989	male	mature	all shell condi	747.403243	0	3.31058339
1989	female	immature	all shell condi	160.167242	0	10.4458868
1989	female	mature	all shell condi	199.823523	0	-5.36616
1990	male	immature	all shell condi	637.092506	0	0.26648752
1990	male	mature	all shell condi	622.445395	0	-4.300518
1990	female	immature	all shell condi	274.972364	0	4.73031194
1990	female	mature	all shell condi	351.019743	0	11.9265494
1991	male	immature	all shell condi	250.671024	0	7.99679042
1991	male	mature	all shell condi	672.708653	0	-8.0782859
1991	female	immature	all shell condi	133.303747	0	7.99909047
1991	female	mature	all shell condi	788.565592	0	9.86138007
1992	male	immature	all shell condi	566.608999	0	10.3417257
1992	male	mature	all shell condi	322.06858	0	2.25798329
1992	female	immature	all shell condi	368.527459	0	3.03768826
1992	female	mature	all shell condi	3142.64995	0	-2.212956
1993	male	immature	all shell condi	367.156626	0	17.9676825
1993	male	mature	all shell condi	481.680247	0	4.07956972
1993	female	immature	all shell condi	645.975071	0	2.98007499
1993	female	mature	all shell condi	290.048626	0	-13.677756
1994	male	immature	all shell condi	270.882366	0	11.3979656
1994	male	mature	all shell condi	635.557754	0	-2.3797851
1994	female	immature	all shell condi	89.7304398	0	17.2219797
1994	female	mature	all shell condi	500.412266	0	-10.835758
1995	male	immature	all shell condi	371.843194	0	-4.517688
1995	male	mature	all shell condi	525.695812	0	1.75789136
1995	female	immature	all shell condi	276.423519	0	-4.8736035
1995	female	mature	all shell condi	134.014695	0	24.1557595
1996	male	immature	all shell condi	598.585235	0	-1.9447503
1996	male	mature	all shell condi	595.847224	0	4.88469858
1996	female	immature	all shell condi	263.549449	0	-3.803652
1996	female	mature	all shell condi	292.801466	0	13.1580631
1997	male	immature	all shell condi	209.50959	0	10.8047407
1997	male	mature	all shell condi	1066.72308	0	-6.7245286
1997	female	immature	all shell condi	74.7195872	0	23.565831
1997	female	mature	all shell condi	391.617601	0	-9.1484624
1998	male	immature	all shell condi	100.018414	0	24.7379297
1998	male	mature	all shell condi	1247.53265	0	-5.727176
1998	female	immature	all shell condi	174.410897	0	20.6512779
1998	female	mature	all shell condi	119.944503	0	-12.474128

1999	male	immature	all shell condi	130.330559	0	19.184676
1999	male	mature	all shell condi	830.515455	0	-1.2092819
1999	female	immature	all shell condi	163.040454	0	10.7909794
1999	female	mature	all shell condi	258.119827	0	-7.8137843
2000	male	immature	all shell condi	134.811892	0	13.2955542
2000	male	mature	all shell condi	2242.50634	0	2.54869177
2000	female	immature	all shell condi	269.546303	0	2.59640126
2000	female	mature	all shell condi	298.210592	0	-4.5583681
2001	male	immature	all shell condi	182.609376	0	17.8993145
2001	male	mature	all shell condi	687.061858	0	-5.5923649
2001	female	immature	all shell condi	279.534713	0	12.9688059
2001	female	mature	all shell condi	259.625811	0	-6.5134652
2002	male	immature	all shell condi	122.181069	0	13.4284611
2002	male	mature	all shell condi	1456.82095	0	-2.7204479
2002	female	immature	all shell condi	106.321545	0	16.5926135
2002	female	mature	all shell condi	520.049815	0	-5.4774545
2003	male	immature	all shell condi	301.360543	0	9.21867071
2003	male	mature	all shell condi	2263.28206	0	1.65415306
2003	female	immature	all shell condi	220.332605	0	-5.231554
2003	female	mature	all shell condi	322.030768	0	7.8249643
2004	male	immature	all shell condi	178.179765	0	6.77185475
2004	male	mature	all shell condi	512.652411	0	11.8818758
2004	female	immature	all shell condi	151.045942	0	11.2926984
2004	female	mature	all shell condi	251.141629	0	-5.5716867
2005	male	immature	all shell condi	299.901943	0	4.49383587
2005	male	mature	all shell condi	1741.21228	0	-4.0383912
2005	female	immature	all shell condi	245.254197	0	17.8189657
2005	female	mature	all shell condi	957.156161	0	-4.2844271
2006	male	immature	all shell condi	319.472071	0	11.9908642
2006	male	mature	all shell condi	1250.52705	0	1.86255953
2006	female	immature	all shell condi	205.052382	0	9.77858653
2006	female	mature	all shell condi	444.280159	0	-7.2006385
2007	male	immature	all shell condi	213.93865	0	26.5682213
2007	male	mature	all shell condi	768.929606	0	4.23031061
2007	female	immature	all shell condi	1010.35616	0	-0.0711956
2007	female	mature	all shell condi	156.063577	0	-12.56642
2008	male	immature	all shell condi	717.500519	0	11.516813
2008	male	mature	all shell condi	1020.60967	0	4.33807072
2008	female	immature	all shell condi	636.772899	0	1.5429844
2008	female	mature	all shell condi	490.533697	0	-8.5146411
2009	male	immature	all shell condi	179.903416	0	6.13777086

	2009	male	mature	all shell condi	572.165114	0	8.06020297
	2009	female	immature	all shell condi	83.9451226	0	0.94664826
	2009	female	mature	all shell condi	1831.29417	0	1.63166412
	2010	male	immature	all shell condi	510.691458	0	3.03427257
	2010	male	mature	all shell condi	413.668719	0	13.0568422
	2010	female	immature	all shell condi	233.133779	0	-4.3429744
	2010	female	mature	all shell condi	2891.52865	0	-2.7419819
	2011	male	immature	all shell condi	387.304791	0	12.0965785
	2011	male	mature	all shell condi	2396.7056	0	0.70052444
	2011	female	immature	all shell condi	257.310678	0	7.74438261
	2011	female	mature	all shell condi	243.837734	0	-6.4789373
	2012	male	immature	all shell condi	312.572651	0	18.5139941
	2012	male	mature	all shell condi	1346.22862	0	0.22128663
	2012	female	immature	all shell condi	288.595	0	0.71446652
	2012	female	mature	all shell condi	458.85564	0	-5.5489926
	2013	male	immature	all shell condi	730.349502	0	11.8918629
	2013	male	mature	all shell condi	383.312128	0	4.67417572
	2013	female	immature	all shell condi	556.684861	0	0.93917672
	2013	female	mature	all shell condi	886.275323	0	-5.4776646
	2014	male	immature	all shell condi	341.842103	0	16.5658541
	2014	male	mature	all shell condi	634.845928	0	2.62275595
	2014	female	immature	all shell condi	105.919709	0	14.4287915
	2014	female	mature	all shell condi	287.017381	0	-11.060603
	2015	male	immature	all shell condi	907.774932	0	9.05369955
	2015	male	mature	all shell condi	720.787782	0	2.84184913
	2015	female	immature	all shell condi	663.639458	0	2.08784514
	2015	female	mature	all shell condi	363.209435	0	-2.2748707
	2016	male	immature	all shell condi	491.72571	0	8.51726391
	2016	male	mature	all shell condi	177.987457	0	22.9114688
	2016	female	immature	all shell condi	414.385479	0	-1.064321
	2016	female	mature	all shell condi	246.874918	0	-8.510976
	2017	male	immature	all shell condi	102.678774	0	-1.5730593
	2017	male	mature	all shell condi	113.801311	0	29.8824417
	2017	female	immature	all shell condi	78.8611046	0	0.91445727
	2017	female	mature	all shell condi	547.29518	0	2.08925637
all		male	all maturity st	new shell	3.37034923	0	244.223959
all		male	all maturity st	old shell	4.52745946	0	440.704617
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	2.61452643	1	146.968592
all		male	all maturity st	old shell	3.63479033	1	284.051565

all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
	1975	male	all maturity st	new shell	67.4945456	1	26.0815305
	1975	male	all maturity st	old shell	31.6915064	1	35.2889913
	1976	male	all maturity st	new shell	210.105656	1	7.43439288
	1976	male	all maturity st	old shell	21.0444729	1	54.3093491
	1977	male	all maturity st	new shell	84.6654257	1	14.5381956
	1977	male	all maturity st	old shell	89.0194151	1	15.7760432
	1978	male	all maturity st	new shell	153.250471	1	8.55344134
	1978	male	all maturity st	old shell	63.4952446	1	19.8066594
	1979	male	all maturity st	new shell	70.9260239	1	12.7644471
	1979	male	all maturity st	old shell	44.6037651	1	28.0505569
	1980	male	all maturity st	new shell	49.9100078	1	17.9046986
	1980	male	all maturity st	old shell	42.0905267	1	28.5637027
	1981	male	all maturity st	new shell	75.1813104	1	15.1116802
	1981	male	all maturity st	old shell	32.6378501	1	30.6051549
	1982	male	all maturity st	new shell	66.6729308	1	17.4635419
	1982	male	all maturity st	old shell	322.752406	1	4.47983449
	1983	male	all maturity st	new shell	44.3991341	1	21.9519093
	1983	male	all maturity st	old shell	85.7574527	1	14.156517
	1984	male	all maturity st	new shell	88.0236633	1	7.15192829
	1984	male	all maturity st	old shell	57.594444	1	18.8400102
	1985	male	all maturity st	new shell	83.2335532	1	13.5336367
	1985	male	all maturity st	old shell	50.0979752	1	24.727281
	1986	male	all maturity st	new shell	93.9889069	1	12.1546055
	1986	male	all maturity st	old shell	98.2388793	1	11.7830395
	1987	male	all maturity st	new shell	72.3298703	1	11.3740138
	1987	male	all maturity st	old shell	182.892485	1	10.5570491
	1988	male	all maturity st	new shell	128.505674	1	8.62054401
	1988	male	all maturity st	old shell	208.733696	1	9.5549445
	1989	male	all maturity st	new shell	140.486535	1	8.1951123
	1989	male	all maturity st	old shell	433.244488	1	6.30051654
	1990	male	all maturity st	new shell	295.745203	1	4.51454206
	1990	male	all maturity st	old shell	254.250437	1	6.60121297
	1991	male	all maturity st	new shell	136.105703	1	9.11742135
	1991	male	all maturity st	old shell	236.88097	1	6.65346746
	1992	male	all maturity st	new shell	199.582533	1	6.33563321
	1992	male	all maturity st	old shell	87.193012	1	11.48472
	1993	male	all maturity st	new shell	458.374906	1	2.77451416
	1993	male	all maturity st	old shell	154.024877	1	6.03963576
	1994	male	all maturity st	new shell	195.445744	1	5.22988277

1994	male	all maturity st	old shell	129.863079	1 7.31051586
1995	male	all maturity st	new shell	97.6085238	1 9.12103501
1995	male	all maturity st	old shell	109.594229	1 9.56115293
1996	male	all maturity st	new shell	135.109323	1 10.3949422
1996	male	all maturity st	old shell	92.0211297	1 9.66730033
1997	male	all maturity st	new shell	106.564452	1 8.69510759
1997	male	all maturity st	old shell	313.747341	1 6.33073943
1998	male	all maturity st	new shell	76.0634915	1 11.0177103
1998	male	all maturity st	old shell	320.22068	1 5.46955948
1999	male	all maturity st	new shell	92.1354318	1 9.04305261
1999	male	all maturity st	old shell	115.427004	1 10.5168098
2000	male	all maturity st	new shell	96.8490962	1 5.97979525
2000	male	all maturity st	old shell	175.565672	1 8.67398054
2001	male	all maturity st	new shell	118.439583	1 9.04351499
2001	male	all maturity st	old shell	287.176814	1 7.51228799
2002	male	all maturity st	new shell	52.5452622	1 14.7769943
2002	male	all maturity st	old shell	404.097626	1 4.8678192
2003	male	all maturity st	new shell	141.520352	1 7.50660348
2003	male	all maturity st	old shell	291.269855	1 6.90965253
2004	male	all maturity st	new shell	87.1937488	1 10.0856445
2004	male	all maturity st	old shell	60.4647067	1 34.5378502
2005	male	all maturity st	new shell	128.699217	1 8.05100008
2005	male	all maturity st	old shell	472.944804	1 5.80529154
2006	male	all maturity st	new shell	133.144173	1 9.49883937
2006	male	all maturity st	old shell	376.165054	1 7.54791461
2007	male	all maturity st	new shell	271.070538	1 5.96994187
2007	male	all maturity st	old shell	256.894921	1 11.9584444
2008	male	all maturity st	new shell	513.151383	1 2.87416101
2008	male	all maturity st	old shell	158.254515	1 11.151305
2009	male	all maturity st	new shell	57.8734705	1 11.6416566
2009	male	all maturity st	old shell	137.197251	1 8.68401025
2010	male	all maturity st	new shell	94.0245827	1 11.3575704
2010	male	all maturity st	old shell	216.449729	1 6.60538097
2011	male	all maturity st	new shell	242.226441	1 3.18502536
2011	male	all maturity st	old shell	198.549706	1 8.00818079
2012	male	all maturity st	new shell	315.118982	1 2.72884563
2012	male	all maturity st	old shell	153.810958	1 8.35458934
2013	male	all maturity st	new shell	199.326343	1 5.91741352
2013	male	all maturity st	old shell	250.680981	1 9.434482
2014	male	all maturity st	new shell	253.621491	1 6.11267098
2014	male	all maturity st	old shell	153.538964	1 8.25638417

	2015	male	all maturity st	new shell	590.240469	1	4.13275767
	2015	male	all maturity st	old shell	202.474523	1	6.94741843
	2016	male	all maturity st	new shell	194.963911	1	8.11314115
	2016	male	all maturity st	old shell	116.839239	1	10.865319
	2017	male	all maturity st	new shell	28.5147756	1	14.5983583
	2017	male	all maturity st	old shell	105.044779	1	10.9748698
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	2.9683331	0	189.43653
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.44773484	0	128.815226
all		female	mature	old shell	2.83109422	0	172.324532
all		male	immature	new shell	0	1	0
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all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.65196879	1	151.208177
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.29441165	1	113.182983
all		female	mature	old shell	2.63499289	1	149.278531
	1975	female	immature	new shell	27.818522	1	15.4692926
	1975	female	mature	new shell	147.637001	1	2.57655559
	1975	female	mature	old shell	11.813351	1	20.9979262
	1976	female	immature	new shell	37.0170389	1	9.24705367
	1976	female	mature	new shell	269.363238	1	2.16100848
	1976	female	mature	old shell	13.3230928	1	21.1616552
	1977	female	immature	new shell	28.8271901	1	10.8711076
	1977	female	mature	new shell	412.903833	1	2.34373614
	1977	female	mature	old shell	46.3092311	1	7.4747022
	1978	female	immature	new shell	23.7679451	1	11.7085826
	1978	female	mature	new shell	98.3309396	1	2.83113768
	1978	female	mature	old shell	92.9156867	1	3.53596841
	1979	female	immature	new shell	37.0911974	1	6.1419217
	1979	female	mature	new shell	23.7314652	1	14.733446
	1979	female	mature	old shell	54.1117049	1	5.77552293
	1980	female	immature	new shell	105.091081	1	3.66575467
	1980	female	mature	new shell	9.05260503	1	25.0660183
	1980	female	mature	old shell	45.9452572	1	5.32615835
	1981	female	immature	new shell	35.8142233	1	12.0828299

1981	female	mature	new shell	8.11191444	1	40.0579179
1981	female	mature	old shell	176.088876	1	4.28320328
1982	female	immature	new shell	45.9113641	1	16.4072356
1982	female	mature	new shell	8.23893259	1	28.1104027
1982	female	mature	old shell	23.3026386	1	11.4220208
1983	female	immature	new shell	33.4691362	1	9.50075273
1983	female	mature	new shell	57.0720331	1	7.08721736
1983	female	mature	old shell	68.8158668	1	3.90285276
1984	female	immature	new shell	30.1054161	1	7.01843302
1984	female	mature	new shell	29.3344993	1	7.51324099
1984	female	mature	old shell	221.163565	1	2.01196331
1985	female	immature	new shell	88.8447972	1	5.01866824
1985	female	mature	new shell	13.3720502	1	35.3967617
1985	female	mature	old shell	262.21982	1	2.15452366
1986	female	immature	new shell	58.4428686	1	7.16767068
1986	female	mature	new shell	8.146775	1	30.2276963
1986	female	mature	old shell	34.1445996	1	9.13689954
1987	female	immature	new shell	17.4652632	1	37.2244533
1987	female	mature	new shell	38.2463749	1	10.2216804
1987	female	mature	old shell	23.5416681	1	16.723161
1988	female	immature	new shell	82.824437	1	7.25344501
1988	female	mature	new shell	15.4560473	1	22.7892785
1988	female	mature	old shell	38.1877067	1	9.81942414
1989	female	immature	new shell	55.3832076	1	4.57858145
1989	female	mature	new shell	32.5713965	1	9.83181111
1989	female	mature	old shell	46.6075045	1	9.6814747
1990	female	immature	new shell	54.7638208	1	6.06717461
1990	female	mature	new shell	164.983258	1	2.35062024
1990	female	mature	old shell	44.8054691	1	8.91021924
1991	female	immature	new shell	18.60918	1	15.9452178
1991	female	mature	new shell	92.2160134	1	3.09624954
1991	female	mature	old shell	202.206536	1	2.50223791
1992	female	immature	new shell	33.9483609	1	12.1200137
1992	female	mature	new shell	51.2718897	1	7.18109768
1992	female	mature	old shell	207.139172	1	2.045361
1993	female	immature	new shell	66.529808	1	6.5535139
1993	female	mature	new shell	23.4951039	1	11.4824356
1993	female	mature	old shell	252.423872	1	1.30269875
1994	female	immature	new shell	30.356575	1	10.0288394
1994	female	mature	new shell	38.9048387	1	9.52998569
1994	female	mature	old shell	432.641575	1	1.17382267

1995	female	immature	new shell	69.5170964	1	6.78149754
1995	female	mature	new shell	35.9363781	1	11.6701683
1995	female	mature	old shell	632.259365	1	0.59910819
1996	female	immature	new shell	68.3380899	1	7.39796636
1996	female	mature	new shell	28.6385715	1	10.4267403
1996	female	mature	old shell	275.545318	1	1.34544716
1997	female	immature	new shell	45.7177971	1	5.78242517
1997	female	mature	new shell	103.862736	1	3.35870609
1997	female	mature	old shell	213.098619	1	2.17164327
1998	female	immature	new shell	163.503266	1	2.41651719
1998	female	mature	new shell	67.4990364	1	5.90148479
1998	female	mature	old shell	254.056781	1	2.71042566
1999	female	immature	new shell	67.1593787	1	4.94570554
1999	female	mature	new shell	21.6747164	1	11.0672746
1999	female	mature	old shell	148.132522	1	2.58241703
2000	female	immature	new shell	79.9572624	1	2.99951487
2000	female	mature	new shell	59.2956636	1	4.60026532
2000	female	mature	old shell	36.2792361	1	9.79621832
2001	female	immature	new shell	166.94181	1	2.13173944
2001	female	mature	new shell	145.984711	1	5.19895642
2001	female	mature	old shell	70.7763782	1	4.25142893
2002	female	immature	new shell	49.8374446	1	5.60114229
2002	female	mature	new shell	42.6569155	1	7.83115157
2002	female	mature	old shell	101.101459	1	2.89505867
2003	female	immature	new shell	70.0680662	1	4.61487365
2003	female	mature	new shell	106.167392	1	3.29441856
2003	female	mature	old shell	42.9853101	1	9.82643635
2004	female	immature	new shell	58.1230459	1	6.63713167
2004	female	mature	new shell	187.36252	1	1.40443108
2004	female	mature	old shell	41.690032	1	10.4092921
2005	female	immature	new shell	306.103864	1	1.82972394
2005	female	mature	new shell	149.640085	1	4.00073705
2005	female	mature	old shell	257.701817	1	2.91568278
2006	female	immature	new shell	53.742065	1	7.32680232
2006	female	mature	new shell	271.758857	1	2.00920819
2006	female	mature	old shell	118.327216	1	3.75727375
2007	female	immature	new shell	163.827124	1	2.83835231
2007	female	mature	new shell	66.3825239	1	6.35807621
2007	female	mature	old shell	778.303673	1	0.73685696
2008	female	immature	new shell	88.2859247	1	4.50255692
2008	female	mature	new shell	93.1958438	1	4.7865838

	2008	female	mature	old shell	463.642226	1	1.27088857
	2009	female	immature	new shell	24.3264767	1	9.50312779
	2009	female	mature	new shell	39.4421319	1	5.51596818
	2009	female	mature	old shell	408.558401	1	0.96710962
	2010	female	immature	new shell	105.488114	1	4.01533574
	2010	female	mature	new shell	188.459543	1	2.1195452
	2010	female	mature	old shell	972.830111	1	0.89126431
	2011	female	immature	new shell	84.7364298	1	4.71326321
	2011	female	mature	new shell	31.281085	1	7.41173868
	2011	female	mature	old shell	256.962603	1	2.2532251
	2012	female	immature	new shell	72.1132472	1	5.30163064
	2012	female	mature	new shell	48.7999876	1	5.14012648
	2012	female	mature	old shell	278.233119	1	1.38007694
	2013	female	immature	new shell	100.759259	1	4.69223079
	2013	female	mature	new shell	306.712847	1	1.00561968
	2013	female	mature	old shell	67.4246729	1	4.66553138
	2014	female	immature	new shell	20.9043662	1	18.7199284
	2014	female	mature	new shell	45.7559683	1	5.00823433
	2014	female	mature	old shell	88.3256052	1	4.0188711
	2015	female	immature	new shell	85.3563196	1	4.94494592
	2015	female	mature	new shell	17.5001365	1	13.922635
	2015	female	mature	old shell	98.6643972	1	3.49083309
	2016	female	immature	new shell	50.2923234	1	8.42377416
	2016	female	mature	new shell	81.4396654	1	7.24708666
	2016	female	mature	old shell	48.2036864	1	5.67423578
	2017	female	immature	new shell	16.2164328	1	11.8432008
	2017	female	mature	new shell	26.7451686	1	17.0278903
	2017	female	mature	old shell	81.9876456	1	2.81390449
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.18815063	20	0.67261255
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	26.6191483	1	12.4409468
	1981	male	all maturity st	all shell condi	855.534485	1	0.50056574
	1982	male	all maturity st	all shell condi	596.5353	1	1.5237718
	1983	male	all maturity st	all shell condi	59.8404771	1	1.27710956
	1984	male	all maturity st	all shell condi	300.547651	1	0.63200891
	1988	male	all maturity st	all shell condi	90.299437	1	6.06305941
	1989	male	all maturity st	all shell condi	516.612423	1	0.53491782
	1990	male	all maturity st	all shell condi	168.467124	1	4.73066051
	1991	male	all maturity st	all shell condi	297.849858	1	3.15818755

	1992	male	all maturity st	all shell condi	83.9352588	1	13.6630127
	1993	male	all maturity st	all shell condi	144.875882	1	6.15316778
	1994	male	all maturity st	all shell condi	123.213244	1	9.25690559
	1995	male	all maturity st	all shell condi	280.74215	1	0.46057506
	1996	male	all maturity st	all shell condi	268.611303	1	0.98028624
	2005	male	all maturity st	all shell condi	15.4388836	1	1.3910129
	2006	male	all maturity st	all shell condi	172.404017	1	0.75532855
	2007	male	all maturity st	all shell condi	814.914848	1	0.95308447
	2008	male	all maturity st	all shell condi	427.573466	1	0.72351389
	2009	male	all maturity st	all shell condi	110.741785	1	0.79189219
	2013	male	all maturity st	all shell condi	569.951134	1	0.43461848
	2014	male	all maturity st	all shell condi	381.175016	1	2.27561996
	2015	male	all maturity st	all shell condi	277.776067	1	5.48630026
all		male	all maturity st	all shell condi	0.19699725	20	0.25225147
all		female	all maturity st	all shell condi	0.59670376	20	2.31435995
	1991	male	all maturity st	all shell condi	1431.70423	1	1.07524216
	1991	female	all maturity st	all shell condi	387.61228	1	1.20518114
	1992	male	all maturity st	all shell condi	103.796647	1	23.4273608
	1992	female	all maturity st	all shell condi	807.682242	1	0.3837726
	1993	male	all maturity st	all shell condi	200.835539	1	10.5347827
	1993	female	all maturity st	all shell condi	379.062095	1	0.67875509
	1994	male	all maturity st	all shell condi	612.877294	1	0.91462908
	1994	female	all maturity st	all shell condi	69.0127145	1	1.35079599
	1995	male	all maturity st	all shell condi	235.179424	1	1.23236749
	1995	female	all maturity st	all shell condi	111.946926	1	0.91648627
	1996	male	all maturity st	all shell condi	22.89578	1	1.79681268
	1996	female	all maturity st	all shell condi	166.585917	1	0.06801574
	2005	male	all maturity st	all shell condi	128.576761	1	13.2482874
	2005	female	all maturity st	all shell condi	41.7493148	1	0.97170928
	2006	male	all maturity st	all shell condi	432.907767	1	4.12272863
	2006	female	all maturity st	all shell condi	311.359797	1	0.83222095
	2007	male	all maturity st	all shell condi	667.564504	1	4.44357568
	2007	female	all maturity st	all shell condi	338.127067	1	0.34644018
	2008	male	all maturity st	all shell condi	859.633663	1	4.06964905
	2008	female	all maturity st	all shell condi	44.549365	1	0.33388246
	2009	male	all maturity st	all shell condi	252.158951	1	5.62438594
	2009	female	all maturity st	all shell condi	23.8561973	1	0.1780829
	2013	male	all maturity st	all shell condi	2525.07669	1	1.25208032
	2013	female	all maturity st	all shell condi	68.250093	1	0.49942415
	2014	male	all maturity st	all shell condi	318.047741	1	8.632073
	2014	female	all maturity st	all shell condi	161.122188	1	0.25192991

	2015	male	all maturity st	all shell condi	181.815609	1	11.0987358
	2015	female	all maturity st	all shell condi	75.5488873	1	1.19295358
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.07995113	20	0.0799023
all		female	all maturity st	all shell condi	0.30682492	20	1.17676916
	1992	male	all maturity st	all shell condi	185.137887	1	2.11342584
	1992	female	all maturity st	all shell condi	18.1834679	1	1.03310348
	1993	male	all maturity st	all shell condi	406.289709	1	0.59112629
	1993	female	all maturity st	all shell condi	29.9283601	1	1.3010764
	1994	male	all maturity st	all shell condi	151.027075	1	0.81286088
	1994	female	all maturity st	all shell condi	40.1880107	1	1.87959031
	1995	male	all maturity st	all shell condi	212.576797	1	0.36838647
	1995	female	all maturity st	all shell condi	38.9564777	1	0.31594387
	1996	male	all maturity st	all shell condi	60.6168504	1	3.18455592
	1996	female	all maturity st	all shell condi	40.8266153	1	0.50497844
	1997	male	all maturity st	all shell condi	514.668069	1	0.74279504
	1997	female	all maturity st	all shell condi	113.312101	1	0.19684143
	1998	male	all maturity st	all shell condi	664.838239	1	0.31811445
	1998	female	all maturity st	all shell condi	20.5112434	1	0.3394995
	1999	male	all maturity st	all shell condi	229.653151	1	0.27289304
	1999	female	all maturity st	all shell condi	31.7084371	1	0.0646865
	2000	male	all maturity st	all shell condi	351.823429	1	0.26331963
	2000	female	all maturity st	all shell condi	37.4214877	1	0.08290383
	2001	male	all maturity st	all shell condi	640.714515	1	0.37618407
	2001	female	all maturity st	all shell condi	163.57503	1	0.04954538
	2002	male	all maturity st	all shell condi	51.6146213	1	0.88397195
	2002	female	all maturity st	all shell condi	46.9741376	1	0.0675727
	2003	male	all maturity st	all shell condi	88.3532033	1	0.43165441
	2003	female	all maturity st	all shell condi	45.747322	1	0.102143
	2004	male	all maturity st	all shell condi	20.7384665	1	1.9238453
	2004	female	all maturity st	all shell condi	31.2874557	1	0.8558188
	2005	male	all maturity st	all shell condi	108.905738	1	4.91229505
	2005	female	all maturity st	all shell condi	142.760694	1	0.14588022
	2006	male	all maturity st	all shell condi	73.5319448	1	6.14505776
	2006	female	all maturity st	all shell condi	46.1768878	1	1.15398442
	2007	male	all maturity st	all shell condi	306.433828	1	2.52779657
	2007	female	all maturity st	all shell condi	47.7292851	1	0.40993499
	2008	male	all maturity st	all shell condi	88.3123827	1	7.28447431
	2008	female	all maturity st	all shell condi	14.5021912	1	2.27046783
	2009	male	all maturity st	all shell condi	456.779928	1	1.99899077

	2009	female	all maturity st	all shell condi	21.9443052	1	0.92042148
	2010	male	all maturity st	all shell condi	319.640827	1	1.47144587
	2010	female	all maturity st	all shell condi	76.0700816	1	0.19327887
	2011	male	all maturity st	all shell condi	186.766468	1	3.57150469
	2011	female	all maturity st	all shell condi	56.3418646	1	0.17976248
	2012	male	all maturity st	all shell condi	147.577745	1	3.38363866
	2012	female	all maturity st	all shell condi	50.9130413	1	0.16885352
	2013	male	all maturity st	all shell condi	288.004882	1	2.32848154
	2013	female	all maturity st	all shell condi	178.41951	1	0.09912652
	2014	male	all maturity st	all shell condi	378.504352	1	3.43842639
	2014	female	all maturity st	all shell condi	55.872028	1	0.4959134
	2015	male	all maturity st	all shell condi	523.350227	1	1.87649067
	2015	female	all maturity st	all shell condi	115.493413	1	0.0946817
	2016	male	all maturity st	all shell condi	362.062123	1	2.84559509
	2016	female	all maturity st	all shell condi	112.445959	1	0.09949567
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.05315568	20	0.06216157
	1973	male	all maturity st	all shell condi	434.510211	1	-2.2971637
	1973	female	all maturity st	all shell condi	282.038962	1	4.36237304
	1974	male	all maturity st	all shell condi	161.596864	1	0.17016882
	1974	female	all maturity st	all shell condi	268.75847	1	2.73978652
	1975	male	all maturity st	all shell condi	125.486804	1	0.24063779
	1975	female	all maturity st	all shell condi	203.739194	1	1.87374422
	1976	male	all maturity st	all shell condi	78.521363	1	-1.0343241
	1976	female	all maturity st	all shell condi	108.525133	1	21.8699246
	1977	male	all maturity st	all shell condi	131.593737	1	0.61787366
	1977	female	all maturity st	all shell condi	186.561786	1	16.5533806
	1978	male	all maturity st	all shell condi	167.870413	1	1.89408002
	1978	female	all maturity st	all shell condi	155.928097	1	23.7768349
	1979	male	all maturity st	all shell condi	603.712693	1	-3.2818876
	1979	female	all maturity st	all shell condi	422.573898	1	10.9177971
	1980	male	all maturity st	all shell condi	705.63073	1	4.58835465
	1980	female	all maturity st	all shell condi	880.186786	1	0.19408519
	1981	male	all maturity st	all shell condi	685.50317	1	-4.2122201
	1981	female	all maturity st	all shell condi	72.7682135	1	11.7007667
	1982	male	all maturity st	all shell condi	575.571549	1	0.77407073
	1982	female	all maturity st	all shell condi	91.4448515	1	16.7264048
	1983	male	all maturity st	all shell condi	425.436757	1	21.8977578
	1983	female	all maturity st	all shell condi	325.035983	1	-6.9111771
	1984	male	all maturity st	all shell condi	516.619107	1	24.6421241
	1984	female	all maturity st	all shell condi	572.896963	1	-11.484436

1985	male	all maturity st	all shell condi	227.970884	1	18.2278385
1985	female	all maturity st	all shell condi	308.626948	1	-2.1245277
1986	male	all maturity st	all shell condi	273.636532	1	11.7678076
1986	female	all maturity st	all shell condi	128.889209	1	3.0962523
1987	male	all maturity st	all shell condi	211.111905	1	21.0098623
1987	female	all maturity st	all shell condi	917.721013	1	1.74056522
1988	male	all maturity st	all shell condi	225.897128	1	6.97781592
1988	female	all maturity st	all shell condi	220.60087	1	9.05302512
1989	male	all maturity st	all shell condi	503.339746	1	-0.9068439
1989	female	all maturity st	all shell condi	911.079537	1	13.037631
1990	male	all maturity st	all shell condi	1018.7073	1	15.91853
1990	female	all maturity st	all shell condi	328.762347	1	-7.8982415
1991	male	all maturity st	all shell condi	320.896567	1	1.07824448
1991	female	all maturity st	all shell condi	172.276174	1	6.85759632
1992	male	all maturity st	all shell condi	173.367817	1	5.20395273
1992	female	all maturity st	all shell condi	64.6669053	1	2.79815569
1993	male	all maturity st	all shell condi	69.4252184	1	4.03987344
1993	female	all maturity st	all shell condi	107.806676	1	-0.5273461
1994	male	all maturity st	all shell condi	246.936844	1	2.97614543
1994	female	all maturity st	all shell condi	393.803213	1	0.79526145
1995	male	all maturity st	all shell condi	63.9826189	1	10.9997537
1995	female	all maturity st	all shell condi	67.477028	1	3.68038064
1996	male	all maturity st	all shell condi	181.461867	1	12.9252889
1996	female	all maturity st	all shell condi	367.465482	1	-4.2524372
1997	male	all maturity st	all shell condi	53.093193	1	20.4000206
1997	female	all maturity st	all shell condi	158.228787	1	6.45222533
1998	male	all maturity st	all shell condi	124.51247	1	8.61404332
1998	female	all maturity st	all shell condi	227.984272	1	8.55764161
1999	male	all maturity st	all shell condi	306.997025	1	5.84960247
1999	female	all maturity st	all shell condi	665.31834	1	3.27971514
2000	male	all maturity st	all shell condi	267.582424	1	7.60571203
2000	female	all maturity st	all shell condi	436.454933	1	1.20477039
2001	male	all maturity st	all shell condi	524.852826	1	9.65353853
2001	female	all maturity st	all shell condi	1176.44181	1	-3.5616542
2002	male	all maturity st	all shell condi	420.356812	1	10.6657733
2002	female	all maturity st	all shell condi	773.644683	1	-0.2097353
2003	male	all maturity st	all shell condi	205.986381	1	4.19662267
2003	female	all maturity st	all shell condi	327.944266	1	4.33571926
2004	male	all maturity st	all shell condi	110.661825	1	-2.428507
2004	female	all maturity st	all shell condi	32.1368792	1	38.9772914
2005	male	all maturity st	all shell condi	1158.29149	1	4.79104081

	2005	female	all maturity st	all shell condi	1625.0768	1	0.67467623
	2006	male	all maturity st	all shell condi	177.584956	1	13.5235296
	2006	female	all maturity st	all shell condi	182.466246	1	2.18769847
	2007	male	all maturity st	all shell condi	166.295355	1	10.9116243
	2007	female	all maturity st	all shell condi	105.794327	1	7.93783409
	2008	male	all maturity st	all shell condi	156.223481	1	27.2871812
	2008	female	all maturity st	all shell condi	217.36566	1	-9.1539653
	2009	male	all maturity st	all shell condi	303.471432	1	13.9078092
	2009	female	all maturity st	all shell condi	541.521608	1	-7.1953678
	2010	male	all maturity st	all shell condi	474.895043	1	6.87425336
	2010	female	all maturity st	all shell condi	1372.84813	1	-2.9916101
	2011	male	all maturity st	all shell condi	89.0967599	1	10.4551242
	2011	female	all maturity st	all shell condi	73.0510122	1	19.9384993
	2012	male	all maturity st	all shell condi	281.801492	1	-6.4959975
	2012	female	all maturity st	all shell condi	137.415207	1	12.9239092
	2013	male	all maturity st	all shell condi	226.890001	1	2.49726608
	2013	female	all maturity st	all shell condi	746.75011	1	9.04796577
	2014	male	all maturity st	all shell condi	965.387538	1	9.67262514
	2014	female	all maturity st	all shell condi	735.497219	1	-5.8019828
	2015	male	all maturity st	all shell condi	213.972657	1	15.0719299
	2015	female	all maturity st	all shell condi	310.992572	1	1.15201402
	2016	male	all maturity st	all shell condi	203.042154	1	-3.8098797
	2016	female	all maturity st	all shell condi	51.7644773	1	26.1682129
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.16908842	20	0.32879528
all		female	all maturity st	all shell condi	0.00935007	20	0.00100537
	1992	male	all maturity st	all shell condi	40.0666878	1	2.27576563
	1992	female	all maturity st	all shell condi	77.5263001	1	0.12885418
	1993	male	all maturity st	all shell condi	53.276967	1	5.55456028
	1993	female	all maturity st	all shell condi	315.392715	1	0.24461391
	1996	male	all maturity st	all shell condi	21.591737	1	0.26942983
	1996	female	all maturity st	all shell condi	3.47008374	1	0.03191237
	1997	male	all maturity st	all shell condi	26.917862	1	1.75735505
	1997	female	all maturity st	all shell condi	24.8783204	1	0.06205142
	1998	male	all maturity st	all shell condi	73.0879744	1	0.31410005
	1998	female	all maturity st	all shell condi	21.1895862	1	0.07041597
	1999	male	all maturity st	all shell condi	50.0171086	1	0.30036947
	1999	female	all maturity st	all shell condi	18.3673761	1	0.02682422
	2000	male	all maturity st	all shell condi	133.487318	1	0.74210222
	2000	female	all maturity st	all shell condi	41.7541054	1	0.06266813

2001	male	all maturity st	all shell condi	109.7469	1	0.31897794
2001	female	all maturity st	all shell condi	53.404402	1	0.03360509
2002	male	all maturity st	all shell condi	97.1577048	1	0.53114161
2002	female	all maturity st	all shell condi	39.7442968	1	0.04621442
2003	male	all maturity st	all shell condi	80.4884361	1	0.51923831
2003	female	all maturity st	all shell condi	52.8209984	1	0.09429325
2004	male	all maturity st	all shell condi	40.1304785	1	0.68555556
2004	female	all maturity st	all shell condi	22.3502814	1	0.05416127
2005	male	all maturity st	all shell condi	44.9747555	1	1.66360543
2005	female	all maturity st	all shell condi	13.4375809	1	0.16476905
2006	male	all maturity st	all shell condi	22.7162853	1	2.12934935
2006	female	all maturity st	all shell condi	26.3835959	1	0.25498847
2007	male	all maturity st	all shell condi	90.5503765	1	1.18772482
2007	female	all maturity st	all shell condi	104.533482	1	0.08793275
2008	male	all maturity st	all shell condi	66.7988215	1	2.68377172
2008	female	all maturity st	all shell condi	105.975268	1	0.11351214
2009	male	all maturity st	all shell condi	23.3039465	1	6.34160391
2009	female	all maturity st	all shell condi	122.499898	1	0.04803261
2010	male	all maturity st	all shell condi	51.5523611	1	0.86821923
2010	female	all maturity st	all shell condi	35.953107	1	0.04565937
2011	male	all maturity st	all shell condi	71.3328045	1	0.33052118
2011	female	all maturity st	all shell condi	5.4981394	1	0.02117749
2012	male	all maturity st	all shell condi	70.0547197	1	0.62756408
2012	female	all maturity st	all shell condi	6.5286739	1	0.22669046
2013	male	all maturity st	all shell condi	67.3117584	1	1.62493793
2013	female	all maturity st	all shell condi	9.67480186	1	0.17667813
2014	male	all maturity st	all shell condi	155.314082	1	1.18869878
2014	female	all maturity st	all shell condi	21.2098841	1	0.07179438
2015	male	all maturity st	all shell condi	171.053575	1	0.8395352
2015	female	all maturity st	all shell condi	97.0911425	1	0.07489823
2016	male	all maturity st	all shell condi	22.5689994	1	7.72232146
2016	female	all maturity st	all shell condi	20.1795742	1	0.50674064
2015	male	immature	new shell	0.52447989	1	90.7227611
2016	male	immature	new shell	0.52447989	1	101.988236
2015	female	immature	new shell	0.39753331	1	74.3637091
2016	female	immature	new shell	0.39753331	1	65.2538611
1994	male	immature	new shell	0.54260923	0	12.4948731
1995	male	immature	new shell	0.54260923	0	29.149779
1996	male	immature	new shell	0.54260923	0	342.244155
1997	male	immature	new shell	0.54260923	0	442.535383
1998	male	immature	new shell	0.54260923	0	452.863194

1999	male	immature	new shell	0.54260923	0	423.270497
2000	male	immature	new shell	0.54260923	0	701.003573
2001	male	immature	new shell	0.54260923	0	811.399027
2002	male	immature	new shell	0.54260923	0	715.271649
2003	male	immature	new shell	0.54260923	0	242.043748
2004	male	immature	new shell	0.54260923	0	163.172602
2005	male	immature	new shell	0.54260923	0	82.4213379
2006	male	immature	new shell	0.54260923	0	9.76955429
2011	male	immature	new shell	0.54260923	0	2.02720662
2012	male	immature	new shell	0.54260923	0	2.73489282
1994	female	immature	new shell	0.52860934	0	16.253948
1995	female	immature	new shell	0.52860934	0	16.2930641
1996	female	immature	new shell	0.52860934	0	219.67371
1997	female	immature	new shell	0.52860934	0	171.051282
1998	female	immature	new shell	0.52860934	0	237.268364
1999	female	immature	new shell	0.52860934	0	327.191942
2000	female	immature	new shell	0.52860934	0	607.410589
2001	female	immature	new shell	0.52860934	0	562.152131
2002	female	immature	new shell	0.52860934	0	324.77907
2003	female	immature	new shell	0.52860934	0	92.4983794
2004	female	immature	new shell	0.52860934	0	100.495901
2005	female	immature	new shell	0.52860934	0	23.5640338
2006	female	immature	new shell	0.52860934	0	7.26216171
2012	female	immature	new shell	0.52860934	0	2.29007628
1990	male		new shell	4.63362522	1	55.9522247
1991	male		new shell	4.63362522	1	59.7334969
1992	male		new shell	4.63362522	1	18.6924119
1993	male		new shell	4.63362522	1	29.1012555
1994	male		new shell	4.63362522	1	22.9176064
1995	male		new shell	4.63362522	1	13.9208638
1997	male		new shell	4.63362522	1	9.6444957
1998	male		new shell	4.63362522	1	27.7327641
1999	male		new shell	4.63362522	1	11.7877139
2000	male		new shell	4.63362522	1	21.968826
2001	male		new shell	4.63362522	1	26.9960099
2002	male		new shell	4.63362522	1	20.2727392
2003	male		new shell	4.63362522	1	13.3384758
2004	male		new shell	4.63362522	1	18.819591
2005	male		new shell	4.63362522	1	66.8941006
2008	male		new shell	4.63362522	1	57.0846588
2010	male		new shell	4.63362522	1	70.0940671

	2012	male		new shell	4.63362522	1	15.2714545
	2014	male		new shell	4.63362522	1	26.4258084
	2016	male		new shell	4.63362522	1	39.2375417
	2017	male		new shell	4.63362522	1	17.794515
all		male	immature	new shell	0.09975135	1	927.597968
all		male	mature	new shell	0.09975135	1	927.597968
all		male	immature	old shell	0.09975135	1	927.597968
all		male	mature	old shell	0.09975135	1	927.597968
all		female	immature	new shell	0.09975135	1	927.597968
all		female	mature	new shell	0.09975135	1	927.597968
all		female	immature	old shell	0.09975135	1	927.597968
all		female	mature	old shell	0.09975135	1	927.597968
all		male	immature	new shell	0.09975135	1	514.820437
all		male	mature	new shell	0.09975135	1	514.820437
all		male	immature	old shell	0.09975135	1	514.820437
all		male	mature	old shell	0.09975135	1	514.820437
all		female	immature	new shell	0.09975135	1	514.820437
all		female	mature	new shell	0.09975135	1	514.820437
all		female	immature	old shell	0.09975135	1	514.820437
all		female	mature	old shell	0.09975135	1	514.820437
all		male	immature	all shell condi	3.33271872	0	238.800802
all		male	mature	all shell condi	2.5159385	0	136.09385
all		female	immature	all shell condi	2.98077481	0	191.027896
all		female	mature	all shell condi	2.39136643	0	122.950618
all		male	mature	all shell condi	2.29205829	0	112.950921
all		female	mature	all shell condi	2.2380938	0	107.694873
	1975	male	immature	all shell condi	626.037658	0	11.2993092
	1975	male	mature	all shell condi	85.2305167	0	37.9235725
	1975	female	immature	all shell condi	194.456406	0	9.08426133
	1975	female	mature	all shell condi	104.017941	0	-14.299755
	1976	male	immature	all shell condi	238.848426	0	19.8583355
	1976	male	mature	all shell condi	156.307761	0	-6.1014002
	1976	female	immature	all shell condi	61.3530387	0	29.1363497
	1976	female	mature	all shell condi	171.697192	0	-9.9570508
	1977	male	immature	all shell condi	131.409502	0	15.5686568
	1977	male	mature	all shell condi	115.411216	0	-14.264118
	1977	female	immature	all shell condi	19.6885909	0	63.0971869
	1977	female	mature	all shell condi	384.865029	0	-8.3834223
	1978	male	immature	all shell condi	288.117323	0	8.06955895
	1978	male	mature	all shell condi	192.555159	0	-7.0077208
	1978	female	immature	all shell condi	41.3190944	0	32.3212019

1978	female	mature	all shell condi	1092.57719	0	-5.2644821
1979	male	immature	all shell condi	104.916618	0	22.4715673
1979	male	mature	all shell condi	164.273913	0	-12.809676
1979	female	immature	all shell condi	302.049372	0	1.27463906
1979	female	mature	all shell condi	69.5122672	0	24.3411893
1980	male	immature	all shell condi	73.0330435	0	34.2721951
1980	male	mature	all shell condi	104.566063	0	-15.33117
1980	female	immature	all shell condi	522.173853	0	5.28865127
1980	female	mature	all shell condi	43.4673281	0	23.0524074
1981	male	immature	all shell condi	591.621594	0	4.82177765
1981	male	mature	all shell condi	206.642083	0	-15.651053
1981	female	immature	all shell condi	199.0517	0	-4.8802051
1981	female	mature	all shell condi	19.1998208	0	73.8899986
1982	male	immature	all shell condi	173.979684	0	-14.089061
1982	male	mature	all shell condi	281.041673	0	-12.380135
1982	female	immature	all shell condi	104.223225	0	-8.3589387
1982	female	mature	all shell condi	5.77001488	0	152.119566
1983	male	immature	all shell condi	131.717858	0	7.84815372
1983	male	mature	all shell condi	408.723661	0	-5.7958615
1983	female	immature	all shell condi	137.807023	0	8.11457409
1983	female	mature	all shell condi	75.5845332	0	25.3057188
1984	male	immature	all shell condi	267.392378	0	-11.681417
1984	male	mature	all shell condi	258.671747	0	13.3463005
1984	female	immature	all shell condi	126.021716	0	-8.169746
1984	female	mature	all shell condi	45.2163097	0	38.5327149
1985	male	immature	all shell condi	158.805277	0	-17.405165
1985	male	mature	all shell condi	70.4914022	0	36.4326838
1985	female	immature	all shell condi	71.5572198	0	-22.191647
1985	female	mature	all shell condi	29.5480106	0	52.1933332
1986	male	immature	all shell condi	369.091999	0	8.2418008
1986	male	mature	all shell condi	104.105765	0	23.6334858
1986	female	immature	all shell condi	115.313241	0	-9.3595296
1986	female	mature	all shell condi	230.486339	0	2.31570164
1987	male	immature	all shell condi	190.241524	0	7.16404106
1987	male	mature	all shell condi	1022.52106	0	4.32209389
1987	female	immature	all shell condi	47.269103	0	50.253258
1987	female	mature	all shell condi	199.486045	0	-4.9923223
1988	male	immature	all shell condi	726.011827	0	2.5823649
1988	male	mature	all shell condi	837.368864	0	7.73975529
1988	female	immature	all shell condi	234.891607	0	-8.3303725
1988	female	mature	all shell condi	113.015621	0	16.2632479

1989	male	immature	all shell condi	180.584483	0	12.3376546
1989	male	mature	all shell condi	762.691104	0	0.82669478
1989	female	immature	all shell condi	121.936446	0	13.8634719
1989	female	mature	all shell condi	181.375437	0	-6.1811467
1990	male	immature	all shell condi	673.070783	0	2.68190601
1990	male	mature	all shell condi	497.188287	0	-6.6881498
1990	female	immature	all shell condi	308.546746	0	5.82158372
1990	female	mature	all shell condi	418.44306	0	10.5547266
1991	male	immature	all shell condi	284.392981	0	9.18399539
1991	male	mature	all shell condi	615.752346	0	-10.204303
1991	female	immature	all shell condi	152.666388	0	7.07251815
1991	female	mature	all shell condi	822.054621	0	9.80449338
1992	male	immature	all shell condi	649.154048	0	10.198321
1992	male	mature	all shell condi	354.788983	0	2.03746911
1992	female	immature	all shell condi	392.522967	0	1.68846116
1992	female	mature	all shell condi	3535.11436	0	-1.4037197
1993	male	immature	all shell condi	450.047651	0	16.0613965
1993	male	mature	all shell condi	459.374896	0	6.80860696
1993	female	immature	all shell condi	714.448853	0	1.57771513
1993	female	mature	all shell condi	307.270862	0	-13.253425
1994	male	immature	all shell condi	311.181077	0	9.50971489
1994	male	mature	all shell condi	608.436563	0	0.73787529
1994	female	immature	all shell condi	104.138229	0	15.1043163
1994	female	mature	all shell condi	531.299511	0	-10.383004
1995	male	immature	all shell condi	338.221032	0	-5.7267478
1995	male	mature	all shell condi	537.092868	0	4.010194
1995	female	immature	all shell condi	232.726419	0	-6.2076896
1995	female	mature	all shell condi	121.746967	0	25.6582084
1996	male	immature	all shell condi	557.098428	0	-3.2713318
1996	male	mature	all shell condi	563.348578	0	7.16431011
1996	female	immature	all shell condi	233.005805	0	-5.1523339
1996	female	mature	all shell condi	254.116426	0	14.5692475
1997	male	immature	all shell condi	219.09602	0	9.5772948
1997	male	mature	all shell condi	1113.55518	0	-5.5543584
1997	female	immature	all shell condi	81.4379392	0	21.491224
1997	female	mature	all shell condi	458.376002	0	-8.3285228
1998	male	immature	all shell condi	103.096295	0	23.6646301
1998	male	mature	all shell condi	1385.83056	0	-5.0979292
1998	female	immature	all shell condi	200.187545	0	18.8441561
1998	female	mature	all shell condi	128.958105	0	-11.993742
1999	male	immature	all shell condi	134.397081	0	18.4392708

1999	male	mature	all shell condi	876.770118	0	-0.758431
1999	female	immature	all shell condi	176.099473	0	9.34020138
1999	female	mature	all shell condi	287.391544	0	-7.2292574
2000	male	immature	all shell condi	137.082261	0	12.7585199
2000	male	mature	all shell condi	2085.3832	0	3.05591782
2000	female	immature	all shell condi	276.764809	0	1.46782695
2000	female	mature	all shell condi	321.873885	0	-3.8699202
2001	male	immature	all shell condi	183.494038	0	17.675935
2001	male	mature	all shell condi	710.922614	0	-5.4283932
2001	female	immature	all shell condi	298.993298	0	11.9585197
2001	female	mature	all shell condi	285.014486	0	-6.1831358
2002	male	immature	all shell condi	121.357088	0	13.3724699
2002	male	mature	all shell condi	1473.40225	0	-2.6274813
2002	female	immature	all shell condi	109.337188	0	15.8086417
2002	female	mature	all shell condi	600.007247	0	-5.0649684
2003	male	immature	all shell condi	300.042191	0	9.24480916
2003	male	mature	all shell condi	2287.06629	0	1.58005185
2003	female	immature	all shell condi	221.294189	0	-5.730335
2003	female	mature	all shell condi	300.093416	0	8.40211911
2004	male	immature	all shell condi	170.727906	0	7.28266212
2004	male	mature	all shell condi	523.281789	0	11.4893891
2004	female	immature	all shell condi	148.453485	0	11.2701832
2004	female	mature	all shell condi	263.137592	0	-5.3856334
2005	male	immature	all shell condi	284.252737	0	5.06579291
2005	male	mature	all shell condi	1583.35141	0	-4.5045478
2005	female	immature	all shell condi	243.213171	0	17.7993386
2005	female	mature	all shell condi	1034.58582	0	-4.046615
2006	male	immature	all shell condi	312.581937	0	12.4476411
2006	male	mature	all shell condi	1228.51405	0	1.07830706
2006	female	immature	all shell condi	203.674213	0	9.74274937
2006	female	mature	all shell condi	476.772873	0	-6.9000848
2007	male	immature	all shell condi	205.866274	0	27.2170046
2007	male	mature	all shell condi	768.635363	0	3.44726872
2007	female	immature	all shell condi	982.094816	0	-0.3059352
2007	female	mature	all shell condi	164.260629	0	-12.208199
2008	male	immature	all shell condi	700.209916	0	11.8367088
2008	male	mature	all shell condi	1087.87481	0	3.6068067
2008	female	immature	all shell condi	646.466184	0	1.220799
2008	female	mature	all shell condi	534.754203	0	-8.0409424
2009	male	immature	all shell condi	182.048414	0	6.41422333
2009	male	mature	all shell condi	609.497193	0	7.45423444

	2009	female	immature	all shell condi	83.5538647	0	0.70957502
	2009	female	mature	all shell condi	1695.07876	0	1.97639406
	2010	male	immature	all shell condi	518.657238	0	3.51450462
	2010	male	mature	all shell condi	468.935589	0	12.0068064
	2010	female	immature	all shell condi	232.917215	0	-4.0995368
	2010	female	mature	all shell condi	2855.22338	0	-2.7661864
	2011	male	immature	all shell condi	365.34316	0	12.8195262
	2011	male	mature	all shell condi	2244.91634	0	-0.0512903
	2011	female	immature	all shell condi	252.267368	0	8.15508211
	2011	female	mature	all shell condi	246.067446	0	-6.4771093
	2012	male	immature	all shell condi	299.35455	0	19.1775145
	2012	male	mature	all shell condi	1256.15854	0	-0.5328902
	2012	female	immature	all shell condi	285.876431	0	0.79834033
	2012	female	mature	all shell condi	480.661207	0	-5.2859115
	2013	male	immature	all shell condi	695.376253	0	12.4991374
	2013	male	mature	all shell condi	394.456367	0	3.77361608
	2013	female	immature	all shell condi	550.660184	0	0.72709083
	2013	female	mature	all shell condi	993.83891	0	-4.9699965
	2014	male	immature	all shell condi	335.262759	0	17.0232183
	2014	male	mature	all shell condi	650.420311	0	1.78161483
	2014	female	immature	all shell condi	106.850609	0	14.2020684
	2014	female	mature	all shell condi	305.985591	0	-10.63483
	2015	male	immature	all shell condi	871.254562	0	9.41238519
	2015	male	mature	all shell condi	777.757241	0	1.95988601
	2015	female	immature	all shell condi	660.941756	0	1.99231305
	2015	female	mature	all shell condi	365.152313	0	-1.8681192
	2016	male	immature	all shell condi	480.617676	0	8.83402921
	2016	male	mature	all shell condi	189.123656	0	21.7761042
	2016	female	immature	all shell condi	413.407473	0	-1.1426131
	2016	female	mature	all shell condi	252.959788	0	-8.1984754
	2017	male	immature	all shell condi	102.858761	0	-1.2006606
	2017	male	mature	all shell condi	120.312994	0	28.8076274
	2017	female	immature	all shell condi	78.5643065	0	0.92803379
	2017	female	mature	all shell condi	538.339629	0	2.2685306
all		male	all maturity st	new shell	3.45433454	0	256.547183
all		male	all maturity st	old shell	4.5127135	0	437.838537
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	2.70872827	1	157.74999
all		male	all maturity st	old shell	3.62399966	1	282.367531
all		female	all maturity st	new shell	0	1	0

all	female	all maturity st	old shell	0	1	0
1975	male	all maturity st	new shell	67.6734817	1	25.2645363
1975	male	all maturity st	old shell	28.8725546	1	38.5383517
1976	male	all maturity st	new shell	205.336831	1	7.86813384
1976	male	all maturity st	old shell	20.4630633	1	56.4634671
1977	male	all maturity st	new shell	84.9882965	1	14.7000397
1977	male	all maturity st	old shell	84.9182677	1	17.927462
1978	male	all maturity st	new shell	151.279116	1	8.77167893
1978	male	all maturity st	old shell	62.5185603	1	22.0757438
1979	male	all maturity st	new shell	71.2446155	1	12.5843069
1979	male	all maturity st	old shell	45.2458621	1	29.5655814
1980	male	all maturity st	new shell	49.415865	1	17.9894636
1980	male	all maturity st	old shell	43.6439229	1	29.6608322
1981	male	all maturity st	new shell	75.4193173	1	14.9929015
1981	male	all maturity st	old shell	34.958008	1	30.8294697
1982	male	all maturity st	new shell	67.8035262	1	17.1770959
1982	male	all maturity st	old shell	290.970463	1	4.37164104
1983	male	all maturity st	new shell	43.4845856	1	22.3265832
1983	male	all maturity st	old shell	81.9143915	1	14.0843879
1984	male	all maturity st	new shell	86.7649054	1	7.22643755
1984	male	all maturity st	old shell	55.7595255	1	18.8407889
1985	male	all maturity st	new shell	89.5130775	1	12.9696589
1985	male	all maturity st	old shell	48.7173101	1	24.569952
1986	male	all maturity st	new shell	97.6984216	1	11.7919517
1986	male	all maturity st	old shell	93.3729561	1	12.0358565
1987	male	all maturity st	new shell	75.6142934	1	10.9001028
1987	male	all maturity st	old shell	186.663586	1	10.301631
1988	male	all maturity st	new shell	168.308589	1	6.67749875
1988	male	all maturity st	old shell	219.814612	1	9.13637662
1989	male	all maturity st	new shell	110.03992	1	9.52119083
1989	male	all maturity st	old shell	436.326061	1	6.06754304
1990	male	all maturity st	new shell	307.790902	1	4.18617105
1990	male	all maturity st	old shell	284.838475	1	5.75165452
1991	male	all maturity st	new shell	165.571024	1	7.45022434
1991	male	all maturity st	old shell	290.956048	1	5.8866696
1992	male	all maturity st	new shell	211.639036	1	6.02027583
1992	male	all maturity st	old shell	105.236157	1	10.0419666
1993	male	all maturity st	new shell	332.637652	1	3.61842748
1993	male	all maturity st	old shell	180.883434	1	5.40229641
1994	male	all maturity st	new shell	188.731484	1	5.58215701
1994	male	all maturity st	old shell	134.801216	1	7.59790149

1995	male	all maturity st	new shell	97.4941777	1	9.07290598
1995	male	all maturity st	old shell	115.640378	1	10.990844
1996	male	all maturity st	new shell	135.193113	1	10.302331
1996	male	all maturity st	old shell	91.5656602	1	11.0965394
1997	male	all maturity st	new shell	106.311699	1	8.63436603
1997	male	all maturity st	old shell	239.67296	1	8.44879323
1998	male	all maturity st	new shell	75.6454395	1	11.0067078
1998	male	all maturity st	old shell	309.380335	1	5.30049974
1999	male	all maturity st	new shell	92.9237347	1	8.9348709
1999	male	all maturity st	old shell	119.305947	1	9.76644864
2000	male	all maturity st	new shell	96.8540013	1	5.94679685
2000	male	all maturity st	old shell	179.980458	1	8.08833705
2001	male	all maturity st	new shell	117.980675	1	9.01290786
2001	male	all maturity st	old shell	291.420262	1	7.25526397
2002	male	all maturity st	new shell	52.0451019	1	14.8495696
2002	male	all maturity st	old shell	387.417982	1	5.03496176
2003	male	all maturity st	new shell	141.294478	1	7.49483341
2003	male	all maturity st	old shell	286.795281	1	7.00797163
2004	male	all maturity st	new shell	83.7351329	1	10.4489021
2004	male	all maturity st	old shell	60.3342617	1	34.2481138
2005	male	all maturity st	new shell	122.156218	1	8.41511347
2005	male	all maturity st	old shell	492.795487	1	5.61573305
2006	male	all maturity st	new shell	131.976806	1	9.57024372
2006	male	all maturity st	old shell	397.188784	1	7.2370991
2007	male	all maturity st	new shell	264.484527	1	6.06067907
2007	male	all maturity st	old shell	261.2545	1	11.6889065
2008	male	all maturity st	new shell	524.839391	1	2.80850251
2008	male	all maturity st	old shell	159.932794	1	10.8745398
2009	male	all maturity st	new shell	57.9582273	1	11.4970301
2009	male	all maturity st	old shell	139.533934	1	8.41520502
2010	male	all maturity st	new shell	96.1980778	1	11.1117621
2010	male	all maturity st	old shell	223.453574	1	6.322274
2011	male	all maturity st	new shell	238.110065	1	3.27982872
2011	male	all maturity st	old shell	204.264456	1	7.75929792
2012	male	all maturity st	new shell	315.270075	1	2.71862738
2012	male	all maturity st	old shell	160.04485	1	7.99158723
2013	male	all maturity st	new shell	200.355529	1	5.82331127
2013	male	all maturity st	old shell	252.788177	1	9.26987337
2014	male	all maturity st	new shell	255.509315	1	5.99478641
2014	male	all maturity st	old shell	156.045872	1	8.07213233
2015	male	all maturity st	new shell	610.537698	1	3.91804711

	2015	male	all maturity st	old shell	207.469116	1	6.73243689
	2016	male	all maturity st	new shell	195.750969	1	7.92925756
	2016	male	all maturity st	old shell	120.327663	1	10.4492801
	2017	male	all maturity st	new shell	28.4466102	1	14.6119865
	2017	male	all maturity st	old shell	108.325706	1	10.5200994
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	2.98077481	0	191.027896
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.52871846	0	137.479967
all		female	mature	old shell	2.83589518	0	172.909482
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.69711201	1	156.399884
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.37840661	1	121.621587
all		female	mature	old shell	2.63927659	1	149.76429
	1975	female	immature	new shell	27.5487791	1	15.6937841
	1975	female	mature	new shell	136.715797	1	2.69795245
	1975	female	mature	old shell	12.0447056	1	20.5882476
	1976	female	immature	new shell	37.1174858	1	9.23148189
	1976	female	mature	new shell	274.860109	1	2.13578286
	1976	female	mature	old shell	13.4094427	1	21.0028848
	1977	female	immature	new shell	28.3678152	1	11.0415442
	1977	female	mature	new shell	419.125146	1	2.33380495
	1977	female	mature	old shell	46.7634823	1	7.41473084
	1978	female	immature	new shell	24.0186487	1	11.5768203
	1978	female	mature	new shell	95.7961573	1	2.88922896
	1978	female	mature	old shell	93.3171814	1	3.50937164
	1979	female	immature	new shell	37.2859144	1	6.0620754
	1979	female	mature	new shell	24.0632599	1	14.6121691
	1979	female	mature	old shell	55.8777597	1	5.62406914
	1980	female	immature	new shell	107.040928	1	3.62677733
	1980	female	mature	new shell	9.15708461	1	24.7160603
	1980	female	mature	old shell	47.8876696	1	5.08059697
	1981	female	immature	new shell	35.1167263	1	12.4011816
	1981	female	mature	new shell	8.12396032	1	39.9840564

1981	female	mature	old shell	178.736206	1	4.2933637
1982	female	immature	new shell	45.6419641	1	16.1728107
1982	female	mature	new shell	8.19457219	1	28.3207182
1982	female	mature	old shell	23.1348721	1	11.5575431
1983	female	immature	new shell	32.9816937	1	9.67830831
1983	female	mature	new shell	56.9902511	1	7.02358001
1983	female	mature	old shell	67.3118936	1	4.00050751
1984	female	immature	new shell	30.0200883	1	7.04283701
1984	female	mature	new shell	28.6180947	1	7.75026021
1984	female	mature	old shell	212.885392	1	2.04535915
1985	female	immature	new shell	93.3704339	1	4.85962489
1985	female	mature	new shell	13.5433394	1	34.9614283
1985	female	mature	old shell	259.236529	1	2.13667563
1986	female	immature	new shell	57.7599002	1	7.17802738
1986	female	mature	new shell	8.13183832	1	30.2338253
1986	female	mature	old shell	35.1713223	1	8.85897351
1987	female	immature	new shell	17.5333551	1	36.8437483
1987	female	mature	new shell	38.9079153	1	10.1062991
1987	female	mature	old shell	24.0056545	1	16.3972234
1988	female	immature	new shell	120.858139	1	5.71114712
1988	female	mature	new shell	15.5589862	1	22.6188789
1988	female	mature	old shell	38.8957716	1	9.65230531
1989	female	immature	new shell	45.0119085	1	5.7320956
1989	female	mature	new shell	32.7348173	1	9.70780925
1989	female	mature	old shell	47.3682764	1	9.52900406
1990	female	immature	new shell	65.7577614	1	5.34382214
1990	female	mature	new shell	145.260091	1	2.47723791
1990	female	mature	old shell	45.5980703	1	8.72210786
1991	female	immature	new shell	21.4311683	1	13.8090659
1991	female	mature	new shell	85.0443136	1	3.45823796
1991	female	mature	old shell	229.294065	1	2.24343644
1992	female	immature	new shell	35.542461	1	11.3063906
1992	female	mature	new shell	64.4017669	1	5.91378244
1992	female	mature	old shell	239.074207	1	1.82861724
1993	female	immature	new shell	64.9158826	1	6.73176857
1993	female	mature	new shell	27.2346415	1	9.76570233
1993	female	mature	old shell	252.936678	1	1.28247351
1994	female	immature	new shell	30.3130669	1	10.0972791
1994	female	mature	new shell	37.9527224	1	9.75202991
1994	female	mature	old shell	417.008269	1	1.2100369
1995	female	immature	new shell	68.9675422	1	6.82378068

1995	female	mature	new shell	34.284802	1	12.0744088
1995	female	mature	old shell	662.164591	1	0.5942236
1996	female	immature	new shell	68.510078	1	7.39843057
1996	female	mature	new shell	28.4689199	1	10.4706532
1996	female	mature	old shell	274.279909	1	1.36660466
1997	female	immature	new shell	46.0127781	1	5.72583503
1997	female	mature	new shell	104.380232	1	3.35377694
1997	female	mature	old shell	211.128443	1	2.20017701
1998	female	immature	new shell	174.495912	1	2.31133933
1998	female	mature	new shell	66.3055942	1	5.95644674
1998	female	mature	old shell	249.365353	1	2.74585094
1999	female	immature	new shell	68.3239274	1	4.88267667
1999	female	mature	new shell	21.6987043	1	11.0630885
1999	female	mature	old shell	147.506896	1	2.55008737
2000	female	immature	new shell	80.481179	1	2.9821534
2000	female	mature	new shell	57.4627528	1	4.73443845
2000	female	mature	old shell	35.7129196	1	9.93487792
2001	female	immature	new shell	169.17409	1	2.08486216
2001	female	mature	new shell	145.042541	1	5.16442814
2001	female	mature	old shell	69.0254408	1	4.33113247
2002	female	immature	new shell	50.0116405	1	5.58593455
2002	female	mature	new shell	43.2580139	1	7.77043622
2002	female	mature	old shell	99.4807575	1	2.89348437
2003	female	immature	new shell	71.6253681	1	4.5183079
2003	female	mature	new shell	105.968441	1	3.27471766
2003	female	mature	old shell	43.7415441	1	9.66857511
2004	female	immature	new shell	56.5766539	1	6.80493877
2004	female	mature	new shell	189.188398	1	1.38156711
2004	female	mature	old shell	41.8437721	1	10.3285462
2005	female	immature	new shell	293.58728	1	1.89134711
2005	female	mature	new shell	147.801122	1	4.00392501
2005	female	mature	old shell	262.24354	1	2.87153212
2006	female	immature	new shell	53.2053937	1	7.37589414
2006	female	mature	new shell	278.336647	1	2.01262691
2006	female	mature	old shell	119.101173	1	3.73740962
2007	female	immature	new shell	160.192711	1	2.88525209
2007	female	mature	new shell	65.802819	1	6.32979685
2007	female	mature	old shell	776.616557	1	0.73985375
2008	female	immature	new shell	89.8075297	1	4.43830728
2008	female	mature	new shell	94.6211945	1	4.75468849
2008	female	mature	old shell	464.48357	1	1.26987519

	2009	female	immature	new shell	24.4188037	1	9.47462032
	2009	female	mature	new shell	38.2650194	1	5.67827426
	2009	female	mature	old shell	415.627491	1	0.95651367
	2010	female	immature	new shell	102.795323	1	3.99706457
	2010	female	mature	new shell	191.594661	1	2.09925616
	2010	female	mature	old shell	973.272719	1	0.89045694
	2011	female	immature	new shell	82.8939772	1	4.80118295
	2011	female	mature	new shell	32.0141686	1	7.26716964
	2011	female	mature	old shell	259.849056	1	2.23618994
	2012	female	immature	new shell	71.3416447	1	5.37500974
	2012	female	mature	new shell	47.9343438	1	5.21511771
	2012	female	mature	old shell	292.972993	1	1.32616826
	2013	female	immature	new shell	100.369299	1	4.72593735
	2013	female	mature	new shell	319.271906	1	0.97696647
	2013	female	mature	old shell	67.753158	1	4.63257865
	2014	female	immature	new shell	20.7258205	1	18.9074799
	2014	female	mature	new shell	46.71062	1	4.89110749
	2014	female	mature	old shell	88.346955	1	4.02638757
	2015	female	immature	new shell	84.4555337	1	5.03976176
	2015	female	mature	new shell	17.4778155	1	13.9148427
	2015	female	mature	old shell	99.6679941	1	3.46702382
	2016	female	immature	new shell	50.3358139	1	8.43537988
	2016	female	mature	new shell	76.3205599	1	7.51725657
	2016	female	mature	old shell	48.2933878	1	5.66687182
	2017	female	immature	new shell	16.1610617	1	11.8869373
	2017	female	mature	new shell	26.8527612	1	17.0276142
	2017	female	mature	old shell	81.5425399	1	2.83517359
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.25319682	20	1.21806399
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	22.8186043	1	14.8855863
	1981	male	all maturity st	all shell condi	1573.08	1	0.39243653
	1982	male	all maturity st	all shell condi	432.694842	1	2.0031769
	1983	male	all maturity st	all shell condi	40.2789081	1	1.61048165
	1984	male	all maturity st	all shell condi	313.372547	1	0.69767373
	1988	male	all maturity st	all shell condi	96.6907876	1	5.99988458
	1989	male	all maturity st	all shell condi	676.072258	1	0.48650435
	1990	male	all maturity st	all shell condi	127.312317	1	6.11234599
	1991	male	all maturity st	all shell condi	313.379605	1	2.9289906
	1992	male	all maturity st	all shell condi	77.4781733	1	13.2208699

	1993	male	all maturity st	all shell condi	219.606462	1	6.09486672
	1994	male	all maturity st	all shell condi	110.218601	1	13.7592046
	1995	male	all maturity st	all shell condi	106.492313	1	0.47056352
	1996	male	all maturity st	all shell condi	145.834432	1	1.30033503
	2005	male	all maturity st	all shell condi	15.9523859	1	1.33400418
	2006	male	all maturity st	all shell condi	182.972698	1	0.66891583
	2007	male	all maturity st	all shell condi	735.348656	1	0.83485355
	2008	male	all maturity st	all shell condi	474.739223	1	0.62023171
	2009	male	all maturity st	all shell condi	99.5990213	1	0.79163847
	2013	male	all maturity st	all shell condi	435.250837	1	0.48150916
	2014	male	all maturity st	all shell condi	439.821107	1	1.86097945
	2015	male	all maturity st	all shell condi	331.168243	1	4.44145412
all		male	all maturity st	all shell condi	0.22819251	20	0.33846685
all		female	all maturity st	all shell condi	0.50337957	20	1.64704143
	1991	male	all maturity st	all shell condi	428.481073	1	3.33227867
	1991	female	all maturity st	all shell condi	503.023823	1	1.04548364
	1992	male	all maturity st	all shell condi	130.01838	1	17.9960897
	1992	female	all maturity st	all shell condi	736.623891	1	0.41881106
	1993	male	all maturity st	all shell condi	98.8000248	1	18.0876971
	1993	female	all maturity st	all shell condi	355.563519	1	0.73494589
	1994	male	all maturity st	all shell condi	84.4140687	1	4.70147249
	1994	female	all maturity st	all shell condi	71.9533212	1	1.29299563
	1995	male	all maturity st	all shell condi	344.533157	1	0.88662408
	1995	female	all maturity st	all shell condi	121.53723	1	0.857209
	1996	male	all maturity st	all shell condi	31.988555	1	1.30753337
	1996	female	all maturity st	all shell condi	162.537159	1	0.06828789
	2005	male	all maturity st	all shell condi	131.986194	1	12.2311682
	2005	female	all maturity st	all shell condi	42.9187021	1	0.95173822
	2006	male	all maturity st	all shell condi	396.321896	1	3.78185916
	2006	female	all maturity st	all shell condi	313.493549	1	0.8299729
	2007	male	all maturity st	all shell condi	747.35125	1	3.69989581
	2007	female	all maturity st	all shell condi	335.434492	1	0.35410323
	2008	male	all maturity st	all shell condi	707.406834	1	3.68981262
	2008	female	all maturity st	all shell condi	44.9209285	1	0.33172637
	2009	male	all maturity st	all shell condi	221.707804	1	5.38845067
	2009	female	all maturity st	all shell condi	23.5252679	1	0.18061611
	2013	male	all maturity st	all shell condi	3517.01851	1	0.91893706
	2013	female	all maturity st	all shell condi	66.8396401	1	0.5099309
	2014	male	all maturity st	all shell condi	367.121833	1	7.60504217
	2014	female	all maturity st	all shell condi	157.631692	1	0.25271918
	2015	male	all maturity st	all shell condi	201.95216	1	9.92230326

	2015	female	all maturity st	all shell condi	75.8376977	1	1.17751721
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.0393719	20	0.01937683
all		female	all maturity st	all shell condi	0.30529972	20	1.16509902
	1992	male	all maturity st	all shell condi	148.175432	1	2.83346879
	1992	female	all maturity st	all shell condi	19.0766224	1	0.98493984
	1993	male	all maturity st	all shell condi	298.233261	1	0.81556967
	1993	female	all maturity st	all shell condi	31.0053058	1	1.26943099
	1994	male	all maturity st	all shell condi	175.048144	1	0.61688019
	1994	female	all maturity st	all shell condi	38.9269545	1	1.94801989
	1995	male	all maturity st	all shell condi	208.353385	1	0.33987303
	1995	female	all maturity st	all shell condi	40.649121	1	0.30701097
	1996	male	all maturity st	all shell condi	50.2288574	1	4.15787348
	1996	female	all maturity st	all shell condi	43.8052537	1	0.47171125
	1997	male	all maturity st	all shell condi	426.463	1	0.953781
	1997	female	all maturity st	all shell condi	115.066567	1	0.18865147
	1998	male	all maturity st	all shell condi	346.639623	1	0.36146079
	1998	female	all maturity st	all shell condi	19.8323492	1	0.3480535
	1999	male	all maturity st	all shell condi	166.474196	1	0.31649178
	1999	female	all maturity st	all shell condi	30.6045775	1	0.06633649
	2000	male	all maturity st	all shell condi	224.708096	1	0.30165437
	2000	female	all maturity st	all shell condi	35.7257007	1	0.08501301
	2001	male	all maturity st	all shell condi	557.417964	1	0.28539557
	2001	female	all maturity st	all shell condi	152.268005	1	0.05114657
	2002	male	all maturity st	all shell condi	62.5365754	1	0.75682275
	2002	female	all maturity st	all shell condi	45.0325835	1	0.06874579
	2003	male	all maturity st	all shell condi	116.567755	1	0.3632215
	2003	female	all maturity st	all shell condi	44.2200307	1	0.10309818
	2004	male	all maturity st	all shell condi	23.8877876	1	1.78064831
	2004	female	all maturity st	all shell condi	31.0818931	1	0.84803377
	2005	male	all maturity st	all shell condi	108.974452	1	4.90968916
	2005	female	all maturity st	all shell condi	135.17796	1	0.13686843
	2006	male	all maturity st	all shell condi	73.8323221	1	6.12188757
	2006	female	all maturity st	all shell condi	42.5077272	1	1.15007753
	2007	male	all maturity st	all shell condi	310.32685	1	2.50508532
	2007	female	all maturity st	all shell condi	43.1007282	1	0.42364172
	2008	male	all maturity st	all shell condi	88.780573	1	7.24579978
	2008	female	all maturity st	all shell condi	15.5037339	1	2.17957769
	2009	male	all maturity st	all shell condi	457.355745	1	1.98918897
	2009	female	all maturity st	all shell condi	24.5388826	1	0.84784483

	2010	male	all maturity st	all shell condi	319.175237	1	1.47513101
	2010	female	all maturity st	all shell condi	87.0791117	1	0.16807506
	2011	male	all maturity st	all shell condi	189.60299	1	3.5458263
	2011	female	all maturity st	all shell condi	58.8306108	1	0.16139759
	2012	male	all maturity st	all shell condi	150.191914	1	3.33721716
	2012	female	all maturity st	all shell condi	53.3702018	1	0.15388787
	2013	male	all maturity st	all shell condi	285.78009	1	2.32524358
	2013	female	all maturity st	all shell condi	159.886914	1	0.09893223
	2014	male	all maturity st	all shell condi	380.85534	1	3.41949115
	2014	female	all maturity st	all shell condi	69.9106283	1	0.4126774
	2015	male	all maturity st	all shell condi	524.058187	1	1.87916825
	2015	female	all maturity st	all shell condi	98.7986121	1	0.10090522
	2016	male	all maturity st	all shell condi	366.999085	1	2.82317061
	2016	female	all maturity st	all shell condi	99.7343161	1	0.10341175
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.02678824	20	0.01578742
	1973	male	all maturity st	all shell condi	264.237853	1	-0.7899968
	1973	female	all maturity st	all shell condi	371.722705	1	3.66079832
	1974	male	all maturity st	all shell condi	143.967794	1	0.84571581
	1974	female	all maturity st	all shell condi	310.58362	1	2.30158442
	1975	male	all maturity st	all shell condi	118.953075	1	0.44746576
	1975	female	all maturity st	all shell condi	233.056433	1	1.68238735
	1976	male	all maturity st	all shell condi	79.8643044	1	-0.7002787
	1976	female	all maturity st	all shell condi	117.352715	1	20.82622
	1977	male	all maturity st	all shell condi	136.238788	1	0.89229422
	1977	female	all maturity st	all shell condi	189.613772	1	15.9526565
	1978	male	all maturity st	all shell condi	169.188145	1	1.91908133
	1978	female	all maturity st	all shell condi	155.966706	1	23.4607151
	1979	male	all maturity st	all shell condi	595.777318	1	-2.9687891
	1979	female	all maturity st	all shell condi	423.515966	1	10.7641876
	1980	male	all maturity st	all shell condi	732.609819	1	4.68343927
	1980	female	all maturity st	all shell condi	877.643689	1	0.05242723
	1981	male	all maturity st	all shell condi	693.552069	1	-4.1254288
	1981	female	all maturity st	all shell condi	73.4000002	1	11.5313151
	1982	male	all maturity st	all shell condi	576.53102	1	0.85481875
	1982	female	all maturity st	all shell condi	91.8063585	1	16.4826317
	1983	male	all maturity st	all shell condi	422.998815	1	22.2972131
	1983	female	all maturity st	all shell condi	324.965551	1	-6.9362361
	1984	male	all maturity st	all shell condi	514.935461	1	24.6864904
	1984	female	all maturity st	all shell condi	573.321269	1	-11.31048
	1985	male	all maturity st	all shell condi	227.403968	1	17.8509252

1985	female	all maturity st	all shell condi	310.360255	1	-1.9111787
1986	male	all maturity st	all shell condi	280.950824	1	11.397509
1986	female	all maturity st	all shell condi	130.627925	1	3.17799061
1987	male	all maturity st	all shell condi	207.49379	1	20.0466922
1987	female	all maturity st	all shell condi	907.426393	1	2.92106081
1988	male	all maturity st	all shell condi	240.744387	1	5.9146459
1988	female	all maturity st	all shell condi	227.463015	1	9.09549206
1989	male	all maturity st	all shell condi	418.469737	1	-1.7901753
1989	female	all maturity st	all shell condi	701.741948	1	15.6810213
1990	male	all maturity st	all shell condi	758.836737	1	16.0651685
1990	female	all maturity st	all shell condi	280.489452	1	-6.5732956
1991	male	all maturity st	all shell condi	303.45847	1	1.28325664
1991	female	all maturity st	all shell condi	168.147815	1	6.52383994
1992	male	all maturity st	all shell condi	194.915532	1	4.90857388
1992	female	all maturity st	all shell condi	66.0080823	1	2.38916861
1993	male	all maturity st	all shell condi	69.9902713	1	4.03331663
1993	female	all maturity st	all shell condi	101.77207	1	-0.5803312
1994	male	all maturity st	all shell condi	226.890403	1	3.41347549
1994	female	all maturity st	all shell condi	399.735102	1	0.47271917
1995	male	all maturity st	all shell condi	69.6868438	1	9.87914644
1995	female	all maturity st	all shell condi	71.5809673	1	3.03122209
1996	male	all maturity st	all shell condi	182.70593	1	13.2022066
1996	female	all maturity st	all shell condi	337.980737	1	-4.3884186
1997	male	all maturity st	all shell condi	54.0746863	1	19.3181194
1997	female	all maturity st	all shell condi	164.864427	1	5.87216845
1998	male	all maturity st	all shell condi	129.685427	1	7.66469529
1998	female	all maturity st	all shell condi	239.604219	1	8.04919309
1999	male	all maturity st	all shell condi	321.426404	1	5.41536957
1999	female	all maturity st	all shell condi	692.033755	1	3.02238751
2000	male	all maturity st	all shell condi	270.90332	1	7.563058
2000	female	all maturity st	all shell condi	446.821177	1	1.05966672
2001	male	all maturity st	all shell condi	505.513934	1	9.93747502
2001	female	all maturity st	all shell condi	1143.98778	1	-3.5774923
2002	male	all maturity st	all shell condi	399.462278	1	11.1584278
2002	female	all maturity st	all shell condi	746.141075	1	-0.1449344
2003	male	all maturity st	all shell condi	204.672768	1	4.12073987
2003	female	all maturity st	all shell condi	321.739475	1	4.40982469
2004	male	all maturity st	all shell condi	109.176787	1	-2.4037951
2004	female	all maturity st	all shell condi	32.0109297	1	39.1425597
2005	male	all maturity st	all shell condi	1268.31317	1	4.40693184
2005	female	all maturity st	all shell condi	1613.407	1	0.80601587

	2006	male	all maturity st	all shell condi	189.843043	1	12.8365712
	2006	female	all maturity st	all shell condi	185.919443	1	2.1997648
	2007	male	all maturity st	all shell condi	175.47712	1	10.3678088
	2007	female	all maturity st	all shell condi	106.480252	1	7.94063804
	2008	male	all maturity st	all shell condi	163.828807	1	26.5767361
	2008	female	all maturity st	all shell condi	217.597725	1	-9.1942137
	2009	male	all maturity st	all shell condi	315.198587	1	13.7251829
	2009	female	all maturity st	all shell condi	542.824644	1	-7.1794862
	2010	male	all maturity st	all shell condi	517.07476	1	6.43229491
	2010	female	all maturity st	all shell condi	1359.59422	1	-2.8296852
	2011	male	all maturity st	all shell condi	85.4641285	1	10.8853275
	2011	female	all maturity st	all shell condi	70.2412578	1	20.674046
	2012	male	all maturity st	all shell condi	282.435027	1	-6.703063
	2012	female	all maturity st	all shell condi	132.829297	1	13.1970448
	2013	male	all maturity st	all shell condi	227.569673	1	2.28106012
	2013	female	all maturity st	all shell condi	744.22904	1	9.17889784
	2014	male	all maturity st	all shell condi	1070.60842	1	9.48576709
	2014	female	all maturity st	all shell condi	730.137912	1	-5.8400787
	2015	male	all maturity st	all shell condi	222.980844	1	14.5838746
	2015	female	all maturity st	all shell condi	313.529952	1	0.94284093
	2016	male	all maturity st	all shell condi	212.162539	1	-4.3472742
	2016	female	all maturity st	all shell condi	51.7850922	1	26.1159391
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.02535975	20	0.00739585
all		female	all maturity st	all shell condi	0.009559	20	0.00105081
	1992	male	all maturity st	all shell condi	76.0813304	1	1.58110636
	1992	female	all maturity st	all shell condi	78.1702304	1	0.12957369
	1993	male	all maturity st	all shell condi	147.173007	1	2.2694222
	1993	female	all maturity st	all shell condi	364.929272	1	0.23759284
	1996	male	all maturity st	all shell condi	79.7594111	1	0.09986578
	1996	female	all maturity st	all shell condi	3.52656195	1	0.03163704
	1997	male	all maturity st	all shell condi	17.3258971	1	2.88889451
	1997	female	all maturity st	all shell condi	30.2634573	1	0.05299815
	1998	male	all maturity st	all shell condi	46.6652753	1	0.46196406
	1998	female	all maturity st	all shell condi	21.6280233	1	0.07087638
	1999	male	all maturity st	all shell condi	58.1552087	1	0.24030563
	1999	female	all maturity st	all shell condi	19.090232	1	0.0252833
	2000	male	all maturity st	all shell condi	183.604419	1	0.5553904
	2000	female	all maturity st	all shell condi	42.6552085	1	0.05871379
	2001	male	all maturity st	all shell condi	113.475244	1	0.27335128

2001	female	all maturity st	all shell condi	54.8242354	1	0.03666497
2002	male	all maturity st	all shell condi	103.110798	1	0.45051676
2002	female	all maturity st	all shell condi	34.7237845	1	0.05102933
2003	male	all maturity st	all shell condi	89.5993685	1	0.44500587
2003	female	all maturity st	all shell condi	51.6904645	1	0.09278792
2004	male	all maturity st	all shell condi	42.4449632	1	0.61002931
2004	female	all maturity st	all shell condi	20.7535201	1	0.05818053
2005	male	all maturity st	all shell condi	54.3403454	1	1.34745103
2005	female	all maturity st	all shell condi	13.475152	1	0.16439277
2006	male	all maturity st	all shell condi	25.4076664	1	1.83330589
2006	female	all maturity st	all shell condi	26.4014421	1	0.25353699
2007	male	all maturity st	all shell condi	116.893109	1	0.90157668
2007	female	all maturity st	all shell condi	105.218807	1	0.08744894
2008	male	all maturity st	all shell condi	53.1301099	1	3.37752048
2008	female	all maturity st	all shell condi	106.573307	1	0.11253806
2009	male	all maturity st	all shell condi	20.6688521	1	7.49803995
2009	female	all maturity st	all shell condi	122.720495	1	0.04776501
2010	male	all maturity st	all shell condi	56.5782483	1	0.7339341
2010	female	all maturity st	all shell condi	36.1902026	1	0.04510477
2011	male	all maturity st	all shell condi	81.7534724	1	0.28646317
2011	female	all maturity st	all shell condi	5.53170423	1	0.02103345
2012	male	all maturity st	all shell condi	85.2341218	1	0.53319976
2012	female	all maturity st	all shell condi	6.61494655	1	0.22295848
2013	male	all maturity st	all shell condi	61.6525318	1	1.7703
2013	female	all maturity st	all shell condi	9.70716172	1	0.17597204
2014	male	all maturity st	all shell condi	147.354182	1	1.33895495
2014	female	all maturity st	all shell condi	21.1376041	1	0.07191551
2015	male	all maturity st	all shell condi	268.521825	1	0.58519621
2015	female	all maturity st	all shell condi	96.2845744	1	0.07571898
2016	male	all maturity st	all shell condi	26.2620185	1	6.53601729
2016	female	all maturity st	all shell condi	20.0015945	1	0.51231533
2015	male	immature	new shell	0.51858273	1	90.5801479
2016	male	immature	new shell	0.51858273	1	101.190912
2015	female	immature	new shell	0.37794472	1	73.4505154
2016	female	immature	new shell	0.37794472	1	64.343399
1994	male	immature	new shell	0.53764647	0	12.4684869
1995	male	immature	new shell	0.53764647	0	29.0747387
1996	male	immature	new shell	0.53764647	0	343.26448
1997	male	immature	new shell	0.53764647	0	437.320015
1998	male	immature	new shell	0.53764647	0	443.895582
1999	male	immature	new shell	0.53764647	0	422.147786

2000	male	immature	new shell	0.53764647	0	704.017447
2001	male	immature	new shell	0.53764647	0	809.487745
2002	male	immature	new shell	0.53764647	0	703.74173
2003	male	immature	new shell	0.53764647	0	236.881444
2004	male	immature	new shell	0.53764647	0	162.175749
2005	male	immature	new shell	0.53764647	0	80.1419949
2006	male	immature	new shell	0.53764647	0	9.462392
2011	male	immature	new shell	0.53764647	0	2.03668004
2012	male	immature	new shell	0.53764647	0	2.69664784
1994	female	immature	new shell	0.5085852	0	15.8916432
1995	female	immature	new shell	0.5085852	0	15.8174197
1996	female	immature	new shell	0.5085852	0	217.253293
1997	female	immature	new shell	0.5085852	0	168.914618
1998	female	immature	new shell	0.5085852	0	234.758521
1999	female	immature	new shell	0.5085852	0	318.832867
2000	female	immature	new shell	0.5085852	0	593.729763
2001	female	immature	new shell	0.5085852	0	554.939108
2002	female	immature	new shell	0.5085852	0	324.734349
2003	female	immature	new shell	0.5085852	0	91.5445881
2004	female	immature	new shell	0.5085852	0	98.7542579
2005	female	immature	new shell	0.5085852	0	23.6073269
2006	female	immature	new shell	0.5085852	0	7.29323159
2012	female	immature	new shell	0.5085852	0	2.29170136
1990	male		new shell	4.79855346	1	58.7871783
1991	male		new shell	4.79855346	1	60.819605
1992	male		new shell	4.79855346	1	18.6921713
1993	male		new shell	4.79855346	1	29.8733339
1994	male		new shell	4.79855346	1	22.8566855
1995	male		new shell	4.79855346	1	14.0430807
1997	male		new shell	4.79855346	1	9.52999764
1998	male		new shell	4.79855346	1	27.7971919
1999	male		new shell	4.79855346	1	11.5450079
2000	male		new shell	4.79855346	1	22.5665296
2001	male		new shell	4.79855346	1	27.1883026
2002	male		new shell	4.79855346	1	20.5414328
2003	male		new shell	4.79855346	1	13.4410049
2004	male		new shell	4.79855346	1	18.7031591
2005	male		new shell	4.79855346	1	67.54153
2008	male		new shell	4.79855346	1	57.015891
2010	male		new shell	4.79855346	1	70.8737056
2012	male		new shell	4.79855346	1	15.1905682

	2014	male		new shell	4.79855346	1	26.3331802
	2016	male		new shell	4.79855346	1	38.6743874
	2017	male		new shell	4.79855346	1	18.2088714
all		male	immature	new shell	0.09975135	1	2542.14649
all		male	mature	new shell	0.09975135	1	2542.14649
all		male	immature	old shell	0.09975135	1	2542.14649
all		male	mature	old shell	0.09975135	1	2542.14649
all		female	immature	new shell	0.09975135	1	2542.14649
all		female	mature	new shell	0.09975135	1	2542.14649
all		female	immature	old shell	0.09975135	1	2542.14649
all		female	mature	old shell	0.09975135	1	2542.14649
all		male	immature	new shell	0.09975135	1	25260.4437
all		male	mature	new shell	0.09975135	1	25260.4437
all		male	immature	old shell	0.09975135	1	25260.4437
all		male	mature	old shell	0.09975135	1	25260.4437
all		female	immature	new shell	0.09975135	1	25260.4437
all		female	mature	new shell	0.09975135	1	25260.4437
all		female	immature	old shell	0.09975135	1	25260.4437
all		female	mature	old shell	0.09975135	1	25260.4437
all		male	immature	all shell condi	3.30311216	0	234.576824
all		male	mature	all shell condi	2.85789104	0	175.602136
all		female	immature	all shell condi	2.95861929	0	188.198704
all		female	mature	all shell condi	2.45336624	0	129.408627
all		male	mature	all shell condi	2.35590251	0	119.330947
all		female	mature	all shell condi	2.28897099	0	112.646846
	1975	male	immature	all shell condi	1234.95201	0	5.03022607
	1975	male	mature	all shell condi	72.0014509	0	41.5789333
	1975	female	immature	all shell condi	133.142212	0	13.8273141
	1975	female	mature	all shell condi	103.543928	0	-13.233252
	1976	male	immature	all shell condi	172.406893	0	23.2968947
	1976	male	mature	all shell condi	126.635547	0	-6.3352934
	1976	female	immature	all shell condi	29.308953	0	45.4116256
	1976	female	mature	all shell condi	145.093438	0	-10.772436
	1977	male	immature	all shell condi	227.795899	0	7.34359205
	1977	male	mature	all shell condi	104.966885	0	-13.778762
	1977	female	immature	all shell condi	11.3268742	0	81.803746
	1977	female	mature	all shell condi	301.17563	0	-9.4373592
	1978	male	immature	all shell condi	191.402945	0	1.02411791
	1978	male	mature	all shell condi	165.604545	0	-4.8300016
	1978	female	immature	all shell condi	20.9274228	0	51.4817403
	1978	female	mature	all shell condi	998.575719	0	-4.8820426

1979	male	immature	all shell condi	281.004521	0	4.32344191
1979	male	mature	all shell condi	166.919888	0	-11.81433
1979	female	immature	all shell condi	176.484631	0	8.78415985
1979	female	mature	all shell condi	62.9556561	0	27.5981984
1980	male	immature	all shell condi	218.125276	0	14.346809
1980	male	mature	all shell condi	123.666081	0	-15.573385
1980	female	immature	all shell condi	259.952649	0	10.1285667
1980	female	mature	all shell condi	40.3207867	0	26.8013066
1981	male	immature	all shell condi	732.107136	0	-2.8633365
1981	male	mature	all shell condi	302.650073	0	-15.924694
1981	female	immature	all shell condi	217.291172	0	-2.9921007
1981	female	mature	all shell condi	18.6228061	0	76.1332997
1982	male	immature	all shell condi	176.858736	0	-13.032002
1982	male	mature	all shell condi	275.856025	0	-12.606312
1982	female	immature	all shell condi	101.479296	0	-8.2543113
1982	female	mature	all shell condi	6.02641574	0	148.176569
1983	male	immature	all shell condi	142.18212	0	7.27610254
1983	male	mature	all shell condi	434.41499	0	-5.9126019
1983	female	immature	all shell condi	144.945988	0	7.72055302
1983	female	mature	all shell condi	80.5380225	0	24.3101362
1984	male	immature	all shell condi	270.355504	0	-11.630066
1984	male	mature	all shell condi	287.704057	0	12.2665385
1984	female	immature	all shell condi	130.312713	0	-7.6353488
1984	female	mature	all shell condi	48.2237978	0	37.3151028
1985	male	immature	all shell condi	141.208889	0	-16.879752
1985	male	mature	all shell condi	74.1302239	0	35.6186772
1985	female	immature	all shell condi	68.843206	0	-21.598791
1985	female	mature	all shell condi	29.8348011	0	52.0056358
1986	male	immature	all shell condi	344.011023	0	7.98413725
1986	male	mature	all shell condi	100.001761	0	24.2680668
1986	female	immature	all shell condi	109.617801	0	-8.9473426
1986	female	mature	all shell condi	226.283709	0	2.56268107
1987	male	immature	all shell condi	171.625672	0	7.26591873
1987	male	mature	all shell condi	884.282759	0	5.47617113
1987	female	immature	all shell condi	45.2784155	0	51.6767104
1987	female	mature	all shell condi	211.439147	0	-4.6420933
1988	male	immature	all shell condi	659.486445	0	2.02510144
1988	male	mature	all shell condi	665.265462	0	9.27625763
1988	female	immature	all shell condi	207.197917	0	-8.7433609
1988	female	mature	all shell condi	107.327631	0	17.209205
1989	male	immature	all shell condi	190.40666	0	11.3370119

1989	male	mature	all shell condi	859.03656	0	1.85048464
1989	female	immature	all shell condi	129.45677	0	12.5620774
1989	female	mature	all shell condi	183.464192	0	-5.8575606
1990	male	immature	all shell condi	673.920721	0	2.33303138
1990	male	mature	all shell condi	597.011685	0	-5.8615471
1990	female	immature	all shell condi	315.713539	0	4.95039864
1990	female	mature	all shell condi	401.677715	0	10.5819453
1991	male	immature	all shell condi	290.74374	0	9.12180484
1991	male	mature	all shell condi	751.27561	0	-9.3115219
1991	female	immature	all shell condi	156.218455	0	6.39730866
1991	female	mature	all shell condi	927.122299	0	8.91686603
1992	male	immature	all shell condi	652.705898	0	10.6607061
1992	male	mature	all shell condi	410.522847	0	2.48590815
1992	female	immature	all shell condi	377.514431	0	1.53902258
1992	female	mature	all shell condi	2770.16609	0	-2.7127614
1993	male	immature	all shell condi	430.789484	0	16.5711251
1993	male	mature	all shell condi	500.657603	0	8.06500861
1993	female	immature	all shell condi	713.157678	0	1.54101489
1993	female	mature	all shell condi	261.712329	0	-14.6677
1994	male	immature	all shell condi	309.681672	0	9.58081318
1994	male	mature	all shell condi	695.387319	0	2.30525478
1994	female	immature	all shell condi	103.173971	0	15.2158152
1994	female	mature	all shell condi	423.546811	0	-11.980155
1995	male	immature	all shell condi	334.793402	0	-5.8354976
1995	male	mature	all shell condi	560.446738	0	5.38987275
1995	female	immature	all shell condi	240.722961	0	-6.005295
1995	female	mature	all shell condi	142.179921	0	23.3801882
1996	male	immature	all shell condi	535.34733	0	-3.5003622
1996	male	mature	all shell condi	561.908485	0	8.65303028
1996	female	immature	all shell condi	230.214886	0	-5.0925383
1996	female	mature	all shell condi	287.08768	0	13.2322978
1997	male	immature	all shell condi	240.253632	0	8.59226227
1997	male	mature	all shell condi	1217.95889	0	-4.6034925
1997	female	immature	all shell condi	82.402285	0	21.3189664
1997	female	mature	all shell condi	427.785528	0	-8.6244555
1998	male	immature	all shell condi	107.024269	0	22.6973317
1998	male	mature	all shell condi	1516.32165	0	-4.2272102
1998	female	immature	all shell condi	209.143997	0	18.4092648
1998	female	mature	all shell condi	127.058076	0	-12.05468
1999	male	immature	all shell condi	141.136144	0	17.5922907
1999	male	mature	all shell condi	814.857432	0	-0.0982902

1999	female	immature	all shell condi	165.310018	0	9.92697111
1999	female	mature	all shell condi	277.13951	0	-7.3532729
2000	male	immature	all shell condi	136.487101	0	12.536069
2000	male	mature	all shell condi	2038.37505	0	3.25086867
2000	female	immature	all shell condi	279.381124	0	1.9143721
2000	female	mature	all shell condi	304.75964	0	-4.0996104
2001	male	immature	all shell condi	194.691693	0	17.0109334
2001	male	mature	all shell condi	727.411453	0	-5.297665
2001	female	immature	all shell condi	291.171889	0	12.5128927
2001	female	mature	all shell condi	277.629595	0	-6.2665542
2002	male	immature	all shell condi	123.79692	0	12.916442
2002	male	mature	all shell condi	1444.60009	0	-2.355075
2002	female	immature	all shell condi	108.785806	0	15.9795071
2002	female	mature	all shell condi	589.189456	0	-5.1343118
2003	male	immature	all shell condi	297.578871	0	9.06684636
2003	male	mature	all shell condi	1899.00594	0	1.80703473
2003	female	immature	all shell condi	233.794759	0	-5.4899481
2003	female	mature	all shell condi	312.995997	0	8.10797602
2004	male	immature	all shell condi	187.601619	0	6.3236374
2004	male	mature	all shell condi	490.054616	0	12.0083683
2004	female	immature	all shell condi	154.503132	0	11.1359584
2004	female	mature	all shell condi	261.335242	0	-5.473245
2005	male	immature	all shell condi	300.276148	0	4.73196555
2005	male	mature	all shell condi	1592.68535	0	-4.2004549
2005	female	immature	all shell condi	247.049673	0	17.6381045
2005	female	mature	all shell condi	1019.375	0	-4.1417296
2006	male	immature	all shell condi	296.179748	0	12.8527389
2006	male	mature	all shell condi	1023.03531	0	1.92553747
2006	female	immature	all shell condi	193.966322	0	9.75680029
2006	female	mature	all shell condi	469.467137	0	-7.0091605
2007	male	immature	all shell condi	199.126926	0	27.9256255
2007	male	mature	all shell condi	628.965411	0	4.36464001
2007	female	immature	all shell condi	1005.23704	0	-0.6393391
2007	female	mature	all shell condi	160.200249	0	-12.438414
2008	male	immature	all shell condi	611.378516	0	12.9012881
2008	male	mature	all shell condi	837.054258	0	4.11072497
2008	female	immature	all shell condi	608.431497	0	1.33443858
2008	female	mature	all shell condi	499.823173	0	-8.5500638
2009	male	immature	all shell condi	176.979764	0	6.49136804
2009	male	mature	all shell condi	541.428639	0	7.66852843
2009	female	immature	all shell condi	88.2819075	0	1.43722593

	2009	female	mature	all shell condi	1950.11894	0	1.35683563
	2010	male	immature	all shell condi	539.164033	0	2.78866619
	2010	male	mature	all shell condi	430.080733	0	12.6192807
	2010	female	immature	all shell condi	230.690168	0	-3.620216
	2010	female	mature	all shell condi	2831.0442	0	-2.7698521
	2011	male	immature	all shell condi	418.191731	0	11.5894485
	2011	male	mature	all shell condi	2085.3301	0	0.68570892
	2011	female	immature	all shell condi	250.608208	0	7.98283488
	2011	female	mature	all shell condi	257.815502	0	-6.3069243
	2012	male	immature	all shell condi	300.628866	0	18.9657599
	2012	male	mature	all shell condi	1099.76896	0	0.30788912
	2012	female	immature	all shell condi	244.834931	0	0.68993444
	2012	female	mature	all shell condi	496.390471	0	-4.9768845
	2013	male	immature	all shell condi	737.657837	0	12.6298734
	2013	male	mature	all shell condi	388.38422	0	4.3766531
	2013	female	immature	all shell condi	506.834128	0	0.15340117
	2013	female	mature	all shell condi	984.579793	0	-4.8339582
	2014	male	immature	all shell condi	332.925503	0	17.4300676
	2014	male	mature	all shell condi	562.864175	0	2.55185227
	2014	female	immature	all shell condi	105.658523	0	14.0592991
	2014	female	mature	all shell condi	294.640549	0	-10.808399
	2015	male	immature	all shell condi	865.583551	0	9.68174668
	2015	male	mature	all shell condi	701.008584	0	2.75513694
	2015	female	immature	all shell condi	652.27189	0	1.91664327
	2015	female	mature	all shell condi	372.225267	0	-2.3972998
	2016	male	immature	all shell condi	496.495582	0	8.7079333
	2016	male	mature	all shell condi	175.441543	0	23.0305837
	2016	female	immature	all shell condi	411.295956	0	-1.0766475
	2016	female	mature	all shell condi	246.98569	0	-8.6543366
	2017	male	immature	all shell condi	104.061833	0	-1.8162069
	2017	male	mature	all shell condi	118.180796	0	29.1217994
	2017	female	immature	all shell condi	77.7865504	0	1.69053639
	2017	female	mature	all shell condi	556.524349	0	1.94112161
all		male	all maturity st	new shell	3.37292174	0	244.596922
all		male	all maturity st	old shell	4.94716453	0	526.200393
all		female	all maturity st	new shell	0	0	0
all		female	all maturity st	old shell	0	0	0
all		male	all maturity st	new shell	2.56927859	1	141.925638
all		male	all maturity st	old shell	3.90184326	1	327.324188
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0

1975	male	all maturity st	new shell	52.4214465	1	32.5140369
1975	male	all maturity st	old shell	24.7772502	1	42.6619743
1976	male	all maturity st	new shell	112.774981	1	14.4102887
1976	male	all maturity st	old shell	17.9281826	1	65.9259328
1977	male	all maturity st	new shell	110.514032	1	12.5955574
1977	male	all maturity st	old shell	69.1799057	1	21.4007534
1978	male	all maturity st	new shell	70.1806238	1	17.0518029
1978	male	all maturity st	old shell	50.11909	1	25.7099771
1979	male	all maturity st	new shell	132.666193	1	6.55889009
1979	male	all maturity st	old shell	30.4868507	1	41.7253302
1980	male	all maturity st	new shell	114.382991	1	6.90793762
1980	male	all maturity st	old shell	30.7668214	1	43.3685623
1981	male	all maturity st	new shell	124.045085	1	9.76082851
1981	male	all maturity st	old shell	24.8627554	1	44.8028621
1982	male	all maturity st	new shell	59.5228599	1	19.4546652
1982	male	all maturity st	old shell	288.201948	1	4.39496006
1983	male	all maturity st	new shell	47.8346872	1	20.722172
1983	male	all maturity st	old shell	82.5136617	1	14.195834
1984	male	all maturity st	new shell	90.2718795	1	6.85985529
1984	male	all maturity st	old shell	58.5101311	1	18.3827968
1985	male	all maturity st	new shell	76.2365095	1	14.1362191
1985	male	all maturity st	old shell	51.7618772	1	23.6854861
1986	male	all maturity st	new shell	90.1145314	1	12.4600101
1986	male	all maturity st	old shell	91.6459862	1	12.1931724
1987	male	all maturity st	new shell	67.8262518	1	12.098867
1987	male	all maturity st	old shell	190.382705	1	10.2074282
1988	male	all maturity st	new shell	151.883492	1	7.39367158
1988	male	all maturity st	old shell	226.502651	1	9.21419476
1989	male	all maturity st	new shell	116.421075	1	9.03609702
1989	male	all maturity st	old shell	399.530615	1	6.66083024
1990	male	all maturity st	new shell	319.100585	1	3.96080039
1990	male	all maturity st	old shell	313.7539	1	5.68746833
1991	male	all maturity st	new shell	172.037891	1	7.15955
1991	male	all maturity st	old shell	320.172739	1	5.65926046
1992	male	all maturity st	new shell	240.362796	1	5.42153075
1992	male	all maturity st	old shell	112.545331	1	9.62533798
1993	male	all maturity st	new shell	331.98066	1	3.68720275
1993	male	all maturity st	old shell	204.909034	1	5.09000521
1994	male	all maturity st	new shell	191.47444	1	5.45562291
1994	male	all maturity st	old shell	151.102922	1	7.32310849
1995	male	all maturity st	new shell	97.0756414	1	9.03552937

1995	male	all maturity st	old shell	126.106744	1	11.0361591
1996	male	all maturity st	new shell	130.486689	1	10.6933692
1996	male	all maturity st	old shell	95.5179532	1	11.3011684
1997	male	all maturity st	new shell	113.505457	1	8.39984008
1997	male	all maturity st	old shell	227.262518	1	8.99203311
1998	male	all maturity st	new shell	78.0958147	1	10.5926066
1998	male	all maturity st	old shell	277.470283	1	5.64949763
1999	male	all maturity st	new shell	95.6055132	1	8.89271986
1999	male	all maturity st	old shell	113.095491	1	10.2801126
2000	male	all maturity st	new shell	95.6246482	1	5.97029105
2000	male	all maturity st	old shell	171.833813	1	8.44565421
2001	male	all maturity st	new shell	123.250696	1	8.8198399
2001	male	all maturity st	old shell	292.386066	1	7.37178854
2002	male	all maturity st	new shell	52.8261367	1	14.6405998
2002	male	all maturity st	old shell	354.237271	1	5.05013064
2003	male	all maturity st	new shell	139.036145	1	7.74758854
2003	male	all maturity st	old shell	295.957583	1	6.73809087
2004	male	all maturity st	new shell	91.7366358	1	9.70466508
2004	male	all maturity st	old shell	58.7618082	1	35.1843492
2005	male	all maturity st	new shell	130.498065	1	7.95050295
2005	male	all maturity st	old shell	435.446218	1	6.01518339
2006	male	all maturity st	new shell	127.555444	1	9.96055503
2006	male	all maturity st	old shell	378.711042	1	7.43396998
2007	male	all maturity st	new shell	257.255146	1	6.40862466
2007	male	all maturity st	old shell	227.504999	1	12.9463115
2008	male	all maturity st	new shell	443.864494	1	3.25728457
2008	male	all maturity st	old shell	138.364741	1	12.0636589
2009	male	all maturity st	new shell	55.1133993	1	12.27541
2009	male	all maturity st	old shell	121.78814	1	9.57783784
2010	male	all maturity st	new shell	94.4826217	1	11.6695823
2010	male	all maturity st	old shell	185.824707	1	7.30773978
2011	male	all maturity st	new shell	269.154845	1	2.84892624
2011	male	all maturity st	old shell	183.763887	1	8.23480075
2012	male	all maturity st	new shell	318.925408	1	2.76813772
2012	male	all maturity st	old shell	153.828795	1	8.23955854
2013	male	all maturity st	new shell	220.371135	1	5.64914687
2013	male	all maturity st	old shell	240.349152	1	9.80321751
2014	male	all maturity st	new shell	247.432566	1	6.35236292
2014	male	all maturity st	old shell	160.741999	1	8.1435051
2015	male	all maturity st	new shell	562.721027	1	4.25214362
2015	male	all maturity st	old shell	200.588731	1	7.07787276

	2016	male	all maturity st	new shell	194.429656	1	8.08610204
	2016	male	all maturity st	old shell	115.61566	1	11.0286798
	2017	male	all maturity st	new shell	28.9967207	1	14.2820236
	2017	male	all maturity st	old shell	103.457862	1	11.0980969
all		male	immature	new shell	0	0	0
all		male	immature	old shell	0	0	0
all		male	mature	new shell	0	0	0
all		male	mature	old shell	0	0	0
all		female	immature	new shell	2.95861929	0	188.198704
all		female	immature	old shell	0	0	0
all		female	mature	new shell	2.39914469	0	123.751747
all		female	mature	old shell	2.96686159	0	189.248755
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.65837151	1	151.939191
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.25302175	1	109.136301
all		female	mature	old shell	2.75870159	1	163.624341
	1975	female	immature	new shell	38.1669667	1	10.0346985
	1975	female	mature	new shell	176.965877	1	2.28394194
	1975	female	mature	old shell	11.0600404	1	22.3224798
	1976	female	immature	new shell	24.9504005	1	15.3979871
	1976	female	mature	new shell	246.976752	1	2.30583859
	1976	female	mature	old shell	12.8126961	1	21.8632051
	1977	female	immature	new shell	39.4499631	1	7.91002557
	1977	female	mature	new shell	429.006403	1	2.44425273
	1977	female	mature	old shell	44.5262079	1	7.58568721
	1978	female	immature	new shell	18.8015363	1	15.0105653
	1978	female	mature	new shell	107.199121	1	2.46535735
	1978	female	mature	old shell	90.3898731	1	3.67736556
	1979	female	immature	new shell	40.5833364	1	5.11749104
	1979	female	mature	new shell	22.6930706	1	15.1526064
	1979	female	mature	old shell	48.8374788	1	6.04303615
	1980	female	immature	new shell	132.662612	1	2.70024048
	1980	female	mature	new shell	9.40904623	1	23.7547606
	1980	female	mature	old shell	43.4737224	1	5.63185027
	1981	female	immature	new shell	24.1925957	1	20.0177179
	1981	female	mature	new shell	8.55026906	1	37.6535497
	1981	female	mature	old shell	160.731665	1	4.64126333

1982	female	immature	new shell	42.7933348	1	17.7324653
1982	female	mature	new shell	8.64067526	1	26.4750012
1982	female	mature	old shell	23.2785332	1	11.5226357
1983	female	immature	new shell	34.6495322	1	9.18435682
1983	female	mature	new shell	55.420327	1	7.27019855
1983	female	mature	old shell	70.6811235	1	3.84392517
1984	female	immature	new shell	30.7104549	1	6.80850595
1984	female	mature	new shell	29.3146503	1	7.5237266
1984	female	mature	old shell	228.137028	1	1.98528764
1985	female	immature	new shell	81.7301863	1	5.41839444
1985	female	mature	new shell	13.4651715	1	34.991421
1985	female	mature	old shell	275.359114	1	2.08768871
1986	female	immature	new shell	54.3124933	1	7.72075836
1986	female	mature	new shell	8.03372806	1	30.7460065
1986	female	mature	old shell	34.0899481	1	9.09195463
1987	female	immature	new shell	16.7656638	1	39.0450132
1987	female	mature	new shell	36.8063076	1	10.5104335
1987	female	mature	old shell	23.3841533	1	16.7291708
1988	female	immature	new shell	109.768203	1	6.34299316
1988	female	mature	new shell	15.1205648	1	23.2460076
1988	female	mature	old shell	37.0159339	1	10.0323702
1989	female	immature	new shell	45.6779708	1	5.5765899
1989	female	mature	new shell	31.678372	1	10.0517787
1989	female	mature	old shell	45.018072	1	9.90354119
1990	female	immature	new shell	64.8149308	1	5.42867551
1990	female	mature	new shell	152.688708	1	2.43509948
1990	female	mature	old shell	43.7447943	1	9.07225085
1991	female	immature	new shell	21.6912881	1	13.7378292
1991	female	mature	new shell	86.8108601	1	3.38594442
1991	female	mature	old shell	213.338197	1	2.37153388
1992	female	immature	new shell	34.3122071	1	11.5507546
1992	female	mature	new shell	65.9430336	1	5.79866001
1992	female	mature	old shell	222.251705	1	1.94309484
1993	female	immature	new shell	64.6055315	1	6.76738285
1993	female	mature	new shell	28.3353637	1	9.40506853
1993	female	mature	old shell	240.878706	1	1.34699741
1994	female	immature	new shell	30.1942009	1	10.1439504
1994	female	mature	new shell	38.6915058	1	9.64344714
1994	female	mature	old shell	403.942226	1	1.25722296
1995	female	immature	new shell	69.7471793	1	6.83505687
1995	female	mature	new shell	33.2886115	1	12.3410709

1995	female	mature	old shell	639.536001	1	0.63120743
1996	female	immature	new shell	67.5785992	1	7.57706227
1996	female	mature	new shell	28.7247322	1	10.46065
1996	female	mature	old shell	263.263825	1	1.43177908
1997	female	immature	new shell	46.4561775	1	5.63149257
1997	female	mature	new shell	102.879831	1	3.39540705
1997	female	mature	old shell	205.490132	1	2.28236889
1998	female	immature	new shell	179.522976	1	2.23234746
1998	female	mature	new shell	64.7321713	1	6.10568451
1998	female	mature	old shell	233.166835	1	2.87167689
1999	female	immature	new shell	64.6975832	1	5.13560734
1999	female	mature	new shell	21.2583184	1	11.2967556
1999	female	mature	old shell	144.479669	1	2.6015655
2000	female	immature	new shell	81.8972711	1	2.90472193
2000	female	mature	new shell	57.5348199	1	4.7606873
2000	female	mature	old shell	34.5930935	1	10.1570562
2001	female	immature	new shell	168.508329	1	2.07202662
2001	female	mature	new shell	145.341534	1	5.24359374
2001	female	mature	old shell	66.7459998	1	4.48878346
2002	female	immature	new shell	49.8305226	1	5.56376659
2002	female	mature	new shell	41.9193781	1	7.9391795
2002	female	mature	old shell	100.221679	1	2.87666818
2003	female	immature	new shell	74.8147862	1	4.3357108
2003	female	mature	new shell	110.277803	1	3.23337805
2003	female	mature	old shell	44.0809808	1	9.5825235
2004	female	immature	new shell	59.5799767	1	6.48883117
2004	female	mature	new shell	197.909379	1	1.31993708
2004	female	mature	old shell	42.5150668	1	10.1748724
2005	female	immature	new shell	288.753292	1	1.83721442
2005	female	mature	new shell	146.744724	1	4.08386679
2005	female	mature	old shell	272.238159	1	2.83193844
2006	female	immature	new shell	49.9740147	1	7.89612059
2006	female	mature	new shell	265.293745	1	2.08079806
2006	female	mature	old shell	120.449392	1	3.71360206
2007	female	immature	new shell	166.438086	1	2.73675336
2007	female	mature	new shell	66.1329786	1	6.23905264
2007	female	mature	old shell	738.906564	1	0.78026114
2008	female	immature	new shell	84.5565249	1	4.72292695
2008	female	mature	new shell	100.046164	1	4.5411801
2008	female	mature	old shell	475.782932	1	1.2972144
2009	female	immature	new shell	24.9292655	1	9.2198622

	2009	female	mature	new shell	39.5773261	1	5.52511378
	2009	female	mature	old shell	414.855214	1	0.99785936
	2010	female	immature	new shell	99.4508064	1	4.15891107
	2010	female	mature	new shell	188.999842	1	2.13026264
	2010	female	mature	old shell	896.546535	1	0.95150555
	2011	female	immature	new shell	82.3579703	1	4.99855613
	2011	female	mature	new shell	32.0847516	1	7.26677681
	2011	female	mature	old shell	244.378303	1	2.34375305
	2012	female	immature	new shell	61.9414037	1	6.20988366
	2012	female	mature	new shell	45.8923587	1	5.42208275
	2012	female	mature	old shell	277.123926	1	1.38396917
	2013	female	immature	new shell	95.1266277	1	4.93617789
	2013	female	mature	new shell	356.285378	1	0.94342737
	2013	female	mature	old shell	64.9674294	1	4.78372321
	2014	female	immature	new shell	19.9600725	1	19.4262047
	2014	female	mature	new shell	50.6422803	1	4.46602439
	2014	female	mature	old shell	83.6419849	1	4.2248652
	2015	female	immature	new shell	83.0107608	1	5.09249975
	2015	female	mature	new shell	17.9664123	1	13.5921465
	2015	female	mature	old shell	102.728919	1	3.42340397
	2016	female	immature	new shell	50.0136588	1	8.46063282
	2016	female	mature	new shell	75.6666101	1	7.58442475
	2016	female	mature	old shell	49.1137822	1	5.61032741
	2017	female	immature	new shell	16.0565754	1	11.9899078
	2017	female	mature	new shell	26.8370334	1	17.0642575
	2017	female	mature	old shell	82.2668074	1	2.82701849
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.24970907	20	1.18473776
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	19.4167128	1	17.1870504
	1981	male	all maturity st	all shell condi	567.281788	1	0.70657194
	1982	male	all maturity st	all shell condi	292.283724	1	2.52573371
	1983	male	all maturity st	all shell condi	41.5196505	1	1.57197086
	1984	male	all maturity st	all shell condi	331.137018	1	0.72070158
	1988	male	all maturity st	all shell condi	73.5296472	1	7.34540838
	1989	male	all maturity st	all shell condi	345.558411	1	0.66663451
	1990	male	all maturity st	all shell condi	90.9396293	1	7.89580421
	1991	male	all maturity st	all shell condi	346.743267	1	2.88002806
	1992	male	all maturity st	all shell condi	76.7175211	1	13.7431027
	1993	male	all maturity st	all shell condi	204.976507	1	6.90720874

	1994	male	all maturity st	all shell condi	118.64928	1	13.6380704
	1995	male	all maturity st	all shell condi	105.002064	1	0.51067839
	1996	male	all maturity st	all shell condi	140.310491	1	1.53954593
	2005	male	all maturity st	all shell condi	15.6245757	1	1.36868163
	2006	male	all maturity st	all shell condi	190.723242	1	0.72661026
	2007	male	all maturity st	all shell condi	777.076788	1	0.96414622
	2008	male	all maturity st	all shell condi	444.998686	1	0.69611545
	2009	male	all maturity st	all shell condi	87.1174307	1	0.91975189
	2013	male	all maturity st	all shell condi	488.889219	1	0.48472922
	2014	male	all maturity st	all shell condi	367.493689	1	2.3903408
	2015	male	all maturity st	all shell condi	259.896587	1	5.76447876
all		male	all maturity st	all shell condi	0.21944093	20	0.31300309
all		female	all maturity st	all shell condi	0.50059537	20	1.6288722
	1991	male	all maturity st	all shell condi	422.046054	1	3.48639771
	1991	female	all maturity st	all shell condi	469.783611	1	1.03607355
	1992	male	all maturity st	all shell condi	128.895266	1	18.4803788
	1992	female	all maturity st	all shell condi	786.487648	1	0.41779112
	1993	male	all maturity st	all shell condi	103.010346	1	18.1318039
	1993	female	all maturity st	all shell condi	350.488735	1	0.72336981
	1994	male	all maturity st	all shell condi	97.3799079	1	4.29187634
	1994	female	all maturity st	all shell condi	74.8369669	1	1.2876332
	1995	male	all maturity st	all shell condi	411.575219	1	0.82772225
	1995	female	all maturity st	all shell condi	127.859767	1	0.8404782
	1996	male	all maturity st	all shell condi	32.6536913	1	1.32765794
	1996	female	all maturity st	all shell condi	151.454187	1	0.07088944
	2005	male	all maturity st	all shell condi	124.453745	1	13.0457338
	2005	female	all maturity st	all shell condi	42.6208514	1	0.96321955
	2006	male	all maturity st	all shell condi	399.668866	1	4.10241913
	2006	female	all maturity st	all shell condi	293.225453	1	0.85431508
	2007	male	all maturity st	all shell condi	595.702336	1	4.43388399
	2007	female	all maturity st	all shell condi	327.353385	1	0.35799454
	2008	male	all maturity st	all shell condi	719.396694	1	4.10486091
	2008	female	all maturity st	all shell condi	44.1841342	1	0.33774201
	2009	male	all maturity st	all shell condi	191.426581	1	6.26209726
	2009	female	all maturity st	all shell condi	23.6937001	1	0.17828669
	2013	male	all maturity st	all shell condi	3398.20309	1	1.03489265
	2013	female	all maturity st	all shell condi	67.7065691	1	0.49649287
	2014	male	all maturity st	all shell condi	296.682061	1	8.88106472
	2014	female	all maturity st	all shell condi	151.897144	1	0.26381598
	2015	male	all maturity st	all shell condi	167.64677	1	11.6542606
	2015	female	all maturity st	all shell condi	75.9894834	1	1.19343353

all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.03950022	20	0.01950335
all		female	all maturity st	all shell condi	0.30192592	20	1.13949075
	1992	male	all maturity st	all shell condi	149.479915	1	2.8450185
	1992	female	all maturity st	all shell condi	18.6863902	1	1.01660651
	1993	male	all maturity st	all shell condi	290.957856	1	0.83662638
	1993	female	all maturity st	all shell condi	30.4437589	1	1.2949472
	1994	male	all maturity st	all shell condi	191.784049	1	0.55557324
	1994	female	all maturity st	all shell condi	40.3633737	1	1.8992524
	1995	male	all maturity st	all shell condi	190.403035	1	0.36446013
	1995	female	all maturity st	all shell condi	40.5312727	1	0.30955945
	1996	male	all maturity st	all shell condi	48.3792655	1	4.30592213
	1996	female	all maturity st	all shell condi	42.3783833	1	0.49257748
	1997	male	all maturity st	all shell condi	418.443098	1	0.98751381
	1997	female	all maturity st	all shell condi	117.706129	1	0.18882549
	1998	male	all maturity st	all shell condi	320.512281	1	0.3756341
	1998	female	all maturity st	all shell condi	19.7465108	1	0.35162947
	1999	male	all maturity st	all shell condi	150.241045	1	0.3423971
	1999	female	all maturity st	all shell condi	30.3832193	1	0.06662803
	2000	male	all maturity st	all shell condi	209.098303	1	0.316314
	2000	female	all maturity st	all shell condi	35.6135489	1	0.08468656
	2001	male	all maturity st	all shell condi	604.185677	1	0.27689296
	2001	female	all maturity st	all shell condi	153.570036	1	0.05089326
	2002	male	all maturity st	all shell condi	64.3985274	1	0.75172252
	2002	female	all maturity st	all shell condi	45.4823733	1	0.06895571
	2003	male	all maturity st	all shell condi	116.757261	1	0.37502374
	2003	female	all maturity st	all shell condi	44.1484801	1	0.10388291
	2004	male	all maturity st	all shell condi	24.3778615	1	1.7816276
	2004	female	all maturity st	all shell condi	31.2237647	1	0.85039087
	2005	male	all maturity st	all shell condi	110.123921	1	4.87367252
	2005	female	all maturity st	all shell condi	125.24486	1	0.14130763
	2006	male	all maturity st	all shell condi	74.3667493	1	6.06944788
	2006	female	all maturity st	all shell condi	40.1363883	1	1.17924072
	2007	male	all maturity st	all shell condi	310.241668	1	2.52564067
	2007	female	all maturity st	all shell condi	40.3819535	1	0.44434097
	2008	male	all maturity st	all shell condi	86.9201009	1	7.44016259
	2008	female	all maturity st	all shell condi	16.0405222	1	2.1437244
	2009	male	all maturity st	all shell condi	442.38264	1	2.01539724
	2009	female	all maturity st	all shell condi	26.0600797	1	0.81805469
	2010	male	all maturity st	all shell condi	310.815366	1	1.50522065

	2010	female	all maturity st	all shell condi	90.3578254	1	0.16109597
	2011	male	all maturity st	all shell condi	181.581736	1	3.69205877
	2011	female	all maturity st	all shell condi	58.1010545	1	0.15793899
	2012	male	all maturity st	all shell condi	138.180349	1	3.48050908
	2012	female	all maturity st	all shell condi	54.1591983	1	0.15014084
	2013	male	all maturity st	all shell condi	295.849667	1	2.2543291
	2013	female	all maturity st	all shell condi	153.679351	1	0.10050386
	2014	male	all maturity st	all shell condi	375.908116	1	3.4913106
	2014	female	all maturity st	all shell condi	79.2792494	1	0.38072283
	2015	male	all maturity st	all shell condi	504.675469	1	1.93421344
	2015	female	all maturity st	all shell condi	89.9359311	1	0.10678171
	2016	male	all maturity st	all shell condi	359.354076	1	2.87960629
	2016	female	all maturity st	all shell condi	92.3640556	1	0.1079972
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.03100775	20	0.02115258
	1973	male	all maturity st	all shell condi	370.473996	1	-1.983263
	1973	female	all maturity st	all shell condi	369.70072	1	3.99058279
	1974	male	all maturity st	all shell condi	170.206838	1	0.01527464
	1974	female	all maturity st	all shell condi	275.471065	1	2.60486052
	1975	male	all maturity st	all shell condi	156.273713	1	0.08769287
	1975	female	all maturity st	all shell condi	234.949129	1	1.7334168
	1976	male	all maturity st	all shell condi	88.4335546	1	-1.6177509
	1976	female	all maturity st	all shell condi	111.764993	1	21.4990323
	1977	male	all maturity st	all shell condi	135.288614	1	0.85122035
	1977	female	all maturity st	all shell condi	162.490646	1	17.0475529
	1978	male	all maturity st	all shell condi	158.28699	1	2.79694169
	1978	female	all maturity st	all shell condi	151.335618	1	24.1660893
	1979	male	all maturity st	all shell condi	476.533652	1	-1.421648
	1979	female	all maturity st	all shell condi	390.282082	1	10.3952759
	1980	male	all maturity st	all shell condi	813.750822	1	5.36334531
	1980	female	all maturity st	all shell condi	812.589077	1	-0.6736474
	1981	male	all maturity st	all shell condi	963.307463	1	-3.7098251
	1981	female	all maturity st	all shell condi	76.8776415	1	10.576954
	1982	male	all maturity st	all shell condi	724.895651	1	1.72391036
	1982	female	all maturity st	all shell condi	93.1414262	1	15.1759688
	1983	male	all maturity st	all shell condi	436.192252	1	22.2983404
	1983	female	all maturity st	all shell condi	315.757231	1	-7.2844398
	1984	male	all maturity st	all shell condi	539.457569	1	23.701229
	1984	female	all maturity st	all shell condi	547.776206	1	-10.680363
	1985	male	all maturity st	all shell condi	216.698274	1	18.1108734
	1985	female	all maturity st	all shell condi	316.171852	1	-1.6826856

1986	male	all maturity st	all shell condi	220.771279	1	12.6912527
1986	female	all maturity st	all shell condi	119.77217	1	3.87804295
1987	male	all maturity st	all shell condi	200.331051	1	20.0621223
1987	female	all maturity st	all shell condi	835.989473	1	3.63965943
1988	male	all maturity st	all shell condi	239.575653	1	5.78135098
1988	female	all maturity st	all shell condi	220.347719	1	9.58656069
1989	male	all maturity st	all shell condi	425.979465	1	-2.2143997
1989	female	all maturity st	all shell condi	832.058348	1	15.571072
1990	male	all maturity st	all shell condi	793.875666	1	16.0030628
1990	female	all maturity st	all shell condi	303.44893	1	-7.0417755
1991	male	all maturity st	all shell condi	304.652847	1	1.41992849
1991	female	all maturity st	all shell condi	176.424251	1	6.24526385
1992	male	all maturity st	all shell condi	193.372244	1	5.11998284
1992	female	all maturity st	all shell condi	65.5266798	1	2.30684763
1993	male	all maturity st	all shell condi	70.3121657	1	4.09562425
1993	female	all maturity st	all shell condi	97.401933	1	-0.6120517
1994	male	all maturity st	all shell condi	222.649545	1	3.6592601
1994	female	all maturity st	all shell condi	397.559361	1	0.22938536
1995	male	all maturity st	all shell condi	69.2880003	1	10.074306
1995	female	all maturity st	all shell condi	70.0137934	1	2.90237237
1996	male	all maturity st	all shell condi	190.267057	1	13.1682825
1996	female	all maturity st	all shell condi	340.619606	1	-4.6040568
1997	male	all maturity st	all shell condi	56.6961516	1	18.6089495
1997	female	all maturity st	all shell condi	170.963797	1	5.34072137
1998	male	all maturity st	all shell condi	140.523067	1	7.08371664
1998	female	all maturity st	all shell condi	252.808459	1	7.66700112
1999	male	all maturity st	all shell condi	343.652458	1	5.18399243
1999	female	all maturity st	all shell condi	742.769348	1	2.89050277
2000	male	all maturity st	all shell condi	279.745019	1	7.21100897
2000	female	all maturity st	all shell condi	466.626517	1	1.048934
2001	male	all maturity st	all shell condi	567.952299	1	9.30711998
2001	female	all maturity st	all shell condi	1201.28435	1	-3.4464801
2002	male	all maturity st	all shell condi	424.618416	1	10.4461188
2002	female	all maturity st	all shell condi	748.818503	1	0.0727255
2003	male	all maturity st	all shell condi	209.08262	1	3.98523681
2003	female	all maturity st	all shell condi	308.050046	1	4.7074431
2004	male	all maturity st	all shell condi	107.878613	1	-2.4291262
2004	female	all maturity st	all shell condi	31.5809425	1	39.6671406
2005	male	all maturity st	all shell condi	1343.20551	1	4.15792969
2005	female	all maturity st	all shell condi	1564.81521	1	1.00173858
2006	male	all maturity st	all shell condi	180.081873	1	13.0518617

	2006	female	all maturity st	all shell condi	182.239041	1	2.41115034
	2007	male	all maturity st	all shell condi	174.02199	1	10.4216573
	2007	female	all maturity st	all shell condi	106.384921	1	7.8998046
	2008	male	all maturity st	all shell condi	162.091735	1	27.1423576
	2008	female	all maturity st	all shell condi	211.809437	1	-9.2889867
	2009	male	all maturity st	all shell condi	286.556157	1	14.2126245
	2009	female	all maturity st	all shell condi	519.855189	1	-7.2709658
	2010	male	all maturity st	all shell condi	474.582151	1	6.63282508
	2010	female	all maturity st	all shell condi	1361.47187	1	-2.7779858
	2011	male	all maturity st	all shell condi	88.4778582	1	10.1471208
	2011	female	all maturity st	all shell condi	69.5551306	1	20.9747214
	2012	male	all maturity st	all shell condi	266.876819	1	-6.8403062
	2012	female	all maturity st	all shell condi	122.392922	1	13.8134377
	2013	male	all maturity st	all shell condi	239.874476	1	1.73778164
	2013	female	all maturity st	all shell condi	689.274411	1	9.6393699
	2014	male	all maturity st	all shell condi	1001.92928	1	9.97032322
	2014	female	all maturity st	all shell condi	749.084227	1	-6.0968082
	2015	male	all maturity st	all shell condi	204.665874	1	16.1748525
	2015	female	all maturity st	all shell condi	299.987051	1	0.46673442
	2016	male	all maturity st	all shell condi	192.655121	1	-3.1390492
	2016	female	all maturity st	all shell condi	53.6377606	1	25.4995498
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.0341243	20	0.01339138
all		female	all maturity st	all shell condi	0.00905596	20	0.00094312
	1992	male	all maturity st	all shell condi	74.8512145	1	1.58372519
	1992	female	all maturity st	all shell condi	77.1586425	1	0.13041166
	1993	male	all maturity st	all shell condi	137.749101	1	2.38100613
	1993	female	all maturity st	all shell condi	373.290409	1	0.23608363
	1996	male	all maturity st	all shell condi	64.7034133	1	0.11448085
	1996	female	all maturity st	all shell condi	3.5358113	1	0.03158801
	1997	male	all maturity st	all shell condi	16.1685773	1	3.12423955
	1997	female	all maturity st	all shell condi	29.8784465	1	0.05378346
	1998	male	all maturity st	all shell condi	43.4865973	1	0.49911584
	1998	female	all maturity st	all shell condi	21.6420644	1	0.07077265
	1999	male	all maturity st	all shell condi	58.9369455	1	0.23494398
	1999	female	all maturity st	all shell condi	19.1609617	1	0.02541531
	2000	male	all maturity st	all shell condi	188.609151	1	0.54663732
	2000	female	all maturity st	all shell condi	43.1235234	1	0.05890187
	2001	male	all maturity st	all shell condi	113.497312	1	0.27300622
	2001	female	all maturity st	all shell condi	55.1081749	1	0.03617731

2002	male	all maturity st	all shell condi	104.688843	1	0.44325799
2002	female	all maturity st	all shell condi	35.2907344	1	0.05021793
2003	male	all maturity st	all shell condi	89.6799179	1	0.44976364
2003	female	all maturity st	all shell condi	51.4883947	1	0.09317796
2004	male	all maturity st	all shell condi	42.28258	1	0.61598601
2004	female	all maturity st	all shell condi	20.8664177	1	0.05789551
2005	male	all maturity st	all shell condi	55.0327051	1	1.34497123
2005	female	all maturity st	all shell condi	13.5446523	1	0.16380316
2006	male	all maturity st	all shell condi	25.596733	1	1.8284277
2006	female	all maturity st	all shell condi	26.7130613	1	0.25231079
2007	male	all maturity st	all shell condi	122.020439	1	0.88250506
2007	female	all maturity st	all shell condi	101.829845	1	0.08866416
2008	male	all maturity st	all shell condi	52.260197	1	3.46168212
2008	female	all maturity st	all shell condi	106.763076	1	0.11206465
2009	male	all maturity st	all shell condi	20.6025339	1	7.50728796
2009	female	all maturity st	all shell condi	127.008694	1	0.04731036
2010	male	all maturity st	all shell condi	57.511789	1	0.72697894
2010	female	all maturity st	all shell condi	35.7582683	1	0.04550672
2011	male	all maturity st	all shell condi	83.666874	1	0.28768925
2011	female	all maturity st	all shell condi	5.47743692	1	0.02126188
2012	male	all maturity st	all shell condi	93.0141241	1	0.50352859
2012	female	all maturity st	all shell condi	6.66652457	1	0.22254976
2013	male	all maturity st	all shell condi	62.0175798	1	1.75848078
2013	female	all maturity st	all shell condi	9.76303915	1	0.17619595
2014	male	all maturity st	all shell condi	149.925977	1	1.3313602
2014	female	all maturity st	all shell condi	21.5932039	1	0.07199613
2015	male	all maturity st	all shell condi	276.135263	1	0.58627729
2015	female	all maturity st	all shell condi	99.6106103	1	0.07492717
2016	male	all maturity st	all shell condi	26.7793269	1	6.45687411
2016	female	all maturity st	all shell condi	19.9046009	1	0.51209453
2015	male	immature	new shell	0.57161121	1	94.4498299
2016	male	immature	new shell	0.57161121	1	105.769181
2015	female	immature	new shell	0.38604243	1	73.4321905
2016	female	immature	new shell	0.38604243	1	65.5079252
1994	male	immature	new shell	0.58934723	0	12.9699288
1995	male	immature	new shell	0.58934723	0	30.5129215
1996	male	immature	new shell	0.58934723	0	354.642204
1997	male	immature	new shell	0.58934723	0	463.185923
1998	male	immature	new shell	0.58934723	0	477.136009
1999	male	immature	new shell	0.58934723	0	438.649571
2000	male	immature	new shell	0.58934723	0	726.419351

2001	male	immature	new shell	0.58934723	0	846.842574
2002	male	immature	new shell	0.58934723	0	745.522354
2003	male	immature	new shell	0.58934723	0	252.498355
2004	male	immature	new shell	0.58934723	0	169.293841
2005	male	immature	new shell	0.58934723	0	86.3926016
2006	male	immature	new shell	0.58934723	0	10.2059333
2011	male	immature	new shell	0.58934723	0	2.07209017
2012	male	immature	new shell	0.58934723	0	2.8383696
1994	female	immature	new shell	0.48993015	0	15.5012544
1995	female	immature	new shell	0.48993015	0	15.3516277
1996	female	immature	new shell	0.48993015	0	215.252974
1997	female	immature	new shell	0.48993015	0	166.442832
1998	female	immature	new shell	0.48993015	0	235.706073
1999	female	immature	new shell	0.48993015	0	310.947479
2000	female	immature	new shell	0.48993015	0	581.136971
2001	female	immature	new shell	0.48993015	0	548.923265
2002	female	immature	new shell	0.48993015	0	321.642668
2003	female	immature	new shell	0.48993015	0	91.0932472
2004	female	immature	new shell	0.48993015	0	95.837389
2005	female	immature	new shell	0.48993015	0	23.5233159
2006	female	immature	new shell	0.48993015	0	7.16073661
2012	female	immature	new shell	0.48993015	0	2.29140287
1990	male		new shell	5.74213184	1	61.6815399
1991	male		new shell	5.74213184	1	61.5961609
1992	male		new shell	5.74213184	1	18.5843431
1993	male		new shell	5.74213184	1	32.1694885
1994	male		new shell	5.74213184	1	23.7707757
1995	male		new shell	5.74213184	1	14.6227193
1997	male		new shell	5.74213184	1	9.07085292
1998	male		new shell	5.74213184	1	28.6189867
1999	male		new shell	5.74213184	1	10.7037882
2000	male		new shell	5.74213184	1	23.0828904
2001	male		new shell	5.74213184	1	28.1421257
2002	male		new shell	5.74213184	1	22.1021543
2003	male		new shell	5.74213184	1	14.651076
2004	male		new shell	5.74213184	1	19.6809139
2005	male		new shell	5.74213184	1	70.9991989
2008	male		new shell	5.74213184	1	59.8813795
2010	male		new shell	5.74213184	1	75.4299117
2012	male		new shell	5.74213184	1	15.3268409
2014	male		new shell	5.74213184	1	27.4526337

	2016	male		new shell	5.74213184	1	38.7693577
	2017	male		new shell	5.74213184	1	19.8818126
all		male	immature	new shell	0.09975135	1	2666.12039
all		male	mature	new shell	0.09975135	1	2666.12039
all		male	immature	old shell	0.09975135	1	2666.12039
all		male	mature	old shell	0.09975135	1	2666.12039
all		female	immature	new shell	0.09975135	1	2666.12039
all		female	mature	new shell	0.09975135	1	2666.12039
all		female	immature	old shell	0.09975135	1	2666.12039
all		female	mature	old shell	0.09975135	1	2666.12039
all		male	immature	new shell	0.09975135	1	35506.9727
all		male	mature	new shell	0.09975135	1	35506.9727
all		male	immature	old shell	0.09975135	1	35506.9727
all		male	mature	old shell	0.09975135	1	35506.9727
all		female	immature	new shell	0.09975135	1	35506.9727
all		female	mature	new shell	0.09975135	1	35506.9727
all		female	immature	old shell	0.09975135	1	35506.9727
all		female	mature	old shell	0.09975135	1	35506.9727
all		male	immature	all shell condi	2.63527822	0	149.310863
all		male	mature	all shell condi	2.07858254	0	92.8908659
all		female	immature	all shell condi	2.52372908	0	136.937982
all		female	mature	all shell condi	2.12993212	0	97.5371327
all		male	mature	all shell condi	2.00278726	0	86.2398715
all		female	mature	all shell condi	2.07858256	0	92.8908669
	1975	male	immature	all shell condi	746.591743	0	5.00430619
	1975	male	mature	all shell condi	72.2458533	0	52.4636769
	1975	female	immature	all shell condi	222.086271	0	3.70619891
	1975	female	mature	all shell condi	102.251563	0	-13.0674
	1976	male	immature	all shell condi	405.571645	0	11.2961243
	1976	male	mature	all shell condi	226.600903	0	2.51675048
	1976	female	immature	all shell condi	95.8877871	0	20.8440326
	1976	female	mature	all shell condi	161.936414	0	-9.6087486
	1977	male	immature	all shell condi	150.887567	0	9.00472899
	1977	male	mature	all shell condi	196.512385	0	-8.4364747
	1977	female	immature	all shell condi	28.395471	0	50.8352475
	1977	female	mature	all shell condi	385.790703	0	-7.7997941
	1978	male	immature	all shell condi	338.091602	0	1.84609191
	1978	male	mature	all shell condi	347.685713	0	1.23786653
	1978	female	immature	all shell condi	58.2107809	0	23.8471991
	1978	female	mature	all shell condi	1016.46586	0	-4.7811908
	1979	male	immature	all shell condi	119.555584	0	18.4617135

1979	male	mature	all shell condi	281.641427	0	-7.0340105
1979	female	immature	all shell condi	329.700617	0	-2.4511131
1979	female	mature	all shell condi	76.4482789	0	22.0667376
1980	male	immature	all shell condi	77.1645923	0	32.7720181
1980	male	mature	all shell condi	142.137833	0	-12.047637
1980	female	immature	all shell condi	775.772973	0	2.93415169
1980	female	mature	all shell condi	46.5963509	0	18.6070741
1981	male	immature	all shell condi	461.544393	0	7.85574795
1981	male	mature	all shell condi	254.299538	0	-11.987168
1981	female	immature	all shell condi	182.947932	0	-4.3058371
1981	female	mature	all shell condi	22.5479048	0	64.0151098
1982	male	immature	all shell condi	198.66485	0	-13.709697
1982	male	mature	all shell condi	203.960149	0	-14.064169
1982	female	immature	all shell condi	157.518869	0	-6.5860367
1982	female	mature	all shell condi	6.44211118	0	144.211199
1983	male	immature	all shell condi	114.378624	0	11.7451111
1983	male	mature	all shell condi	269.55615	0	-7.451726
1983	female	immature	all shell condi	97.4414778	0	16.1763199
1983	female	mature	all shell condi	114.080871	0	17.3327526
1984	male	immature	all shell condi	260.479039	0	-10.949806
1984	male	mature	all shell condi	269.439948	0	11.6977092
1984	female	immature	all shell condi	135.532793	0	-1.9620183
1984	female	mature	all shell condi	78.2689135	0	28.785748
1985	male	immature	all shell condi	152.153567	0	-18.947899
1985	male	mature	all shell condi	75.7203143	0	35.2661505
1985	female	immature	all shell condi	87.901017	0	-18.460592
1985	female	mature	all shell condi	42.7731113	0	44.440127
1986	male	immature	all shell condi	173.894372	0	6.52612972
1986	male	mature	all shell condi	71.7136713	0	29.2754065
1986	female	immature	all shell condi	62.02667	0	-5.4561902
1986	female	mature	all shell condi	248.786358	0	4.10601589
1987	male	immature	all shell condi	94.2488215	0	7.3354788
1987	male	mature	all shell condi	487.854542	0	10.3955045
1987	female	immature	all shell condi	36.2211563	0	60.2271822
1987	female	mature	all shell condi	412.256709	0	-2.4017102
1988	male	immature	all shell condi	202.728352	0	-1.7534379
1988	male	mature	all shell condi	179.676211	0	20.6859895
1988	female	immature	all shell condi	100.834561	0	-9.7067823
1988	female	mature	all shell condi	59.3619655	0	28.3058869
1989	male	immature	all shell condi	347.44403	0	-3.2031834
1989	male	mature	all shell condi	349.224563	0	13.1167488

1989	female	immature	all shell condi	217.953106	0	4.84229519
1989	female	mature	all shell condi	319.233608	0	0.61769997
1990	male	immature	all shell condi	447.656707	0	-9.9278649
1990	male	mature	all shell condi	765.005273	0	2.62403225
1990	female	immature	all shell condi	295.028602	0	1.58804473
1990	female	mature	all shell condi	143.579571	0	21.5191232
1991	male	immature	all shell condi	218.843783	0	-0.0192977
1991	male	mature	all shell condi	825.012963	0	-3.7071605
1991	female	immature	all shell condi	133.848998	0	6.69980545
1991	female	mature	all shell condi	330.64054	0	16.9033427
1992	male	immature	all shell condi	506.046062	0	5.81097713
1992	male	mature	all shell condi	346.538156	0	2.75771741
1992	female	immature	all shell condi	298.461456	0	3.81826809
1992	female	mature	all shell condi	3592.02709	0	1.72321239
1993	male	immature	all shell condi	474.64035	0	15.2942524
1993	male	mature	all shell condi	556.590455	0	2.16319588
1993	female	immature	all shell condi	513.933832	0	4.52093465
1993	female	mature	all shell condi	351.286706	0	-11.884683
1994	male	immature	all shell condi	283.784222	0	10.1756487
1994	male	mature	all shell condi	815.256798	0	-4.4282625
1994	female	immature	all shell condi	75.0115349	0	19.7187674
1994	female	mature	all shell condi	624.579313	0	-9.6988428
1995	male	immature	all shell condi	336.312398	0	-5.9039564
1995	male	mature	all shell condi	584.582628	0	1.2425967
1995	female	immature	all shell condi	312.491726	0	-3.6866152
1995	female	mature	all shell condi	121.869912	0	25.455907
1996	male	immature	all shell condi	447.391262	0	-5.6383786
1996	male	mature	all shell condi	608.361121	0	6.97877614
1996	female	immature	all shell condi	228.940674	0	-3.6038965
1996	female	mature	all shell condi	216.174593	0	16.2306214
1997	male	immature	all shell condi	305.383749	0	3.07519207
1997	male	mature	all shell condi	2189.1705	0	-2.9405383
1997	female	immature	all shell condi	99.3773434	0	18.9815565
1997	female	mature	all shell condi	880.284335	0	-5.7696147
1998	male	immature	all shell condi	130.839674	0	14.8817202
1998	male	mature	all shell condi	2067.5211	0	-1.5113168
1998	female	immature	all shell condi	214.713396	0	17.9532818
1998	female	mature	all shell condi	184.70067	0	-10.041007
1999	male	immature	all shell condi	160.673559	0	10.9462038
1999	male	mature	all shell condi	885.218014	0	2.37197885
1999	female	immature	all shell condi	204.301652	0	9.07883593

1999	female	mature	all shell condi	457.661397	0	-4.9769974
2000	male	immature	all shell condi	153.506831	0	6.53587068
2000	male	mature	all shell condi	1427.35654	0	5.13468996
2000	female	immature	all shell condi	249.44533	0	3.61162921
2000	female	mature	all shell condi	417.688962	0	-1.9841831
2001	male	immature	all shell condi	226.922856	0	12.0237993
2001	male	mature	all shell condi	895.449428	0	-4.5890488
2001	female	immature	all shell condi	257.80027	0	14.5986949
2001	female	mature	all shell condi	402.037291	0	-5.1091678
2002	male	immature	all shell condi	134.51791	0	8.05432121
2002	male	mature	all shell condi	1670.04775	0	-2.0801495
2002	female	immature	all shell condi	93.8140742	0	19.9944461
2002	female	mature	all shell condi	876.159978	0	-3.9531538
2003	male	immature	all shell condi	320.01487	0	4.68576745
2003	male	mature	all shell condi	1942.61227	0	1.32742714
2003	female	immature	all shell condi	229.292672	0	-1.600712
2003	female	mature	all shell condi	255.517215	0	9.53220526
2004	male	immature	all shell condi	205.028439	0	2.31311172
2004	male	mature	all shell condi	484.187969	0	12.2335435
2004	female	immature	all shell condi	174.201281	0	12.7802757
2004	female	mature	all shell condi	310.427542	0	-4.5080842
2005	male	immature	all shell condi	336.629875	0	-0.186681
2005	male	mature	all shell condi	1564.20365	0	-4.0770752
2005	female	immature	all shell condi	193.147772	0	20.9189463
2005	female	mature	all shell condi	1850.51247	0	-2.3385225
2006	male	immature	all shell condi	441.682478	0	6.49817959
2006	male	mature	all shell condi	1021.79398	0	2.57627895
2006	female	immature	all shell condi	178.816011	0	12.5186272
2006	female	mature	all shell condi	723.313304	0	-5.0641922
2007	male	immature	all shell condi	279.871791	0	21.7624468
2007	male	mature	all shell condi	618.452556	0	3.8703908
2007	female	immature	all shell condi	1136.3438	0	1.94603914
2007	female	mature	all shell condi	196.474969	0	-10.997804
2008	male	immature	all shell condi	801.702873	0	10.1203905
2008	male	mature	all shell condi	788.967126	0	2.02384048
2008	female	immature	all shell condi	539.506735	0	4.48211768
2008	female	mature	all shell condi	623.525113	0	-6.8874568
2009	male	immature	all shell condi	195.436113	0	5.0731739
2009	male	mature	all shell condi	570.36241	0	5.29187978
2009	female	immature	all shell condi	95.8078116	0	5.11168985
2009	female	mature	all shell condi	1651.96433	0	1.54692172

	2010	male	immature	all shell condi	422.205167	0	-0.9032245
	2010	male	mature	all shell condi	334.163402	0	14.9541415
	2010	female	immature	all shell condi	205.876919	0	-2.5305474
	2010	female	mature	all shell condi	11918.064	0	-1.0087062
	2011	male	immature	all shell condi	603.463059	0	3.83332555
	2011	male	mature	all shell condi	1680.73968	0	4.47358442
	2011	female	immature	all shell condi	245.208881	0	7.61934027
	2011	female	mature	all shell condi	446.209894	0	-4.6597388
	2012	male	immature	all shell condi	414.394244	0	9.86361604
	2012	male	mature	all shell condi	1243.63014	0	3.74275922
	2012	female	immature	all shell condi	189.225344	0	2.04895283
	2012	female	mature	all shell condi	756.099033	0	-1.8517532
	2013	male	immature	all shell condi	847.917321	0	4.37139111
	2013	male	mature	all shell condi	326.224172	0	8.03210255
	2013	female	immature	all shell condi	512.383598	0	-0.0206917
	2013	female	mature	all shell condi	1777.15119	0	-0.9183992
	2014	male	immature	all shell condi	403.900055	0	10.9248804
	2014	male	mature	all shell condi	509.031989	0	4.57648
	2014	female	immature	all shell condi	103.683845	0	14.5275126
	2014	female	mature	all shell condi	439.305326	0	-8.1004597
	2015	male	immature	all shell condi	1058.79213	0	5.53692293
	2015	male	mature	all shell condi	643.057206	0	3.12759676
	2015	female	immature	all shell condi	616.808915	0	2.90357946
	2015	female	mature	all shell condi	333.761091	0	0.69894325
	2016	male	immature	all shell condi	470.22174	0	6.20769725
	2016	male	mature	all shell condi	172.762166	0	22.5901825
	2016	female	immature	all shell condi	404.298513	0	0.99660267
	2016	female	mature	all shell condi	265.924392	0	-7.0377968
	2017	male	immature	all shell condi	99.1595061	0	-0.4550234
	2017	male	mature	all shell condi	148.532664	0	24.521627
	2017	female	immature	all shell condi	74.0944119	0	6.64536409
	2017	female	mature	all shell condi	533.710908	0	1.01236804
all		male	all maturity st	new shell	2.66669231	1	152.89183
all		male	all maturity st	old shell	3.42630166	1	252.400177
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
all		male	all maturity st	new shell	2.41980604	1	125.892418
all		male	all maturity st	old shell	2.71173169	1	158.100008
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
	1975	male	all maturity st	new shell	61.6283287	1	31.0919785

1975	male	all maturity st	old shell	28.5871329	1	39.2161413
1976	male	all maturity st	new shell	203.18655	1	8.02250542
1976	male	all maturity st	old shell	19.2689655	1	61.4564454
1977	male	all maturity st	new shell	79.1146875	1	15.3001989
1977	male	all maturity st	old shell	69.1641529	1	20.604017
1978	male	all maturity st	new shell	143.711521	1	9.39287132
1978	male	all maturity st	old shell	50.7260959	1	25.1189408
1979	male	all maturity st	new shell	68.650422	1	13.4758034
1979	male	all maturity st	old shell	36.6159514	1	34.3670928
1980	male	all maturity st	new shell	48.3928902	1	19.1525016
1980	male	all maturity st	old shell	35.5460058	1	34.460177
1981	male	all maturity st	new shell	64.1667974	1	18.2511535
1981	male	all maturity st	old shell	34.6186436	1	27.3864711
1982	male	all maturity st	new shell	71.2026763	1	17.5319549
1982	male	all maturity st	old shell	239.80517	1	5.77588369
1983	male	all maturity st	new shell	39.1366639	1	26.154807
1983	male	all maturity st	old shell	64.1047928	1	18.1758108
1984	male	all maturity st	new shell	81.1884066	1	7.93647995
1984	male	all maturity st	old shell	44.6070055	1	23.956408
1985	male	all maturity st	new shell	95.863432	1	12.342837
1985	male	all maturity st	old shell	43.2235925	1	27.9380826
1986	male	all maturity st	new shell	55.6979573	1	16.2991965
1986	male	all maturity st	old shell	84.8598155	1	12.7811227
1987	male	all maturity st	new shell	39.2347532	1	20.2339538
1987	male	all maturity st	old shell	188.352002	1	9.78521539
1988	male	all maturity st	new shell	63.8636322	1	18.0711945
1988	male	all maturity st	old shell	200.003238	1	10.5142006
1989	male	all maturity st	new shell	133.206411	1	10.822036
1989	male	all maturity st	old shell	377.477175	1	7.06042905
1990	male	all maturity st	new shell	287.118997	1	5.21402804
1990	male	all maturity st	old shell	145.764379	1	9.55635842
1991	male	all maturity st	new shell	131.92468	1	9.52062833
1991	male	all maturity st	old shell	137.112617	1	11.3076794
1992	male	all maturity st	new shell	184.605204	1	7.08753328
1992	male	all maturity st	old shell	73.8147984	1	13.6288391
1993	male	all maturity st	new shell	444.426663	1	3.00435523
1993	male	all maturity st	old shell	153.012145	1	6.13978039
1994	male	all maturity st	new shell	176.05662	1	5.83047282
1994	male	all maturity st	old shell	142.956205	1	6.96851149
1995	male	all maturity st	new shell	97.6808744	1	9.63158473
1995	male	all maturity st	old shell	122.681189	1	8.7420506

1996	male	all maturity st	new shell	127.240149	1	10.9316039
1996	male	all maturity st	old shell	103.294968	1	8.66207843
1997	male	all maturity st	new shell	120.127138	1	8.18179411
1997	male	all maturity st	old shell	375.068369	1	5.52938023
1998	male	all maturity st	new shell	76.1386211	1	10.5826658
1998	male	all maturity st	old shell	258.80257	1	6.39324912
1999	male	all maturity st	new shell	89.7701994	1	9.10639587
1999	male	all maturity st	old shell	107.543771	1	11.6597859
2000	male	all maturity st	new shell	88.4442341	1	6.48989895
2000	male	all maturity st	old shell	150.415478	1	9.86081147
2001	male	all maturity st	new shell	111.786853	1	9.39109062
2001	male	all maturity st	old shell	265.223916	1	7.94290981
2002	male	all maturity st	new shell	50.1918836	1	15.4778149
2002	male	all maturity st	old shell	375.812732	1	4.73449966
2003	male	all maturity st	new shell	136.240831	1	8.11997579
2003	male	all maturity st	old shell	306.531882	1	6.54037618
2004	male	all maturity st	new shell	94.0730277	1	9.65914954
2004	male	all maturity st	old shell	57.3176166	1	37.905088
2005	male	all maturity st	new shell	141.756869	1	7.56188728
2005	male	all maturity st	old shell	449.647872	1	5.9078598
2006	male	all maturity st	new shell	141.091167	1	9.12976775
2006	male	all maturity st	old shell	342.948071	1	7.70655196
2007	male	all maturity st	new shell	276.040019	1	6.14814672
2007	male	all maturity st	old shell	219.561604	1	13.4264935
2008	male	all maturity st	new shell	452.658141	1	3.41262808
2008	male	all maturity st	old shell	135.784459	1	12.4006902
2009	male	all maturity st	new shell	67.647248	1	11.1124368
2009	male	all maturity st	old shell	113.21524	1	10.3325067
2010	male	all maturity st	new shell	87.8591713	1	12.3131237
2010	male	all maturity st	old shell	166.721849	1	8.05525069
2011	male	all maturity st	new shell	268.239985	1	2.68481287
2011	male	all maturity st	old shell	169.646543	1	8.59463938
2012	male	all maturity st	new shell	246.13589	1	3.43471149
2012	male	all maturity st	old shell	137.143305	1	9.26499195
2013	male	all maturity st	new shell	182.187041	1	6.87362477
2013	male	all maturity st	old shell	239.773075	1	9.85669371
2014	male	all maturity st	new shell	223.469123	1	6.9855182
2014	male	all maturity st	old shell	146.734913	1	8.6276427
2015	male	all maturity st	new shell	483.998864	1	4.96919696
2015	male	all maturity st	old shell	183.192933	1	7.48524988
2016	male	all maturity st	new shell	183.586248	1	9.08095542

	2016	male	all maturity st	old shell	109.800211	1	11.6295551
	2017	male	all maturity st	new shell	26.1870948	1	17.3361888
	2017	male	all maturity st	old shell	95.4892883	1	12.0159008
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.52372908	1	136.937982
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.21422934	1	105.410449
all		female	mature	old shell	2.48897166	1	133.192069
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.25928356	1	109.743787
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.17733863	1	101.927275
all		female	mature	old shell	2.34747849	1	118.479088
	1975	female	immature	new shell	24.0133128	1	18.3532075
	1975	female	mature	new shell	90.2012935	1	3.62367132
	1975	female	mature	old shell	11.3913019	1	21.9000191
	1976	female	immature	new shell	36.1853541	1	9.39625538
	1976	female	mature	new shell	206.995435	1	2.41724269
	1976	female	mature	old shell	12.3927406	1	22.6452864
	1977	female	immature	new shell	28.6680234	1	10.9378127
	1977	female	mature	new shell	399.863077	1	2.3963084
	1977	female	mature	old shell	43.1373693	1	7.89329158
	1978	female	immature	new shell	23.868883	1	11.7537284
	1978	female	mature	new shell	92.6599401	1	2.90074327
	1978	female	mature	old shell	90.1014179	1	3.635806
	1979	female	immature	new shell	37.8551523	1	6.05230785
	1979	female	mature	new shell	21.1682387	1	16.1634763
	1979	female	mature	old shell	48.7508957	1	6.30546218
	1980	female	immature	new shell	113.392859	1	3.05387567
	1980	female	mature	new shell	8.69817083	1	26.4751056
	1980	female	mature	old shell	42.0245609	1	5.87589043
	1981	female	immature	new shell	27.4504804	1	16.3914618
	1981	female	mature	new shell	7.62152376	1	43.1908101
	1981	female	mature	old shell	169.329692	1	4.41479175
	1982	female	immature	new shell	44.1651322	1	16.2908058

1982	female	mature	new shell	7.43520281	1	32.6139694
1982	female	mature	old shell	22.0541449	1	12.0440398
1983	female	immature	new shell	37.3857829	1	8.79745647
1983	female	mature	new shell	61.3573648	1	6.04309147
1983	female	mature	old shell	60.9062798	1	4.39054098
1984	female	immature	new shell	29.3145117	1	7.13955244
1984	female	mature	new shell	26.4789011	1	8.37231259
1984	female	mature	old shell	206.102842	1	2.02193003
1985	female	immature	new shell	86.3420777	1	5.1357409
1985	female	mature	new shell	13.8865233	1	33.8910538
1985	female	mature	old shell	222.135473	1	2.13761277
1986	female	immature	new shell	27.3576851	1	12.9365365
1986	female	mature	new shell	8.49239564	1	28.9061862
1986	female	mature	old shell	39.7756697	1	7.75634414
1987	female	immature	new shell	13.3490976	1	49.2403534
1987	female	mature	new shell	37.4194445	1	10.4038524
1987	female	mature	old shell	26.1600603	1	14.9145133
1988	female	immature	new shell	51.3642099	1	11.7559041
1988	female	mature	new shell	12.927297	1	27.485429
1988	female	mature	old shell	41.8975076	1	9.11129942
1989	female	immature	new shell	64.1394879	1	3.83633677
1989	female	mature	new shell	23.8786898	1	13.3584254
1989	female	mature	old shell	40.9510759	1	10.7381078
1990	female	immature	new shell	57.3686335	1	6.09494522
1990	female	mature	new shell	168.865687	1	2.23179912
1990	female	mature	old shell	36.1357864	1	10.9098355
1991	female	immature	new shell	18.3288494	1	16.3762241
1991	female	mature	new shell	93.7688739	1	2.98644091
1991	female	mature	old shell	154.590015	1	3.14270767
1992	female	immature	new shell	27.6780252	1	14.4767995
1992	female	mature	new shell	50.8750053	1	7.28782841
1992	female	mature	old shell	185.843742	1	2.26051486
1993	female	immature	new shell	62.8693736	1	7.17855851
1993	female	mature	new shell	21.6871113	1	12.687367
1993	female	mature	old shell	246.471789	1	1.31808229
1994	female	immature	new shell	28.2107567	1	10.7443061
1994	female	mature	new shell	33.4362385	1	10.9610408
1994	female	mature	old shell	494.562756	1	1.06371845
1995	female	immature	new shell	67.8146685	1	6.75367494
1995	female	mature	new shell	35.3523513	1	11.9933518
1995	female	mature	old shell	600.384542	1	0.58951255

1996	female	immature	new shell	58.6830236	1	8.43964035
1996	female	mature	new shell	31.4793204	1	9.73885722
1996	female	mature	old shell	286.808894	1	1.26954501
1997	female	immature	new shell	54.7719451	1	4.48057013
1997	female	mature	new shell	101.949483	1	3.38723426
1997	female	mature	old shell	218.779769	1	2.10430866
1998	female	immature	new shell	171.590418	1	2.0659814
1998	female	mature	new shell	66.3257917	1	6.06716229
1998	female	mature	old shell	259.185679	1	2.67517358
1999	female	immature	new shell	80.9250305	1	4.52908815
1999	female	mature	new shell	19.3482798	1	12.2819195
1999	female	mature	old shell	151.76985	1	2.58760922
2000	female	immature	new shell	75.5593862	1	3.08686841
2000	female	mature	new shell	65.3593271	1	4.27476954
2000	female	mature	old shell	34.230052	1	10.2202554
2001	female	immature	new shell	155.17696	1	2.27233347
2001	female	mature	new shell	150.141134	1	5.30659756
2001	female	mature	old shell	72.1455611	1	4.17924759
2002	female	immature	new shell	48.1926105	1	5.75119681
2002	female	mature	new shell	38.2534485	1	8.35606028
2002	female	mature	old shell	101.261438	1	2.86926327
2003	female	immature	new shell	65.869784	1	4.92251673
2003	female	mature	new shell	107.315519	1	3.41920301
2003	female	mature	old shell	41.6022328	1	10.0388334
2004	female	immature	new shell	80.4889237	1	5.19554807
2004	female	mature	new shell	169.285174	1	1.63544479
2004	female	mature	old shell	41.3627829	1	10.5916416
2005	female	immature	new shell	286.674493	1	1.77265624
2005	female	mature	new shell	152.08939	1	4.28335597
2005	female	mature	old shell	230.920044	1	3.19068701
2006	female	immature	new shell	49.5890323	1	8.09643905
2006	female	mature	new shell	276.217999	1	2.0059966
2006	female	mature	old shell	105.875362	1	4.16225646
2007	female	immature	new shell	190.704246	1	2.50679189
2007	female	mature	new shell	68.1649679	1	6.54417227
2007	female	mature	old shell	723.892502	1	0.79025185
2008	female	immature	new shell	79.8202669	1	4.95536501
2008	female	mature	new shell	86.6801205	1	5.0550627
2008	female	mature	old shell	421.09039	1	1.39501948
2009	female	immature	new shell	24.0364595	1	9.63565365
2009	female	mature	new shell	41.2261619	1	5.25427289

	2009	female	mature	old shell	349.344991	1	1.06886308
	2010	female	immature	new shell	87.2921037	1	5.23229707
	2010	female	mature	new shell	212.791765	1	1.97273285
	2010	female	mature	old shell	905.66878	1	0.94399586
	2011	female	immature	new shell	81.0909258	1	5.52618636
	2011	female	mature	new shell	30.6390812	1	7.51152729
	2011	female	mature	old shell	294.995788	1	2.11451448
	2012	female	immature	new shell	47.2449465	1	8.04068246
	2012	female	mature	new shell	47.2878956	1	5.35107812
	2012	female	mature	old shell	284.037263	1	1.32368848
	2013	female	immature	new shell	96.7348093	1	4.60439727
	2013	female	mature	new shell	386.051951	1	0.92133181
	2013	female	mature	old shell	65.898757	1	4.73813355
	2014	female	immature	new shell	20.2695172	1	19.0430747
	2014	female	mature	new shell	50.3208545	1	4.48536652
	2014	female	mature	old shell	84.5594516	1	4.16733787
	2015	female	immature	new shell	83.2007654	1	5.05774844
	2015	female	mature	new shell	16.9413277	1	14.3491254
	2015	female	mature	old shell	100.157896	1	3.42250569
	2016	female	immature	new shell	47.2879439	1	9.02708936
	2016	female	mature	new shell	78.4006148	1	7.61785536
	2016	female	mature	old shell	45.8662411	1	5.94470963
	2017	female	immature	new shell	16.2753742	1	12.1918761
	2017	female	mature	new shell	23.3275789	1	19.2334632
	2017	female	mature	old shell	77.107117	1	2.98288859
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.1876698	20	0.66917909
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	26.9314917	1	12.6636962
	1981	male	all maturity st	all shell condi	1186.87943	1	0.66443948
	1982	male	all maturity st	all shell condi	427.280427	1	2.30790401
	1983	male	all maturity st	all shell condi	55.5782098	1	1.38482671
	1984	male	all maturity st	all shell condi	312.192396	1	0.81043574
	1988	male	all maturity st	all shell condi	66.2572886	1	8.03000053
	1989	male	all maturity st	all shell condi	226.954424	1	0.87162119
	1990	male	all maturity st	all shell condi	68.0854844	1	10.5093941
	1991	male	all maturity st	all shell condi	391.261079	1	2.85933234
	1992	male	all maturity st	all shell condi	84.3361145	1	14.3602774
	1993	male	all maturity st	all shell condi	160.680524	1	6.96220401
	1994	male	all maturity st	all shell condi	134.247467	1	10.6305473

	1995	male	all maturity st	all shell condi	203.787093	1	0.62436785
	1996	male	all maturity st	all shell condi	199.925413	1	1.31705514
	2005	male	all maturity st	all shell condi	15.0013476	1	1.43761681
	2006	male	all maturity st	all shell condi	182.941584	1	0.90522962
	2007	male	all maturity st	all shell condi	788.970167	1	1.26557529
	2008	male	all maturity st	all shell condi	366.989431	1	0.87288498
	2009	male	all maturity st	all shell condi	74.4005141	1	1.16182093
	2013	male	all maturity st	all shell condi	613.458807	1	0.50664504
	2014	male	all maturity st	all shell condi	270.36396	1	3.31530048
	2015	male	all maturity st	all shell condi	187.490629	1	8.03901824
all		male	all maturity st	all shell condi	0.20042351	20	0.26110228
all		female	all maturity st	all shell condi	0.59802078	20	2.32458753
	1991	male	all maturity st	all shell condi	1122.23588	1	1.40959935
	1991	female	all maturity st	all shell condi	266.955932	1	1.44988749
	1992	male	all maturity st	all shell condi	101.672164	1	23.8562472
	1992	female	all maturity st	all shell condi	985.239644	1	0.35483478
	1993	male	all maturity st	all shell condi	220.400813	1	10.6037092
	1993	female	all maturity st	all shell condi	390.753203	1	0.63374503
	1994	male	all maturity st	all shell condi	1352.31931	1	0.85791808
	1994	female	all maturity st	all shell condi	67.9134272	1	1.42602748
	1995	male	all maturity st	all shell condi	135.589727	1	2.00788932
	1995	female	all maturity st	all shell condi	107.527781	1	0.97280004
	1996	male	all maturity st	all shell condi	24.9259841	1	1.68414533
	1996	female	all maturity st	all shell condi	157.179661	1	0.0713465
	2005	male	all maturity st	all shell condi	110.316757	1	14.7926701
	2005	female	all maturity st	all shell condi	39.041899	1	1.03209985
	2006	male	all maturity st	all shell condi	347.665181	1	5.30415557
	2006	female	all maturity st	all shell condi	284.121363	1	0.87889473
	2007	male	all maturity st	all shell condi	420.533867	1	5.9808747
	2007	female	all maturity st	all shell condi	336.183804	1	0.33741197
	2008	male	all maturity st	all shell condi	762.141871	1	5.03194031
	2008	female	all maturity st	all shell condi	43.1938284	1	0.34398385
	2009	male	all maturity st	all shell condi	159.699649	1	8.04180865
	2009	female	all maturity st	all shell condi	24.8664764	1	0.16901308
	2013	male	all maturity st	all shell condi	2526.8466	1	1.4027087
	2013	female	all maturity st	all shell condi	67.1118869	1	0.5032467
	2014	male	all maturity st	all shell condi	235.986918	1	10.7003475
	2014	female	all maturity st	all shell condi	150.651876	1	0.26560073
	2015	male	all maturity st	all shell condi	143.357237	1	13.6784979
	2015	female	all maturity st	all shell condi	74.7285188	1	1.23220734
all		male	all maturity st	all shell condi	0	0	0

all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.08469688	20	0.08966952
all		female	all maturity st	all shell condi	0.29542319	20	1.09093579
	1992	male	all maturity st	all shell condi	183.501579	1	2.2819998
	1992	female	all maturity st	all shell condi	18.3449104	1	1.02804683
	1993	male	all maturity st	all shell condi	318.033638	1	0.73431962
	1993	female	all maturity st	all shell condi	31.6762309	1	1.26255518
	1994	male	all maturity st	all shell condi	179.514859	1	0.71655449
	1994	female	all maturity st	all shell condi	38.2960883	1	1.98522224
	1995	male	all maturity st	all shell condi	158.911547	1	0.4865949
	1995	female	all maturity st	all shell condi	40.3683227	1	0.31461468
	1996	male	all maturity st	all shell condi	53.3256151	1	3.39026836
	1996	female	all maturity st	all shell condi	45.2680128	1	0.47221626
	1997	male	all maturity st	all shell condi	658.880339	1	0.67408514
	1997	female	all maturity st	all shell condi	115.957835	1	0.19562251
	1998	male	all maturity st	all shell condi	549.843442	1	0.32091886
	1998	female	all maturity st	all shell condi	19.9637618	1	0.35331609
	1999	male	all maturity st	all shell condi	200.776005	1	0.29078148
	1999	female	all maturity st	all shell condi	28.888091	1	0.07085502
	2000	male	all maturity st	all shell condi	272.360986	1	0.26732136
	2000	female	all maturity st	all shell condi	35.3233844	1	0.0859635
	2001	male	all maturity st	all shell condi	920.241232	1	0.27444845
	2001	female	all maturity st	all shell condi	150.620021	1	0.04783804
	2002	male	all maturity st	all shell condi	55.2427803	1	0.82230177
	2002	female	all maturity st	all shell condi	46.2126021	1	0.06743349
	2003	male	all maturity st	all shell condi	89.0075261	1	0.4399072
	2003	female	all maturity st	all shell condi	43.6440013	1	0.10571461
	2004	male	all maturity st	all shell condi	20.9596474	1	1.96698468
	2004	female	all maturity st	all shell condi	32.0990282	1	0.84510823
	2005	male	all maturity st	all shell condi	109.641568	1	4.87905838
	2005	female	all maturity st	all shell condi	143.653974	1	0.14736267
	2006	male	all maturity st	all shell condi	73.3433574	1	6.07986579
	2006	female	all maturity st	all shell condi	44.23103	1	1.16873647
	2007	male	all maturity st	all shell condi	295.085493	1	2.63649702
	2007	female	all maturity st	all shell condi	47.3027772	1	0.40569558
	2008	male	all maturity st	all shell condi	81.4099066	1	7.94670557
	2008	female	all maturity st	all shell condi	14.3879081	1	2.31279971
	2009	male	all maturity st	all shell condi	416.774781	1	2.15381051
	2009	female	all maturity st	all shell condi	22.4044801	1	0.91911332
	2010	male	all maturity st	all shell condi	332.310559	1	1.42252861
	2010	female	all maturity st	all shell condi	80.215951	1	0.18815064

	2011	male	all maturity st	all shell condi	185.241048	1	3.68929793
	2011	female	all maturity st	all shell condi	55.7706091	1	0.17968601
	2012	male	all maturity st	all shell condi	119.647134	1	3.85744747
	2012	female	all maturity st	all shell condi	53.4160934	1	0.16457833
	2013	male	all maturity st	all shell condi	272.515709	1	2.47010305
	2013	female	all maturity st	all shell condi	179.744212	1	0.09435541
	2014	male	all maturity st	all shell condi	407.811125	1	3.13309779
	2014	female	all maturity st	all shell condi	66.6674143	1	0.43751782
	2015	male	all maturity st	all shell condi	518.636633	1	1.84952402
	2015	female	all maturity st	all shell condi	111.984465	1	0.09664333
	2016	male	all maturity st	all shell condi	353.634889	1	2.9184286
	2016	female	all maturity st	all shell condi	110.307157	1	0.09981267
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.06420891	20	0.09070125
	1973	male	all maturity st	all shell condi	474.123808	1	-1.9028099
	1973	female	all maturity st	all shell condi	167.653142	1	4.89286205
	1974	male	all maturity st	all shell condi	107.742593	1	1.61614767
	1974	female	all maturity st	all shell condi	216.230455	1	2.94328342
	1975	male	all maturity st	all shell condi	93.1148705	1	0.70002508
	1975	female	all maturity st	all shell condi	156.329022	1	2.00007094
	1976	male	all maturity st	all shell condi	80.6106669	1	-1.8492368
	1976	female	all maturity st	all shell condi	110.707456	1	21.393708
	1977	male	all maturity st	all shell condi	167.946945	1	-1.5826046
	1977	female	all maturity st	all shell condi	251.697011	1	15.4001026
	1978	male	all maturity st	all shell condi	232.581491	1	-4.2194051
	1978	female	all maturity st	all shell condi	137.372118	1	25.9008871
	1979	male	all maturity st	all shell condi	720.930569	1	-6.6014607
	1979	female	all maturity st	all shell condi	354.732858	1	13.6298635
	1980	male	all maturity st	all shell condi	559.450033	1	3.12184892
	1980	female	all maturity st	all shell condi	990.582301	1	2.45885857
	1981	male	all maturity st	all shell condi	499.933291	1	-4.5891393
	1981	female	all maturity st	all shell condi	64.9336532	1	13.4506827
	1982	male	all maturity st	all shell condi	331.130354	1	4.56028603
	1982	female	all maturity st	all shell condi	69.6304499	1	22.2032946
	1983	male	all maturity st	all shell condi	605.770294	1	18.1929974
	1983	female	all maturity st	all shell condi	195.434687	1	-5.1767063
	1984	male	all maturity st	all shell condi	757.014813	1	22.8629475
	1984	female	all maturity st	all shell condi	417.372015	1	-10.828309
	1985	male	all maturity st	all shell condi	226.530749	1	17.5467354
	1985	female	all maturity st	all shell condi	338.241954	1	-1.7539667
	1986	male	all maturity st	all shell condi	216.255682	1	14.184625

1986	female	all maturity st	all shell condi	118.428313	1	3.55474415
1987	male	all maturity st	all shell condi	232.849769	1	20.962014
1987	female	all maturity st	all shell condi	675.31031	1	0.02630649
1988	male	all maturity st	all shell condi	230.307669	1	8.19024563
1988	female	all maturity st	all shell condi	203.788516	1	9.03614227
1989	male	all maturity st	all shell condi	372.136923	1	4.53036324
1989	female	all maturity st	all shell condi	1013.85604	1	11.9637786
1990	male	all maturity st	all shell condi	918.272087	1	16.8371957
1990	female	all maturity st	all shell condi	362.777421	1	-8.9151771
1991	male	all maturity st	all shell condi	288.725797	1	1.14875256
1991	female	all maturity st	all shell condi	184.545562	1	7.39558957
1992	male	all maturity st	all shell condi	146.094965	1	6.22030026
1992	female	all maturity st	all shell condi	61.7139664	1	3.77644159
1993	male	all maturity st	all shell condi	68.9999072	1	4.16577738
1993	female	all maturity st	all shell condi	109.927337	1	-0.4771821
1994	male	all maturity st	all shell condi	296.515123	1	2.40040206
1994	female	all maturity st	all shell condi	345.936722	1	0.94819747
1995	male	all maturity st	all shell condi	52.5770438	1	14.0750912
1995	female	all maturity st	all shell condi	53.9314508	1	5.31976425
1996	male	all maturity st	all shell condi	169.202272	1	13.5489425
1996	female	all maturity st	all shell condi	425.956785	1	-4.7505305
1997	male	all maturity st	all shell condi	58.5184205	1	20.0415764
1997	female	all maturity st	all shell condi	167.959215	1	5.27059651
1998	male	all maturity st	all shell condi	161.989847	1	7.31410045
1998	female	all maturity st	all shell condi	267.876659	1	7.13191222
1999	male	all maturity st	all shell condi	374.402614	1	5.49689125
1999	female	all maturity st	all shell condi	924.81784	1	2.55347579
2000	male	all maturity st	all shell condi	306.385898	1	6.59945358
2000	female	all maturity st	all shell condi	498.224603	1	0.95762198
2001	male	all maturity st	all shell condi	745.461813	1	8.40602751
2001	female	all maturity st	all shell condi	1177.31223	1	-3.4004467
2002	male	all maturity st	all shell condi	491.714269	1	9.23941436
2002	female	all maturity st	all shell condi	881.789394	1	-0.1220846
2003	male	all maturity st	all shell condi	206.644995	1	4.22989032
2003	female	all maturity st	all shell condi	316.00594	1	4.92176749
2004	male	all maturity st	all shell condi	100.210142	1	-1.3817149
2004	female	all maturity st	all shell condi	30.0646907	1	41.3590123
2005	male	all maturity st	all shell condi	1648.80459	1	3.82995581
2005	female	all maturity st	all shell condi	1659.32904	1	1.04947241
2006	male	all maturity st	all shell condi	169.682745	1	13.4245174
2006	female	all maturity st	all shell condi	178.290994	1	2.46667676

	2007	male	all maturity st	all shell condi	173.194927	1	10.1405845
	2007	female	all maturity st	all shell condi	104.074657	1	8.26410004
	2008	male	all maturity st	all shell condi	165.035005	1	26.8398496
	2008	female	all maturity st	all shell condi	215.333787	1	-9.1648841
	2009	male	all maturity st	all shell condi	272.163739	1	14.2608995
	2009	female	all maturity st	all shell condi	463.102778	1	-6.9728864
	2010	male	all maturity st	all shell condi	454.308764	1	7.2748963
	2010	female	all maturity st	all shell condi	1192.19297	1	-3.0361171
	2011	male	all maturity st	all shell condi	97.1129305	1	9.90087113
	2011	female	all maturity st	all shell condi	77.1277547	1	18.8614834
	2012	male	all maturity st	all shell condi	284.380201	1	-6.2497458
	2012	female	all maturity st	all shell condi	128.322755	1	13.0873812
	2013	male	all maturity st	all shell condi	252.873987	1	2.09296086
	2013	female	all maturity st	all shell condi	604.516616	1	9.74568945
	2014	male	all maturity st	all shell condi	718.945407	1	10.4663798
	2014	female	all maturity st	all shell condi	758.78097	1	-5.9152184
	2015	male	all maturity st	all shell condi	197.613905	1	16.5510646
	2015	female	all maturity st	all shell condi	288.070989	1	1.03007017
	2016	male	all maturity st	all shell condi	178.628013	1	-2.3152613
	2016	female	all maturity st	all shell condi	55.4630144	1	24.9833322
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.16745427	20	0.32247074
all		female	all maturity st	all shell condi	0.01017684	20	0.00119103
	1992	male	all maturity st	all shell condi	44.5073765	1	2.13205759
	1992	female	all maturity st	all shell condi	74.9671144	1	0.12976009
	1993	male	all maturity st	all shell condi	67.7188018	1	4.62626611
	1993	female	all maturity st	all shell condi	301.096114	1	0.24751367
	1996	male	all maturity st	all shell condi	22.931089	1	0.2638243
	1996	female	all maturity st	all shell condi	3.44507565	1	0.03192946
	1997	male	all maturity st	all shell condi	29.9370063	1	1.60801316
	1997	female	all maturity st	all shell condi	24.9480022	1	0.06280855
	1998	male	all maturity st	all shell condi	80.6207262	1	0.30745472
	1998	female	all maturity st	all shell condi	21.2281171	1	0.07011355
	1999	male	all maturity st	all shell condi	50.4732422	1	0.30573767
	1999	female	all maturity st	all shell condi	18.6719441	1	0.02696437
	2000	male	all maturity st	all shell condi	146.405843	1	0.7105491
	2000	female	all maturity st	all shell condi	43.5156115	1	0.06275437
	2001	male	all maturity st	all shell condi	105.352547	1	0.33318862
	2001	female	all maturity st	all shell condi	53.3625665	1	0.03369541
	2002	male	all maturity st	all shell condi	101.35879	1	0.5269338

2002	female	all maturity st	all shell condi	41.3854489	1	0.0453738
2003	male	all maturity st	all shell condi	80.8976104	1	0.52089811
2003	female	all maturity st	all shell condi	52.4434126	1	0.09499301
2004	male	all maturity st	all shell condi	39.8106083	1	0.69378352
2004	female	all maturity st	all shell condi	22.6222483	1	0.05370166
2005	male	all maturity st	all shell condi	45.0816513	1	1.69652787
2005	female	all maturity st	all shell condi	13.1820852	1	0.16772164
2006	male	all maturity st	all shell condi	22.8539712	1	2.16083474
2006	female	all maturity st	all shell condi	26.7551582	1	0.25503584
2007	male	all maturity st	all shell condi	96.092481	1	1.17513968
2007	female	all maturity st	all shell condi	103.684309	1	0.0877232
2008	male	all maturity st	all shell condi	71.0421449	1	2.71180937
2008	female	all maturity st	all shell condi	106.678231	1	0.11202334
2009	male	all maturity st	all shell condi	24.6211714	1	6.05077497
2009	female	all maturity st	all shell condi	128.164669	1	0.04727332
2010	male	all maturity st	all shell condi	53.2897255	1	0.87626211
2010	female	all maturity st	all shell condi	35.7251171	1	0.04548579
2011	male	all maturity st	all shell condi	71.3356305	1	0.35855028
2011	female	all maturity st	all shell condi	5.43793549	1	0.02145281
2012	male	all maturity st	all shell condi	83.0575126	1	0.58812205
2012	female	all maturity st	all shell condi	6.44404035	1	0.23265402
2013	male	all maturity st	all shell condi	64.8725303	1	1.79717322
2013	female	all maturity st	all shell condi	9.52837198	1	0.18191181
2014	male	all maturity st	all shell condi	138.551824	1	1.4493721
2014	female	all maturity st	all shell condi	21.509447	1	0.07234547
2015	male	all maturity st	all shell condi	168.814942	1	0.89712487
2015	female	all maturity st	all shell condi	99.9720401	1	0.07316495
2016	male	all maturity st	all shell condi	22.4056414	1	7.90982257
2016	female	all maturity st	all shell condi	20.1412454	1	0.50479545
2015	male	immature	new shell	0.66233082	1	100.669392
2016	male	immature	new shell	0.66233082	1	116.177738
2015	female	immature	new shell	0.47933996	1	78.7754577
2016	female	immature	new shell	0.47933996	1	69.7689612
1994	male	immature	new shell	0.67251714	0	13.846946
1995	male	immature	new shell	0.67251714	0	32.8029913
1996	male	immature	new shell	0.67251714	0	369.009646
1997	male	immature	new shell	0.67251714	0	516.537645
1998	male	immature	new shell	0.67251714	0	549.765947
1999	male	immature	new shell	0.67251714	0	467.522589
2000	male	immature	new shell	0.67251714	0	752.314449
2001	male	immature	new shell	0.67251714	0	907.640479

2002	male	immature	new shell	0.67251714	0	846.310466
2003	male	immature	new shell	0.67251714	0	291.833824
2004	male	immature	new shell	0.67251714	0	184.111439
2005	male	immature	new shell	0.67251714	0	102.949995
2006	male	immature	new shell	0.67251714	0	12.3718325
2011	male	immature	new shell	0.67251714	0	2.09570975
2012	male	immature	new shell	0.67251714	0	3.19930799
1994	female	immature	new shell	0.60455819	0	17.7205081
1995	female	immature	new shell	0.60455819	0	18.1608484
1996	female	immature	new shell	0.60455819	0	230.972916
1997	female	immature	new shell	0.60455819	0	180.355595
1998	female	immature	new shell	0.60455819	0	249.47753
1999	female	immature	new shell	0.60455819	0	360.722965
2000	female	immature	new shell	0.60455819	0	663.258535
2001	female	immature	new shell	0.60455819	0	594.581241
2002	female	immature	new shell	0.60455819	0	327.088543
2003	female	immature	new shell	0.60455819	0	96.9077463
2004	female	immature	new shell	0.60455819	0	107.350446
2005	female	immature	new shell	0.60455819	0	23.5740728
2006	female	immature	new shell	0.60455819	0	7.14231286
2012	female	immature	new shell	0.60455819	0	2.30497025
1990	male		new shell	6.95145724	1	67.2968262
1991	male		new shell	6.95145724	1	69.0066072
1992	male		new shell	6.95145724	1	18.2413024
1993	male		new shell	6.95145724	1	32.7716944
1994	male		new shell	6.95145724	1	22.304516
1995	male		new shell	6.95145724	1	13.8662354
1997	male		new shell	6.95145724	1	9.36218308
1998	male		new shell	6.95145724	1	27.9071442
1999	male		new shell	6.95145724	1	11.0328546
2000	male		new shell	6.95145724	1	24.4976106
2001	male		new shell	6.95145724	1	30.0621574
2002	male		new shell	6.95145724	1	21.1783818
2003	male		new shell	6.95145724	1	13.3477309
2004	male		new shell	6.95145724	1	18.627936
2005	male		new shell	6.95145724	1	66.9094569
2008	male		new shell	6.95145724	1	56.7437623
2010	male		new shell	6.95145724	1	78.7807494
2012	male		new shell	6.95145724	1	15.7801508
2014	male		new shell	6.95145724	1	27.5601401
2016	male		new shell	6.95145724	1	35.3528135

	2017	male		new shell	6.95145724	1	20.0954051
all		male	immature	new shell	0.09975135	1	1017.04297
all		male	mature	new shell	0.09975135	1	1017.04297
all		male	immature	old shell	0.09975135	1	1017.04297
all		male	mature	old shell	0.09975135	1	1017.04297
all		female	immature	new shell	0.09975135	1	1017.04297
all		female	mature	new shell	0.09975135	1	1017.04297
all		female	immature	old shell	0.09975135	1	1017.04297
all		female	mature	old shell	0.09975135	1	1017.04297
all		male	immature	new shell	0.09975135	1	505.757447
all		male	mature	new shell	0.09975135	1	505.757447
all		male	immature	old shell	0.09975135	1	505.757447
all		male	mature	old shell	0.09975135	1	505.757447
all		female	immature	new shell	0.09975135	1	505.757447
all		female	mature	new shell	0.09975135	1	505.757447
all		female	immature	old shell	0.09975135	1	505.757447
all		female	mature	old shell	0.09975135	1	505.757447
all		male	immature	all shell condi	2.62904262	0	148.6051
all		male	mature	all shell condi	2.08279067	0	93.2673647
all		female	immature	all shell condi	2.51671669	0	136.178052
all		female	mature	all shell condi	2.13819103	0	98.2950092
all		male	mature	all shell condi	2.00522568	0	86.4499952
all		female	mature	all shell condi	2.08748627	0	93.688377
	1975	male	immature	all shell condi	747.68171	0	5.03873892
	1975	male	mature	all shell condi	72.225929	0	52.47931
	1975	female	immature	all shell condi	222.89123	0	3.66079359
	1975	female	mature	all shell condi	102.058616	0	-13.084383
	1976	male	immature	all shell condi	404.093203	0	11.3524954
	1976	male	mature	all shell condi	226.911877	0	2.51731576
	1976	female	immature	all shell condi	95.2145949	0	20.9064739
	1976	female	mature	all shell condi	161.692623	0	-9.6305988
	1977	male	immature	all shell condi	150.574593	0	9.14602969
	1977	male	mature	all shell condi	195.83811	0	-8.4591655
	1977	female	immature	all shell condi	28.2349979	0	51.0011351
	1977	female	mature	all shell condi	379.388203	0	-7.9144013
	1978	male	immature	all shell condi	335.177391	0	2.01885761
	1978	male	mature	all shell condi	346.175519	0	1.1776798
	1978	female	immature	all shell condi	57.8666701	0	23.9762882
	1978	female	mature	all shell condi	1006.1137	0	-4.8858141
	1979	male	immature	all shell condi	118.756998	0	18.6215216
	1979	male	mature	all shell condi	281.061327	0	-7.075084

1979	female	immature	all shell condi	327.554565	0	-2.4308268
1979	female	mature	all shell condi	76.6483469	0	21.9670089
1980	male	immature	all shell condi	77.2894733	0	32.7873276
1980	male	mature	all shell condi	142.606778	0	-12.001709
1980	female	immature	all shell condi	777.092199	0	2.87757732
1980	female	mature	all shell condi	46.6339361	0	18.6029181
1981	male	immature	all shell condi	459.142765	0	7.92169339
1981	male	mature	all shell condi	255.976249	0	-11.991094
1981	female	immature	all shell condi	183.733469	0	-4.3633449
1981	female	mature	all shell condi	22.5953813	0	63.9134888
1982	male	immature	all shell condi	197.725767	0	-13.69061
1982	male	mature	all shell condi	205.812493	0	-14.00136
1982	female	immature	all shell condi	155.558748	0	-6.6599339
1982	female	mature	all shell condi	6.40996385	0	144.567487
1983	male	immature	all shell condi	114.327494	0	11.661807
1983	male	mature	all shell condi	273.88331	0	-7.4646477
1983	female	immature	all shell condi	96.4075967	0	16.2677748
1983	female	mature	all shell condi	114.340843	0	17.3623707
1984	male	immature	all shell condi	259.83554	0	-10.93941
1984	male	mature	all shell condi	274.43517	0	11.5256813
1984	female	immature	all shell condi	134.513158	0	-1.8569037
1984	female	mature	all shell condi	78.2348017	0	28.7960108
1985	male	immature	all shell condi	153.31461	0	-18.936424
1985	male	mature	all shell condi	77.0564945	0	34.9704416
1985	female	immature	all shell condi	89.081129	0	-18.376116
1985	female	mature	all shell condi	43.2622212	0	44.2323284
1986	male	immature	all shell condi	175.427957	0	6.47492255
1986	male	mature	all shell condi	72.7306119	0	29.05646
1986	female	immature	all shell condi	62.717074	0	-5.399948
1986	female	mature	all shell condi	249.851406	0	4.01969917
1987	male	immature	all shell condi	94.6375959	0	7.29457802
1987	male	mature	all shell condi	495.282897	0	10.2822055
1987	female	immature	all shell condi	36.3326872	0	60.1694274
1987	female	mature	all shell condi	408.234237	0	-2.4446366
1988	male	immature	all shell condi	203.069787	0	-1.7587818
1988	male	mature	all shell condi	181.703755	0	20.5639187
1988	female	immature	all shell condi	101.305226	0	-9.6678065
1988	female	mature	all shell condi	59.6429113	0	28.2227579
1989	male	immature	all shell condi	348.705008	0	-3.205858
1989	male	mature	all shell condi	350.959381	0	13.0626292
1989	female	immature	all shell condi	217.693474	0	4.86851438

1989	female	mature	all shell condi	319.950025	0	0.61303806
1990	male	immature	all shell condi	446.919143	0	-9.9174217
1990	male	mature	all shell condi	765.713887	0	2.58234021
1990	female	immature	all shell condi	295.394506	0	1.59922571
1990	female	mature	all shell condi	143.492521	0	21.5263279
1991	male	immature	all shell condi	220.800828	0	-0.1763631
1991	male	mature	all shell condi	830.055869	0	-3.6627003
1991	female	immature	all shell condi	135.088516	0	6.50961989
1991	female	mature	all shell condi	325.358159	0	17.0508261
1992	male	immature	all shell condi	519.173838	0	5.62392493
1992	male	mature	all shell condi	347.390516	0	2.79594461
1992	female	immature	all shell condi	305.368934	0	3.66003032
1992	female	mature	all shell condi	3524.70674	0	1.84103266
1993	male	immature	all shell condi	491.038422	0	14.9935847
1993	male	mature	all shell condi	557.028325	0	2.32414057
1993	female	immature	all shell condi	526.45915	0	4.32918325
1993	female	mature	all shell condi	358.730877	0	-11.724734
1994	male	immature	all shell condi	291.201874	0	9.85038995
1994	male	mature	all shell condi	818.23262	0	-4.2263548
1994	female	immature	all shell condi	76.2351034	0	19.4872714
1994	female	mature	all shell condi	643.530268	0	-9.5116386
1995	male	immature	all shell condi	335.697056	0	-5.9788587
1995	male	mature	all shell condi	584.295249	0	1.26361356
1995	female	immature	all shell condi	315.866119	0	-3.709948
1995	female	mature	all shell condi	120.319737	0	25.642592
1996	male	immature	all shell condi	445.693209	0	-5.7877042
1996	male	mature	all shell condi	607.093495	0	7.05466842
1996	female	immature	all shell condi	226.784653	0	-3.7054351
1996	female	mature	all shell condi	210.8159	0	16.4923474
1997	male	immature	all shell condi	300.087731	0	3.12364326
1997	male	mature	all shell condi	2152.8098	0	-3.0465288
1997	female	immature	all shell condi	97.7075969	0	19.2547461
1997	female	mature	all shell condi	875.45035	0	-5.7903987
1998	male	immature	all shell condi	132.898736	0	14.618913
1998	male	mature	all shell condi	2055.77298	0	-1.489885
1998	female	immature	all shell condi	216.751443	0	17.7877579
1998	female	mature	all shell condi	186.672676	0	-9.9881391
1999	male	immature	all shell condi	158.563135	0	11.0189689
1999	male	mature	all shell condi	886.893102	0	2.2647489
1999	female	immature	all shell condi	197.714573	0	9.33376064
1999	female	mature	all shell condi	454.236347	0	-5.0138183

2000	male	immature	all shell condi	153.34578	0	6.52901024
2000	male	mature	all shell condi	1434.03519	0	5.11434362
2000	female	immature	all shell condi	245.441668	0	3.66401286
2000	female	mature	all shell condi	419.255606	0	-1.960649
2001	male	immature	all shell condi	225.426688	0	12.066218
2001	male	mature	all shell condi	881.353823	0	-4.6488054
2001	female	immature	all shell condi	254.753986	0	14.7925291
2001	female	mature	all shell condi	397.118243	0	-5.1435926
2002	male	immature	all shell condi	134.125355	0	8.07590342
2002	male	mature	all shell condi	1653.75663	0	-2.1085183
2002	female	immature	all shell condi	93.1461461	0	20.0798889
2002	female	mature	all shell condi	875.764363	0	-3.9543374
2003	male	immature	all shell condi	320.584584	0	4.68333474
2003	male	mature	all shell condi	1938.45272	0	1.26972907
2003	female	immature	all shell condi	231.218601	0	-1.5189109
2003	female	mature	all shell condi	256.675877	0	9.49699096
2004	male	immature	all shell condi	205.471269	0	2.29671354
2004	male	mature	all shell condi	485.470384	0	12.1774093
2004	female	immature	all shell condi	172.845701	0	12.8965164
2004	female	mature	all shell condi	309.825552	0	-4.519034
2005	male	immature	all shell condi	336.903015	0	-0.197603
2005	male	mature	all shell condi	1559.0358	0	-4.0943311
2005	female	immature	all shell condi	191.445171	0	20.994994
2005	female	mature	all shell condi	1843.23261	0	-2.3464407
2006	male	immature	all shell condi	438.084465	0	6.53453305
2006	male	mature	all shell condi	1022.70959	0	2.56090582
2006	female	immature	all shell condi	178.609751	0	12.5258995
2006	female	mature	all shell condi	724.909211	0	-5.0565552
2007	male	immature	all shell condi	280.796212	0	21.7096437
2007	male	mature	all shell condi	618.354867	0	3.91560512
2007	female	immature	all shell condi	1140.42698	0	1.88206253
2007	female	mature	all shell condi	197.522712	0	-10.96706
2008	male	immature	all shell condi	811.616238	0	9.86832788
2008	male	mature	all shell condi	783.849262	0	2.33165138
2008	female	immature	all shell condi	568.403981	0	4.08526542
2008	female	mature	all shell condi	641.693318	0	-6.7318669
2009	male	immature	all shell condi	200.072894	0	4.91188019
2009	male	mature	all shell condi	572.495288	0	5.23912558
2009	female	immature	all shell condi	98.1869209	0	5.11274613
2009	female	mature	all shell condi	1670.65804	0	1.49419117
2010	male	immature	all shell condi	427.708992	0	-0.9997032

	2010	male	mature	all shell condi	334.379065	0	14.9453368
	2010	female	immature	all shell condi	207.846659	0	-2.5010841
	2010	female	mature	all shell condi	11680.257	0	-1.03646
	2011	male	immature	all shell condi	599.070016	0	3.87773236
	2011	male	mature	all shell condi	1710.00147	0	4.36097682
	2011	female	immature	all shell condi	246.94614	0	7.75996187
	2011	female	mature	all shell condi	439.240196	0	-4.7063403
	2012	male	immature	all shell condi	415.905445	0	9.87370464
	2012	male	mature	all shell condi	1239.11734	0	3.71334612
	2012	female	immature	all shell condi	191.801078	0	1.99572052
	2012	female	mature	all shell condi	756.205078	0	-1.8449607
	2013	male	immature	all shell condi	859.048435	0	4.36556491
	2013	male	mature	all shell condi	325.979965	0	8.02554882
	2013	female	immature	all shell condi	513.04341	0	-0.0175086
	2013	female	mature	all shell condi	1787.94784	0	-0.9041411
	2014	male	immature	all shell condi	406.634494	0	10.8064728
	2014	male	mature	all shell condi	507.178093	0	4.68457492
	2014	female	immature	all shell condi	104.443701	0	14.3741736
	2014	female	mature	all shell condi	444.254739	0	-8.0337081
	2015	male	immature	all shell condi	1077.60672	0	5.31444288
	2015	male	mature	all shell condi	634.608716	0	3.37535666
	2015	female	immature	all shell condi	624.536086	0	2.74374392
	2015	female	mature	all shell condi	333.664516	0	0.80019151
	2016	male	immature	all shell condi	479.134098	0	5.90263615
	2016	male	mature	all shell condi	170.524147	0	22.9313447
	2016	female	immature	all shell condi	407.537207	0	0.76978764
	2016	female	mature	all shell condi	268.798729	0	-6.9071619
	2017	male	immature	all shell condi	98.883418	0	-0.293018
	2017	male	mature	all shell condi	150.218207	0	24.2987812
	2017	female	immature	all shell condi	72.7581741	0	7.11768203
	2017	female	mature	all shell condi	537.707999	0	0.88237047
all		male	all maturity st	new shell	2.66563519	1	152.770636
all		male	all maturity st	old shell	3.42901481	1	252.800065
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
all		male	all maturity st	new shell	2.42738841	1	126.682612
all		male	all maturity st	old shell	2.71541302	1	158.52956
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
	1975	male	all maturity st	new shell	61.6225811	1	31.0958548
	1975	male	all maturity st	old shell	28.6188871	1	39.1794778

1976	male	all maturity st	new shell	204.209555	1	7.99935165
1976	male	all maturity st	old shell	19.272785	1	61.4588522
1977	male	all maturity st	new shell	79.1093823	1	15.3247951
1977	male	all maturity st	old shell	69.3350178	1	20.5779755
1978	male	all maturity st	new shell	143.841551	1	9.36844112
1978	male	all maturity st	old shell	50.6285027	1	25.1865612
1979	male	all maturity st	new shell	68.5487849	1	13.4804896
1979	male	all maturity st	old shell	36.6783317	1	34.3600847
1980	male	all maturity st	new shell	48.6617283	1	19.1013687
1980	male	all maturity st	old shell	35.6063128	1	34.4063641
1981	male	all maturity st	new shell	64.4609931	1	18.2038309
1981	male	all maturity st	old shell	34.5452528	1	27.5098327
1982	male	all maturity st	new shell	70.0036931	1	17.7387584
1982	male	all maturity st	old shell	242.667616	1	5.73171698
1983	male	all maturity st	new shell	39.1180113	1	26.1175578
1983	male	all maturity st	old shell	64.4524432	1	18.0821101
1984	male	all maturity st	new shell	80.8351578	1	7.91106959
1984	male	all maturity st	old shell	45.1073399	1	23.7239337
1985	male	all maturity st	new shell	96.7724668	1	12.2275238
1985	male	all maturity st	old shell	43.7331145	1	27.6653701
1986	male	all maturity st	new shell	56.1714112	1	16.1660096
1986	male	all maturity st	old shell	84.7721801	1	12.7841356
1987	male	all maturity st	new shell	39.40935	1	20.1422113
1987	male	all maturity st	old shell	189.444175	1	9.74861941
1988	male	all maturity st	new shell	64.0224881	1	18.0015323
1988	male	all maturity st	old shell	200.33874	1	10.493994
1989	male	all maturity st	new shell	133.548437	1	10.7980701
1989	male	all maturity st	old shell	377.907264	1	7.06115333
1990	male	all maturity st	new shell	286.575642	1	5.22009383
1990	male	all maturity st	old shell	146.76826	1	9.51198231
1991	male	all maturity st	new shell	132.805934	1	9.34963988
1991	male	all maturity st	old shell	138.397166	1	11.2009948
1992	male	all maturity st	new shell	187.108233	1	6.9596473
1992	male	all maturity st	old shell	74.1022392	1	13.5591367
1993	male	all maturity st	new shell	450.790708	1	2.95209656
1993	male	all maturity st	old shell	153.504651	1	6.13338335
1994	male	all maturity st	new shell	177.425035	1	5.79140952
1994	male	all maturity st	old shell	143.425418	1	6.95590613
1995	male	all maturity st	new shell	97.7441436	1	9.69926521
1995	male	all maturity st	old shell	122.307771	1	8.75432132
1996	male	all maturity st	new shell	127.926149	1	10.9095958

1996	male	all maturity st	old shell	103.506925	1	8.63465451
1997	male	all maturity st	new shell	118.450024	1	8.22688786
1997	male	all maturity st	old shell	377.905397	1	5.49487318
1998	male	all maturity st	new shell	77.4319441	1	10.3476862
1998	male	all maturity st	old shell	258.322909	1	6.40848759
1999	male	all maturity st	new shell	88.8059695	1	9.16090175
1999	male	all maturity st	old shell	107.120398	1	11.6964473
2000	male	all maturity st	new shell	88.3164129	1	6.49575625
2000	male	all maturity st	old shell	150.450049	1	9.86528054
2001	male	all maturity st	new shell	110.863254	1	9.46206397
2001	male	all maturity st	old shell	265.89521	1	7.93009548
2002	male	all maturity st	new shell	50.0209256	1	15.5090561
2002	male	all maturity st	old shell	377.464084	1	4.73394792
2003	male	all maturity st	new shell	136.329991	1	8.12359842
2003	male	all maturity st	old shell	307.368562	1	6.52516837
2004	male	all maturity st	new shell	94.2251605	1	9.64630456
2004	male	all maturity st	old shell	57.338328	1	37.8677255
2005	male	all maturity st	new shell	141.567879	1	7.55585471
2005	male	all maturity st	old shell	449.52175	1	5.9074107
2006	male	all maturity st	new shell	140.115422	1	9.17370911
2006	male	all maturity st	old shell	342.990664	1	7.70576841
2007	male	all maturity st	new shell	276.772617	1	6.13376097
2007	male	all maturity st	old shell	219.722844	1	13.4226378
2008	male	all maturity st	new shell	443.874204	1	3.42523288
2008	male	all maturity st	old shell	135.634569	1	12.4073822
2009	male	all maturity st	new shell	69.3530824	1	10.9205954
2009	male	all maturity st	old shell	113.288584	1	10.3255703
2010	male	all maturity st	new shell	89.0187638	1	12.1908605
2010	male	all maturity st	old shell	166.926787	1	8.05149029
2011	male	all maturity st	new shell	268.244762	1	2.67735215
2011	male	all maturity st	old shell	169.847161	1	8.58315145
2012	male	all maturity st	new shell	247.903648	1	3.40449286
2012	male	all maturity st	old shell	137.437334	1	9.24058906
2013	male	all maturity st	new shell	182.542206	1	6.8711611
2013	male	all maturity st	old shell	240.209394	1	9.84918045
2014	male	all maturity st	new shell	223.750701	1	6.94400645
2014	male	all maturity st	old shell	146.480408	1	8.6417197
2015	male	all maturity st	new shell	479.972908	1	4.9539726
2015	male	all maturity st	old shell	183.533891	1	7.47998509
2016	male	all maturity st	new shell	185.441531	1	8.95816173
2016	male	all maturity st	old shell	109.489086	1	11.6496669

	2017	male	all maturity st	new shell	25.9754931	1	17.6024848
	2017	male	all maturity st	old shell	95.6683129	1	11.9940508
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.51671669	1	136.178052
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.22187383	1	106.139551
all		female	mature	old shell	2.49565254	1	133.908054
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.2589493	1	109.711317
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.18440516	1	102.589957
all		female	mature	old shell	2.35468846	1	119.207992
	1975	female	immature	new shell	24.0894243	1	18.2518358
	1975	female	mature	new shell	90.321359	1	3.61814073
	1975	female	mature	old shell	11.3859996	1	21.9158895
	1976	female	immature	new shell	35.5783182	1	9.55778357
	1976	female	mature	new shell	208.651575	1	2.40557295
	1976	female	mature	old shell	12.3864703	1	22.6612092
	1977	female	immature	new shell	28.6909787	1	10.9370397
	1977	female	mature	new shell	408.352159	1	2.37891046
	1977	female	mature	old shell	43.1118431	1	7.90462917
	1978	female	immature	new shell	23.7751	1	11.8271909
	1978	female	mature	new shell	91.2146027	1	2.94041654
	1978	female	mature	old shell	89.643704	1	3.65178911
	1979	female	immature	new shell	37.6435565	1	6.07343198
	1979	female	mature	new shell	21.2315385	1	16.132578
	1979	female	mature	old shell	48.9654464	1	6.28167681
	1980	female	immature	new shell	112.186245	1	3.1435792
	1980	female	mature	new shell	8.71951497	1	26.3883816
	1980	female	mature	old shell	42.1373147	1	5.85878418
	1981	female	immature	new shell	27.9473957	1	16.0748655
	1981	female	mature	new shell	7.64360984	1	43.0803628
	1981	female	mature	old shell	169.712607	1	4.40440152
	1982	female	immature	new shell	44.5225064	1	16.2287482
	1982	female	mature	new shell	7.44666027	1	32.4763742

1982	female	mature	old shell	22.06625	1	12.0386064
1983	female	immature	new shell	36.8537059	1	8.91830034
1983	female	mature	new shell	61.542591	1	6.08837638
1983	female	mature	old shell	61.0151771	1	4.38258595
1984	female	immature	new shell	29.0899016	1	7.19259402
1984	female	mature	new shell	25.8672732	1	8.57171552
1984	female	mature	old shell	207.65215	1	2.01394108
1985	female	immature	new shell	87.3198898	1	5.07911188
1985	female	mature	new shell	13.8127918	1	33.939832
1985	female	mature	old shell	222.168303	1	2.14534379
1986	female	immature	new shell	27.5558839	1	12.8350366
1986	female	mature	new shell	8.51982497	1	28.8175279
1986	female	mature	old shell	39.6321975	1	7.78289899
1987	female	immature	new shell	13.3830674	1	49.0471415
1987	female	mature	new shell	37.4959566	1	10.3846371
1987	female	mature	old shell	26.1996775	1	14.9057635
1988	female	immature	new shell	51.4311787	1	11.7109137
1988	female	mature	new shell	12.95829	1	27.4196189
1988	female	mature	old shell	41.9911981	1	9.09498607
1989	female	immature	new shell	64.118557	1	3.83667766
1989	female	mature	new shell	23.8942232	1	13.3472092
1989	female	mature	old shell	41.1014845	1	10.7059533
1990	female	immature	new shell	57.4400424	1	6.06812926
1990	female	mature	new shell	169.334319	1	2.22804022
1990	female	mature	old shell	36.2143114	1	10.8863395
1991	female	immature	new shell	18.5013822	1	16.1460717
1991	female	mature	new shell	93.7879803	1	2.98499042
1991	female	mature	old shell	154.75094	1	3.14060219
1992	female	immature	new shell	28.2608498	1	14.1928221
1992	female	mature	new shell	50.7836524	1	7.29546638
1992	female	mature	old shell	185.857218	1	2.25966717
1993	female	immature	new shell	62.9093346	1	7.1304319
1993	female	mature	new shell	21.8040762	1	12.5793478
1993	female	mature	old shell	247.109027	1	1.31561141
1994	female	immature	new shell	28.2526775	1	10.764014
1994	female	mature	new shell	34.1430843	1	10.8104694
1994	female	mature	old shell	491.746945	1	1.06722108
1995	female	immature	new shell	68.7295606	1	6.70892085
1995	female	mature	new shell	34.3452875	1	12.1958462
1995	female	mature	old shell	602.766204	1	0.5880434
1996	female	immature	new shell	58.4595404	1	8.40344587

1996	female	mature	new shell	31.1656609	1	9.80705621
1996	female	mature	old shell	286.453592	1	1.27004307
1997	female	immature	new shell	54.4485493	1	4.52659477
1997	female	mature	new shell	103.373212	1	3.3595171
1997	female	mature	old shell	218.595809	1	2.10506305
1998	female	immature	new shell	175.801469	1	1.99697085
1998	female	mature	new shell	66.2097773	1	6.07444779
1998	female	mature	old shell	259.696868	1	2.67136371
1999	female	immature	new shell	78.923843	1	4.5769233
1999	female	mature	new shell	19.4114158	1	12.2394042
1999	female	mature	old shell	151.314467	1	2.59149069
2000	female	immature	new shell	74.3597903	1	3.13554216
2000	female	mature	new shell	65.55546	1	4.26513981
2000	female	mature	old shell	34.2848217	1	10.2089861
2001	female	immature	new shell	156.575567	1	2.25824641
2001	female	mature	new shell	149.182379	1	5.31695265
2001	female	mature	old shell	72.0979735	1	4.18232979
2002	female	immature	new shell	47.9107285	1	5.78625946
2002	female	mature	new shell	38.0880979	1	8.38741358
2002	female	mature	old shell	101.022286	1	2.87390378
2003	female	immature	new shell	66.2342816	1	4.90792891
2003	female	mature	new shell	107.225344	1	3.42004098
2003	female	mature	old shell	41.5648769	1	10.048334
2004	female	immature	new shell	80.2622073	1	5.2167536
2004	female	mature	new shell	170.116111	1	1.63118557
2004	female	mature	old shell	41.3242341	1	10.6047998
2005	female	immature	new shell	283.488822	1	1.79123424
2005	female	mature	new shell	151.749112	1	4.28049974
2005	female	mature	old shell	229.90513	1	3.1957639
2006	female	immature	new shell	49.5583662	1	8.09750499
2006	female	mature	new shell	278.633152	1	1.99961072
2006	female	mature	old shell	105.938747	1	4.16221843
2007	female	immature	new shell	190.818003	1	2.50592136
2007	female	mature	new shell	68.197238	1	6.53348071
2007	female	mature	old shell	722.354067	1	0.79077124
2008	female	immature	new shell	83.0552135	1	4.7473022
2008	female	mature	new shell	87.0258042	1	5.03479792
2008	female	mature	old shell	420.406988	1	1.39566907
2009	female	immature	new shell	24.536122	1	9.42941785
2009	female	mature	new shell	41.32332	1	5.24309044
2009	female	mature	old shell	349.838352	1	1.06719987

	2010	female	immature	new shell	87.6992979	1	5.16614294
	2010	female	mature	new shell	211.406134	1	1.97488094
	2010	female	mature	old shell	905.961229	1	0.94264448
	2011	female	immature	new shell	81.4954488	1	5.47962203
	2011	female	mature	new shell	31.1788165	1	7.39030384
	2011	female	mature	old shell	293.813182	1	2.11722682
	2012	female	immature	new shell	47.8498617	1	7.9786836
	2012	female	mature	new shell	47.1127146	1	5.36509917
	2012	female	mature	old shell	287.210094	1	1.31201114
	2013	female	immature	new shell	96.8086817	1	4.63245465
	2013	female	mature	new shell	388.268288	1	0.91670409
	2013	female	mature	old shell	66.0194068	1	4.72786604
	2014	female	immature	new shell	20.2891558	1	18.9997042
	2014	female	mature	new shell	50.2878358	1	4.4794779
	2014	female	mature	old shell	84.8155229	1	4.15745968
	2015	female	immature	new shell	83.3501889	1	5.05260992
	2015	female	mature	new shell	17.1749099	1	14.1551481
	2015	female	mature	old shell	99.8985334	1	3.42997843
	2016	female	immature	new shell	47.6394949	1	8.95279097
	2016	female	mature	new shell	77.2834641	1	7.6518833
	2016	female	mature	old shell	45.9870039	1	5.92997067
	2017	female	immature	new shell	16.0931791	1	12.4212859
	2017	female	mature	new shell	23.5338348	1	19.10698
	2017	female	mature	old shell	77.0997497	1	2.98261765
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.18710993	20	0.66519237
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	26.7834583	1	12.7233604
	1981	male	all maturity st	all shell condi	1178.33186	1	0.65919659
	1982	male	all maturity st	all shell condi	428.935725	1	2.28483917
	1983	male	all maturity st	all shell condi	55.6500411	1	1.38145251
	1984	male	all maturity st	all shell condi	314.086243	1	0.80160029
	1988	male	all maturity st	all shell condi	66.3365211	1	8.01282787
	1989	male	all maturity st	all shell condi	228.889448	1	0.86592451
	1990	male	all maturity st	all shell condi	68.547834	1	10.4461958
	1991	male	all maturity st	all shell condi	391.385267	1	2.84965283
	1992	male	all maturity st	all shell condi	84.5678835	1	14.3239093
	1993	male	all maturity st	all shell condi	160.611257	1	6.92842866
	1994	male	all maturity st	all shell condi	134.541525	1	10.5799703
	1995	male	all maturity st	all shell condi	206.565408	1	0.61939412

	1996	male	all maturity st	all shell condi	201.447607	1	1.30358478
	2005	male	all maturity st	all shell condi	15.0044253	1	1.43699411
	2006	male	all maturity st	all shell condi	183.1351	1	0.90168756
	2007	male	all maturity st	all shell condi	790.693136	1	1.25793674
	2008	male	all maturity st	all shell condi	368.536402	1	0.87018523
	2009	male	all maturity st	all shell condi	75.0625952	1	1.15252126
	2013	male	all maturity st	all shell condi	567.823086	1	0.52558744
	2014	male	all maturity st	all shell condi	269.599371	1	3.26139598
	2015	male	all maturity st	all shell condi	188.428127	1	7.90936059
all		male	all maturity st	all shell condi	0.20006721	20	0.26017479
all		female	all maturity st	all shell condi	0.59791855	20	2.32379285
	1991	male	all maturity st	all shell condi	1120.09165	1	1.40731739
	1991	female	all maturity st	all shell condi	267.057287	1	1.45444556
	1992	male	all maturity st	all shell condi	101.515752	1	23.8608189
	1992	female	all maturity st	all shell condi	980.288258	1	0.35518123
	1993	male	all maturity st	all shell condi	219.775787	1	10.5965784
	1993	female	all maturity st	all shell condi	391.951998	1	0.63465744
	1994	male	all maturity st	all shell condi	1349.99711	1	0.85390204
	1994	female	all maturity st	all shell condi	67.9434122	1	1.42168734
	1995	male	all maturity st	all shell condi	135.394705	1	2.00587472
	1995	female	all maturity st	all shell condi	107.342225	1	0.97224931
	1996	male	all maturity st	all shell condi	24.7556821	1	1.69220415
	1996	female	all maturity st	all shell condi	158.032063	1	0.07111564
	2005	male	all maturity st	all shell condi	110.659044	1	14.7659426
	2005	female	all maturity st	all shell condi	39.0465725	1	1.03101991
	2006	male	all maturity st	all shell condi	351.038172	1	5.26743867
	2006	female	all maturity st	all shell condi	285.460111	1	0.87648173
	2007	male	all maturity st	all shell condi	422.70293	1	5.96150798
	2007	female	all maturity st	all shell condi	337.215189	1	0.33650245
	2008	male	all maturity st	all shell condi	769.717835	1	4.99995782
	2008	female	all maturity st	all shell condi	43.245801	1	0.34349746
	2009	male	all maturity st	all shell condi	161.555186	1	7.96721049
	2009	female	all maturity st	all shell condi	24.8540386	1	0.1692165
	2013	male	all maturity st	all shell condi	2477.19131	1	1.41728743
	2013	female	all maturity st	all shell condi	67.1346664	1	0.50357001
	2014	male	all maturity st	all shell condi	238.857801	1	10.6283936
	2014	female	all maturity st	all shell condi	151.31934	1	0.2645927
	2015	male	all maturity st	all shell condi	142.015215	1	13.7955725
	2015	female	all maturity st	all shell condi	74.8780035	1	1.22741257
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0

all		male	all maturity st	all shell condi	0.0847241	20	0.08972716
all		female	all maturity st	all shell condi	0.29562181	20	1.09240315
	1992	male	all maturity st	all shell condi	183.68964	1	2.27101078
	1992	female	all maturity st	all shell condi	18.3858972	1	1.02475223
	1993	male	all maturity st	all shell condi	321.3887	1	0.72656798
	1993	female	all maturity st	all shell condi	31.6741083	1	1.26255253
	1994	male	all maturity st	all shell condi	182.189006	1	0.70766469
	1994	female	all maturity st	all shell condi	38.30391	1	1.98471856
	1995	male	all maturity st	all shell condi	160.798124	1	0.48153051
	1995	female	all maturity st	all shell condi	40.3915957	1	0.31454923
	1996	male	all maturity st	all shell condi	53.3917908	1	3.38190357
	1996	female	all maturity st	all shell condi	45.2560399	1	0.47178697
	1997	male	all maturity st	all shell condi	652.086454	1	0.67649653
	1997	female	all maturity st	all shell condi	115.782549	1	0.19548492
	1998	male	all maturity st	all shell condi	558.42664	1	0.32017739
	1998	female	all maturity st	all shell condi	19.9549539	1	0.35348389
	1999	male	all maturity st	all shell condi	202.329776	1	0.28940704
	1999	female	all maturity st	all shell condi	28.8873093	1	0.07083343
	2000	male	all maturity st	all shell condi	276.651908	1	0.26556366
	2000	female	all maturity st	all shell condi	35.3453607	1	0.08599987
	2001	male	all maturity st	all shell condi	910.790948	1	0.27681094
	2001	female	all maturity st	all shell condi	150.06278	1	0.04802095
	2002	male	all maturity st	all shell condi	54.8497869	1	0.82735888
	2002	female	all maturity st	all shell condi	46.2972624	1	0.06737717
	2003	male	all maturity st	all shell condi	88.8454038	1	0.43977812
	2003	female	all maturity st	all shell condi	43.6523283	1	0.10564907
	2004	male	all maturity st	all shell condi	20.8742934	1	1.97219744
	2004	female	all maturity st	all shell condi	32.0627216	1	0.84615413
	2005	male	all maturity st	all shell condi	109.77373	1	4.87412575
	2005	female	all maturity st	all shell condi	143.57207	1	0.14748096
	2006	male	all maturity st	all shell condi	73.2226587	1	6.09091946
	2006	female	all maturity st	all shell condi	44.4043091	1	1.16710945
	2007	male	all maturity st	all shell condi	294.807694	1	2.63933143
	2007	female	all maturity st	all shell condi	47.3973996	1	0.40558457
	2008	male	all maturity st	all shell condi	81.3545397	1	7.94588189
	2008	female	all maturity st	all shell condi	14.3787664	1	2.31143043
	2009	male	all maturity st	all shell condi	417.81405	1	2.14797668
	2009	female	all maturity st	all shell condi	22.3646607	1	0.91948561
	2010	male	all maturity st	all shell condi	332.287614	1	1.42333751
	2010	female	all maturity st	all shell condi	79.8958702	1	0.18838431
	2011	male	all maturity st	all shell condi	183.220938	1	3.71412027

	2011	female	all maturity st	all shell condi	55.8329599	1	0.17957654
	2012	male	all maturity st	all shell condi	121.051773	1	3.82799075
	2012	female	all maturity st	all shell condi	53.2186363	1	0.16532973
	2013	male	all maturity st	all shell condi	273.007234	1	2.46844442
	2013	female	all maturity st	all shell condi	180.34955	1	0.09427307
	2014	male	all maturity st	all shell condi	405.516688	1	3.15280153
	2014	female	all maturity st	all shell condi	66.1209319	1	0.43989003
	2015	male	all maturity st	all shell condi	516.100162	1	1.86501826
	2015	female	all maturity st	all shell condi	111.686978	1	0.09687319
	2016	male	all maturity st	all shell condi	354.581104	1	2.91025721
	2016	female	all maturity st	all shell condi	110.476762	1	0.09985126
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.06399093	20	0.09008647
	1973	male	all maturity st	all shell condi	474.049989	1	-1.9087437
	1973	female	all maturity st	all shell condi	169.125225	1	4.87571328
	1974	male	all maturity st	all shell condi	107.84519	1	1.6233028
	1974	female	all maturity st	all shell condi	217.162814	1	2.93511094
	1975	male	all maturity st	all shell condi	93.5138052	1	0.69916363
	1975	female	all maturity st	all shell condi	157.886802	1	1.99011138
	1976	male	all maturity st	all shell condi	80.690007	1	-1.828391
	1976	female	all maturity st	all shell condi	111.10503	1	21.3720763
	1977	male	all maturity st	all shell condi	165.891228	1	-1.5069948
	1977	female	all maturity st	all shell condi	247.367307	1	15.4927483
	1978	male	all maturity st	all shell condi	229.97349	1	-4.0663883
	1978	female	all maturity st	all shell condi	137.724702	1	25.881901
	1979	male	all maturity st	all shell condi	717.019819	1	-6.5023779
	1979	female	all maturity st	all shell condi	353.49525	1	13.6106397
	1980	male	all maturity st	all shell condi	561.712027	1	3.11153873
	1980	female	all maturity st	all shell condi	999.937467	1	2.29516211
	1981	male	all maturity st	all shell condi	510.556602	1	-4.5846388
	1981	female	all maturity st	all shell condi	64.8711798	1	13.3937487
	1982	male	all maturity st	all shell condi	344.712427	1	4.32250905
	1982	female	all maturity st	all shell condi	70.5743166	1	21.7747569
	1983	male	all maturity st	all shell condi	608.318273	1	18.2158178
	1983	female	all maturity st	all shell condi	194.360048	1	-5.149427
	1984	male	all maturity st	all shell condi	771.484081	1	22.6890282
	1984	female	all maturity st	all shell condi	420.130882	1	-10.782474
	1985	male	all maturity st	all shell condi	227.43115	1	17.4560265
	1985	female	all maturity st	all shell condi	338.827047	1	-1.6958158
	1986	male	all maturity st	all shell condi	217.442862	1	14.071086
	1986	female	all maturity st	all shell condi	119.971363	1	3.50440482

1987	male	all maturity st	all shell condi	233.753921	1	20.8845432
1987	female	all maturity st	all shell condi	680.312909	1	0.01805482
1988	male	all maturity st	all shell condi	230.480635	1	8.18054178
1988	female	all maturity st	all shell condi	204.279257	1	9.01459986
1989	male	all maturity st	all shell condi	373.392015	1	4.52587246
1989	female	all maturity st	all shell condi	1015.94258	1	11.9251605
1990	male	all maturity st	all shell condi	922.721608	1	16.8326413
1990	female	all maturity st	all shell condi	363.331197	1	-8.9328951
1991	male	all maturity st	all shell condi	290.322418	1	1.11893732
1991	female	all maturity st	all shell condi	185.388184	1	7.31100086
1992	male	all maturity st	all shell condi	147.076893	1	6.1705107
1992	female	all maturity st	all shell condi	62.039706	1	3.72493092
1993	male	all maturity st	all shell condi	69.2349073	1	4.15310716
1993	female	all maturity st	all shell condi	110.112791	1	-0.4780706
1994	male	all maturity st	all shell condi	296.770853	1	2.40799564
1994	female	all maturity st	all shell condi	348.870674	1	0.94549362
1995	male	all maturity st	all shell condi	52.7942501	1	13.9930052
1995	female	all maturity st	all shell condi	54.2840767	1	5.27205427
1996	male	all maturity st	all shell condi	170.361683	1	13.4925412
1996	female	all maturity st	all shell condi	428.802713	1	-4.7292961
1997	male	all maturity st	all shell condi	58.4446254	1	20.0233512
1997	female	all maturity st	all shell condi	167.692498	1	5.32266768
1998	male	all maturity st	all shell condi	161.395845	1	7.30896847
1998	female	all maturity st	all shell condi	266.217744	1	7.18321599
1999	male	all maturity st	all shell condi	373.26845	1	5.47123818
1999	female	all maturity st	all shell condi	920.076086	1	2.58654902
2000	male	all maturity st	all shell condi	307.956968	1	6.56635953
2000	female	all maturity st	all shell condi	500.753404	1	0.96395603
2001	male	all maturity st	all shell condi	750.418985	1	8.36259967
2001	female	all maturity st	all shell condi	1189.66937	1	-3.3937467
2002	male	all maturity st	all shell condi	493.027453	1	9.22364935
2002	female	all maturity st	all shell condi	882.749554	1	-0.1060953
2003	male	all maturity st	all shell condi	206.068703	1	4.24511738
2003	female	all maturity st	all shell condi	316.084568	1	4.92977373
2004	male	all maturity st	all shell condi	100.185569	1	-1.3711139
2004	female	all maturity st	all shell condi	30.0621634	1	41.3694162
2005	male	all maturity st	all shell condi	1649.30776	1	3.82924234
2005	female	all maturity st	all shell condi	1654.52504	1	1.05487211
2006	male	all maturity st	all shell condi	170.350792	1	13.3945977
2006	female	all maturity st	all shell condi	178.882576	1	2.45610864
2007	male	all maturity st	all shell condi	173.386914	1	10.1489612

	2007	female	all maturity st	all shell condi	104.274529	1	8.24155503
	2008	male	all maturity st	all shell condi	164.662274	1	26.9121875
	2008	female	all maturity st	all shell condi	215.766009	1	-9.1776648
	2009	male	all maturity st	all shell condi	271.857912	1	14.2689248
	2009	female	all maturity st	all shell condi	463.337458	1	-6.9999005
	2010	male	all maturity st	all shell condi	452.368944	1	7.29268442
	2010	female	all maturity st	all shell condi	1190.19652	1	-3.0480449
	2011	male	all maturity st	all shell condi	96.4104471	1	9.98909908
	2011	female	all maturity st	all shell condi	76.6758964	1	18.9402633
	2012	male	all maturity st	all shell condi	286.817184	1	-6.2854784
	2012	female	all maturity st	all shell condi	128.009483	1	13.1045927
	2013	male	all maturity st	all shell condi	252.526975	1	2.08863792
	2013	female	all maturity st	all shell condi	607.850311	1	9.72744131
	2014	male	all maturity st	all shell condi	727.353968	1	10.4668299
	2014	female	all maturity st	all shell condi	759.211072	1	-5.9193778
	2015	male	all maturity st	all shell condi	195.970156	1	16.6663373
	2015	female	all maturity st	all shell condi	287.823608	1	1.02224136
	2016	male	all maturity st	all shell condi	178.648642	1	-2.2775393
	2016	female	all maturity st	all shell condi	55.4052418	1	25.0034474
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.16729817	20	0.32186978
all		female	all maturity st	all shell condi	0.01022772	20	0.00120297
	1992	male	all maturity st	all shell condi	44.5657091	1	2.12850912
	1992	female	all maturity st	all shell condi	75.0015007	1	0.12974237
	1993	male	all maturity st	all shell condi	67.7673785	1	4.61884467
	1993	female	all maturity st	all shell condi	301.275332	1	0.24801267
	1996	male	all maturity st	all shell condi	23.0439393	1	0.26275729
	1996	female	all maturity st	all shell condi	3.44483949	1	0.03193646
	1997	male	all maturity st	all shell condi	30.0434339	1	1.60181275
	1997	female	all maturity st	all shell condi	24.8431328	1	0.06301298
	1998	male	all maturity st	all shell condi	80.9186819	1	0.30591443
	1998	female	all maturity st	all shell condi	21.2118763	1	0.07011513
	1999	male	all maturity st	all shell condi	50.3971586	1	0.30604638
	1999	female	all maturity st	all shell condi	18.6399316	1	0.02700592
	2000	male	all maturity st	all shell condi	146.431268	1	0.71026199
	2000	female	all maturity st	all shell condi	43.3771903	1	0.06288737
	2001	male	all maturity st	all shell condi	105.129426	1	0.33340947
	2001	female	all maturity st	all shell condi	53.3083075	1	0.03363363
	2002	male	all maturity st	all shell condi	101.634723	1	0.52467529
	2002	female	all maturity st	all shell condi	41.4409052	1	0.04529527

2003	male	all maturity st	all shell condi	80.7666545	1	0.52117981
2003	female	all maturity st	all shell condi	52.4552122	1	0.09504165
2004	male	all maturity st	all shell condi	39.8613401	1	0.69245536
2004	female	all maturity st	all shell condi	22.6160438	1	0.05370444
2005	male	all maturity st	all shell condi	45.0158504	1	1.69767737
2005	female	all maturity st	all shell condi	13.1673206	1	0.16783558
2006	male	all maturity st	all shell condi	22.8632579	1	2.15857277
2006	female	all maturity st	all shell condi	26.7195741	1	0.25514961
2007	male	all maturity st	all shell condi	95.9148951	1	1.175547
2007	female	all maturity st	all shell condi	103.82254	1	0.08765077
2008	male	all maturity st	all shell condi	70.9523634	1	2.71091908
2008	female	all maturity st	all shell condi	106.496982	1	0.11216266
2009	male	all maturity st	all shell condi	24.59389	1	6.05516549
2009	female	all maturity st	all shell condi	128.061766	1	0.04733871
2010	male	all maturity st	all shell condi	53.2844099	1	0.87495061
2010	female	all maturity st	all shell condi	35.7248719	1	0.04551558
2011	male	all maturity st	all shell condi	71.5156785	1	0.35703843
2011	female	all maturity st	all shell condi	5.44235932	1	0.02142729
2012	male	all maturity st	all shell condi	83.0545969	1	0.58672287
2012	female	all maturity st	all shell condi	6.45439332	1	0.23211964
2013	male	all maturity st	all shell condi	65.037797	1	1.79170022
2013	female	all maturity st	all shell condi	9.5360544	1	0.18173085
2014	male	all maturity st	all shell condi	139.091956	1	1.44260076
2014	female	all maturity st	all shell condi	21.4875942	1	0.07233729
2015	male	all maturity st	all shell condi	168.504808	1	0.89821001
2015	female	all maturity st	all shell condi	99.9919353	1	0.07307861
2016	male	all maturity st	all shell condi	22.445801	1	7.89217855
2016	female	all maturity st	all shell condi	20.1519212	1	0.50462102
2015	male	immature	new shell	0.66332546	1	100.868632
2016	male	immature	new shell	0.66332546	1	116.157523
2015	female	immature	new shell	0.48040554	1	78.892953
2016	female	immature	new shell	0.48040554	1	69.7275574
1994	male	immature	new shell	0.67359428	0	13.8693048
1995	male	immature	new shell	0.67359428	0	32.8544612
1996	male	immature	new shell	0.67359428	0	369.994593
1997	male	immature	new shell	0.67359428	0	516.474836
1998	male	immature	new shell	0.67359428	0	549.029618
1999	male	immature	new shell	0.67359428	0	467.970845
2000	male	immature	new shell	0.67359428	0	754.310366
2001	male	immature	new shell	0.67359428	0	909.221489
2002	male	immature	new shell	0.67359428	0	845.081377

2003	male	immature	new shell	0.67359428	0	291.121759
2004	male	immature	new shell	0.67359428	0	184.133196
2005	male	immature	new shell	0.67359428	0	102.587039
2006	male	immature	new shell	0.67359428	0	12.3131539
2011	male	immature	new shell	0.67359428	0	2.10116139
2012	male	immature	new shell	0.67359428	0	3.1951651
1994	female	immature	new shell	0.60832425	0	17.811436
1995	female	immature	new shell	0.60832425	0	18.2708793
1996	female	immature	new shell	0.60832425	0	231.538564
1997	female	immature	new shell	0.60832425	0	180.899024
1998	female	immature	new shell	0.60832425	0	249.582319
1999	female	immature	new shell	0.60832425	0	362.681684
2000	female	immature	new shell	0.60832425	0	666.430768
2001	female	immature	new shell	0.60832425	0	596.204598
2002	female	immature	new shell	0.60832425	0	327.377365
2003	female	immature	new shell	0.60832425	0	97.0488579
2004	female	immature	new shell	0.60832425	0	107.881562
2005	female	immature	new shell	0.60832425	0	23.5657187
2006	female	immature	new shell	0.60832425	0	7.14907766
2012	female	immature	new shell	0.60832425	0	2.3035949
1990	male		new shell	7.178159	1	66.959988
1991	male		new shell	7.178159	1	69.1449345
1992	male		new shell	7.178159	1	18.089693
1993	male		new shell	7.178159	1	32.6869934
1994	male		new shell	7.178159	1	22.3395289
1995	male		new shell	7.178159	1	13.8814752
1997	male		new shell	7.178159	1	9.36201625
1998	male		new shell	7.178159	1	28.1169381
1999	male		new shell	7.178159	1	10.9845662
2000	male		new shell	7.178159	1	24.5273112
2001	male		new shell	7.178159	1	29.942251
2002	male		new shell	7.178159	1	21.1836432
2003	male		new shell	7.178159	1	13.3750079
2004	male		new shell	7.178159	1	18.6337082
2005	male		new shell	7.178159	1	66.9891029
2008	male		new shell	7.178159	1	57.1080634
2010	male		new shell	7.178159	1	78.8910559
2012	male		new shell	7.178159	1	15.7120935
2014	male		new shell	7.178159	1	27.6107454
2016	male		new shell	7.178159	1	35.4856226
2017	male		new shell	7.178159	1	19.9914794

all		male	immature	new shell	0.09975135	1	1016.75636
all		male	mature	new shell	0.09975135	1	1016.75636
all		male	immature	old shell	0.09975135	1	1016.75636
all		male	mature	old shell	0.09975135	1	1016.75636
all		female	immature	new shell	0.09975135	1	1016.75636
all		female	mature	new shell	0.09975135	1	1016.75636
all		female	immature	old shell	0.09975135	1	1016.75636
all		female	mature	old shell	0.09975135	1	1016.75636
all		male	immature	new shell	0.09975135	1	505.628645
all		male	mature	new shell	0.09975135	1	505.628645
all		male	immature	old shell	0.09975135	1	505.628645
all		male	mature	old shell	0.09975135	1	505.628645
all		female	immature	new shell	0.09975135	1	505.628645
all		female	mature	new shell	0.09975135	1	505.628645
all		female	immature	old shell	0.09975135	1	505.628645
all		female	mature	old shell	0.09975135	1	505.628645
all		male	immature	all shell condi	2.62738809	0	148.418115
all		male	mature	all shell condi	2.08328291	0	93.3114552
all		female	immature	all shell condi	2.50317596	0	134.716632
all		female	mature	all shell condi	2.14426117	0	98.8539034
all		male	mature	all shell condi	2.03300584	0	88.8619237
all		female	mature	all shell condi	2.09694572	0	94.5393995
	1975	male	immature	all shell condi	736.10353	0	5.06795498
	1975	male	mature	all shell condi	67.9726039	0	54.5573514
	1975	female	immature	all shell condi	221.247999	0	3.42287092
	1975	female	mature	all shell condi	96.6078378	0	-13.675842
	1976	male	immature	all shell condi	399.16683	0	11.4516359
	1976	male	mature	all shell condi	225.146449	0	3.63980329
	1976	female	immature	all shell condi	97.4932498	0	20.5061266
	1976	female	mature	all shell condi	153.797694	0	-10.166994
	1977	male	immature	all shell condi	150.044803	0	9.30752697
	1977	male	mature	all shell condi	200.053221	0	-7.8889441
	1977	female	immature	all shell condi	28.7402832	0	50.4253793
	1977	female	mature	all shell condi	360.471849	0	-8.3122601
	1978	male	immature	all shell condi	333.759251	0	2.22781771
	1978	male	mature	all shell condi	343.582533	0	1.79160037
	1978	female	immature	all shell condi	58.9465833	0	23.5403415
	1978	female	mature	all shell condi	946.453126	0	-5.2655378
	1979	male	immature	all shell condi	118.526982	0	18.7613503
	1979	male	mature	all shell condi	284.250786	0	-6.8023292
	1979	female	immature	all shell condi	328.815363	0	-2.6396539

1979	female	mature	all shell condi	77.516062	0	21.5643186
1980	male	immature	all shell condi	76.7366851	0	32.965012
1980	male	mature	all shell condi	144.022002	0	-11.810479
1980	female	immature	all shell condi	799.274829	0	2.73962727
1980	female	mature	all shell condi	46.9144817	0	18.2120103
1981	male	immature	all shell condi	456.719975	0	8.02302703
1981	male	mature	all shell condi	255.959594	0	-11.896434
1981	female	immature	all shell condi	182.220819	0	-4.3391979
1981	female	mature	all shell condi	22.6661224	0	63.6695912
1982	male	immature	all shell condi	199.084183	0	-13.673961
1982	male	mature	all shell condi	203.073363	0	-14.04378
1982	female	immature	all shell condi	157.144166	0	-6.6318345
1982	female	mature	all shell condi	6.42455546	0	144.479327
1983	male	immature	all shell condi	113.760563	0	11.8238774
1983	male	mature	all shell condi	267.61059	0	-7.598333
1983	female	immature	all shell condi	94.8262354	0	16.5268618
1983	female	mature	all shell condi	114.058369	0	17.3138109
1984	male	immature	all shell condi	260.294079	0	-10.831834
1984	male	mature	all shell condi	275.393617	0	11.3238945
1984	female	immature	all shell condi	135.291143	0	-1.7042975
1984	female	mature	all shell condi	78.4741079	0	28.7218489
1985	male	immature	all shell condi	153.377158	0	-18.920083
1985	male	mature	all shell condi	77.7983703	0	34.8175316
1985	female	immature	all shell condi	89.5036685	0	-18.345896
1985	female	mature	all shell condi	43.2997763	0	44.190699
1986	male	immature	all shell condi	181.556914	0	6.34675776
1986	male	mature	all shell condi	74.3477417	0	28.7268079
1986	female	immature	all shell condi	64.8248949	0	-5.3979589
1986	female	mature	all shell condi	252.7545	0	3.81701554
1987	male	immature	all shell condi	97.4722698	0	7.0418987
1987	male	mature	all shell condi	519.015633	0	9.90924357
1987	female	immature	all shell condi	36.8830772	0	59.8965077
1987	female	mature	all shell condi	390.625631	0	-2.6340343
1988	male	immature	all shell condi	210.560416	0	-1.7634939
1988	male	mature	all shell condi	193.331469	0	19.8862053
1988	female	immature	all shell condi	104.723792	0	-9.5059423
1988	female	mature	all shell condi	62.011854	0	27.5547328
1989	male	immature	all shell condi	355.104727	0	-2.9456949
1989	male	mature	all shell condi	367.670148	0	12.6670972
1989	female	immature	all shell condi	213.630606	0	4.99341158
1989	female	mature	all shell condi	321.30802	0	0.40687512

1990	male	immature	all shell condi	476.107735	0	-9.9395354
1990	male	mature	all shell condi	785.004341	0	2.61234382
1990	female	immature	all shell condi	302.837576	0	1.3302019
1990	female	mature	all shell condi	144.506264	0	21.435103
1991	male	immature	all shell condi	223.947633	0	-0.5982565
1991	male	mature	all shell condi	860.47974	0	-3.0957372
1991	female	immature	all shell condi	136.474118	0	6.02064477
1991	female	mature	all shell condi	322.749158	0	17.1136391
1992	male	immature	all shell condi	520.204038	0	5.06061595
1992	male	mature	all shell condi	339.77725	0	3.76690662
1992	female	immature	all shell condi	306.704981	0	3.29149391
1992	female	mature	all shell condi	3388.95479	0	1.96218865
1993	male	immature	all shell condi	528.381112	0	14.258854
1993	male	mature	all shell condi	551.134444	0	3.25300362
1993	female	immature	all shell condi	550.969367	0	3.97354585
1993	female	mature	all shell condi	358.703959	0	-11.734509
1994	male	immature	all shell condi	302.953848	0	9.30883119
1994	male	mature	all shell condi	844.143934	0	-3.5262931
1994	female	immature	all shell condi	78.8434405	0	18.9855093
1994	female	mature	all shell condi	643.393493	0	-9.5088561
1995	male	immature	all shell condi	326.181033	0	-6.3116065
1995	male	mature	all shell condi	612.085552	0	1.76835274
1995	female	immature	all shell condi	304.402869	0	-4.0103691
1995	female	mature	all shell condi	118.814617	0	25.8186692
1996	male	immature	all shell condi	431.282994	0	-6.1446706
1996	male	mature	all shell condi	608.056934	0	7.63856574
1996	female	immature	all shell condi	220.686604	0	-4.0112572
1996	female	mature	all shell condi	205.333656	0	16.7546311
1997	male	immature	all shell condi	304.347387	0	2.74459489
1997	male	mature	all shell condi	2131.79854	0	-2.6723271
1997	female	immature	all shell condi	99.6839506	0	18.8135041
1997	female	mature	all shell condi	921.906228	0	-5.5963517
1998	male	immature	all shell condi	134.534352	0	14.2414573
1998	male	mature	all shell condi	2093.56542	0	-1.2083812
1998	female	immature	all shell condi	222.554502	0	17.4249526
1998	female	mature	all shell condi	189.961592	0	-9.8939518
1999	male	immature	all shell condi	161.033357	0	10.7141005
1999	male	mature	all shell condi	882.908236	0	2.52753529
1999	female	immature	all shell condi	202.105432	0	9.00420422
1999	female	mature	all shell condi	463.771005	0	-4.9003573
2000	male	immature	all shell condi	155.685064	0	6.20929504

2000	male	mature	all shell condi	1360.82916	0	5.45295577
2000	female	immature	all shell condi	246.510748	0	3.37256654
2000	female	mature	all shell condi	423.32559	0	-1.8279836
2001	male	immature	all shell condi	231.095214	0	11.7402158
2001	male	mature	all shell condi	917.699049	0	-4.4987469
2001	female	immature	all shell condi	259.611949	0	14.4997348
2001	female	mature	all shell condi	407.987625	0	-5.062411
2002	male	immature	all shell condi	134.881902	0	7.87175712
2002	male	mature	all shell condi	1694.77565	0	-1.959532
2002	female	immature	all shell condi	93.9505784	0	19.8813359
2002	female	mature	all shell condi	898.506615	0	-3.8985695
2003	male	immature	all shell condi	320.766916	0	4.57238868
2003	male	mature	all shell condi	1951.47454	0	1.39570183
2003	female	immature	all shell condi	230.521283	0	-1.602538
2003	female	mature	all shell condi	255.815443	0	9.53668159
2004	male	immature	all shell condi	203.463759	0	2.33731521
2004	male	mature	all shell condi	486.006239	0	12.1665465
2004	female	immature	all shell condi	169.620577	0	13.0496272
2004	female	mature	all shell condi	307.700519	0	-4.5483716
2005	male	immature	all shell condi	332.893605	0	-0.0599077
2005	male	mature	all shell condi	1529.15474	0	-4.1864014
2005	female	immature	all shell condi	189.893597	0	21.138052
2005	female	mature	all shell condi	1787.24874	0	-2.4268055
2006	male	immature	all shell condi	434.661461	0	6.71550887
2006	male	mature	all shell condi	1010.02692	0	2.39306556
2006	female	immature	all shell condi	179.468642	0	12.6171674
2006	female	mature	all shell condi	704.991748	0	-5.1600255
2007	male	immature	all shell condi	276.268471	0	22.0089512
2007	male	mature	all shell condi	609.746865	0	3.73750478
2007	female	immature	all shell condi	1125.07183	0	2.02599478
2007	female	mature	all shell condi	194.955693	0	-11.06033
2008	male	immature	all shell condi	800.426311	0	10.1000202
2008	male	mature	all shell condi	786.028074	0	2.11701373
2008	female	immature	all shell condi	567.984881	0	4.17990357
2008	female	mature	all shell condi	630.253907	0	-6.8200882
2009	male	immature	all shell condi	196.938572	0	4.99370655
2009	male	mature	all shell condi	575.304869	0	5.18191024
2009	female	immature	all shell condi	97.5550329	0	5.12100302
2009	female	mature	all shell condi	1651.47253	0	1.53446818
2010	male	immature	all shell condi	428.26941	0	-0.9491867
2010	male	mature	all shell condi	342.20557	0	14.7386794

	2010	female	immature	all shell condi	211.066169	0	-2.4257063
	2010	female	mature	all shell condi	11531.5444	0	-1.05093
	2011	male	immature	all shell condi	598.141675	0	3.97266155
	2011	male	mature	all shell condi	1752.60286	0	4.17191451
	2011	female	immature	all shell condi	249.674804	0	7.87015646
	2011	female	mature	all shell condi	433.83355	0	-4.7395457
	2012	male	immature	all shell condi	416.348334	0	10.0190322
	2012	male	mature	all shell condi	1228.36871	0	3.57235864
	2012	female	immature	all shell condi	194.422087	0	2.05106036
	2012	female	mature	all shell condi	752.726409	0	-1.9436395
	2013	male	immature	all shell condi	860.590954	0	4.56792493
	2013	male	mature	all shell condi	331.407965	0	7.82037172
	2013	female	immature	all shell condi	516.536557	0	0.07936924
	2013	female	mature	all shell condi	1781.55754	0	-1.0364884
	2014	male	immature	all shell condi	406.385205	0	10.980139
	2014	male	mature	all shell condi	513.16991	0	4.50338598
	2014	female	immature	all shell condi	104.095456	0	14.4533146
	2014	female	mature	all shell condi	438.825812	0	-8.1176023
	2015	male	immature	all shell condi	1076.37248	0	5.45576511
	2015	male	mature	all shell condi	652.402061	0	3.15842526
	2015	female	immature	all shell condi	621.866765	0	2.81098841
	2015	female	mature	all shell condi	333.463381	0	0.73301864
	2016	male	immature	all shell condi	477.834194	0	6.04860998
	2016	male	mature	all shell condi	174.085103	0	22.5724743
	2016	female	immature	all shell condi	406.77068	0	0.85951663
	2016	female	mature	all shell condi	267.573954	0	-6.938488
	2017	male	immature	all shell condi	98.974867	0	-0.1992667
	2017	male	mature	all shell condi	154.147939	0	23.8686884
	2017	female	immature	all shell condi	72.3735233	0	7.31727224
	2017	female	mature	all shell condi	537.72363	0	0.8216136
all		male	all maturity st	new shell	2.68292783	1	154.759188
all		male	all maturity st	old shell	3.37815218	1	245.356111
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
all		male	all maturity st	new shell	2.46919064	1	131.083402
all		male	all maturity st	old shell	2.68749379	1	155.286392
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
	1975	male	all maturity st	new shell	62.6412093	1	29.7777026
	1975	male	all maturity st	old shell	25.3390964	1	43.1846814
	1976	male	all maturity st	new shell	198.509157	1	8.30365057

1976	male	all maturity st	old shell	18.8203204	1	62.2186158
1977	male	all maturity st	new shell	79.2310581	1	15.3467101
1977	male	all maturity st	old shell	66.0180504	1	21.8488842
1978	male	all maturity st	new shell	143.733399	1	9.39425356
1978	male	all maturity st	old shell	48.9995589	1	26.5721677
1979	male	all maturity st	new shell	68.9246214	1	13.3585512
1979	male	all maturity st	old shell	35.6780453	1	35.6840495
1980	male	all maturity st	new shell	48.5100463	1	19.097173
1980	male	all maturity st	old shell	34.8787827	1	35.8870778
1981	male	all maturity st	new shell	64.2971721	1	18.2048276
1981	male	all maturity st	old shell	34.3309945	1	28.0867844
1982	male	all maturity st	new shell	70.1040437	1	17.7005106
1982	male	all maturity st	old shell	240.180258	1	5.66586632
1983	male	all maturity st	new shell	39.0101548	1	26.1902217
1983	male	all maturity st	old shell	63.5223441	1	18.1551101
1984	male	all maturity st	new shell	80.588192	1	7.93841772
1984	male	all maturity st	old shell	44.2821081	1	24.0107666
1985	male	all maturity st	new shell	96.5529466	1	12.2488598
1985	male	all maturity st	old shell	42.7922541	1	27.9952639
1986	male	all maturity st	new shell	57.6724963	1	15.9047106
1986	male	all maturity st	old shell	82.7415702	1	12.9463979
1987	male	all maturity st	new shell	40.5150963	1	19.608595
1987	male	all maturity st	old shell	191.172795	1	9.64129882
1988	male	all maturity st	new shell	65.8814866	1	17.470094
1988	male	all maturity st	old shell	205.042716	1	10.3126925
1989	male	all maturity st	new shell	135.633049	1	10.6240203
1989	male	all maturity st	old shell	383.184079	1	6.97290321
1990	male	all maturity st	new shell	300.908128	1	5.0766368
1990	male	all maturity st	old shell	154.056036	1	9.13734345
1991	male	all maturity st	new shell	135.253106	1	9.09556901
1991	male	all maturity st	old shell	138.851468	1	11.5069778
1992	male	all maturity st	new shell	180.361041	1	7.14109848
1992	male	all maturity st	old shell	74.7044851	1	13.7969162
1993	male	all maturity st	new shell	439.024659	1	2.94906736
1993	male	all maturity st	old shell	155.987632	1	5.90327654
1994	male	all maturity st	new shell	177.686762	1	5.77442348
1994	male	all maturity st	old shell	149.874765	1	6.60143756
1995	male	all maturity st	new shell	97.7015669	1	9.64213615
1995	male	all maturity st	old shell	129.256782	1	8.51006427
1996	male	all maturity st	new shell	127.339495	1	10.8723788
1996	male	all maturity st	old shell	107.049848	1	8.51182798

1997	male	all maturity st	new shell	119.100472	1	8.18344025
1997	male	all maturity st	old shell	348.815141	1	5.76742894
1998	male	all maturity st	new shell	77.9009695	1	10.2479984
1998	male	all maturity st	old shell	252.189506	1	6.35681908
1999	male	all maturity st	new shell	89.415273	1	9.10311391
1999	male	all maturity st	old shell	107.061296	1	11.545023
2000	male	all maturity st	new shell	89.3158787	1	6.4041771
2000	male	all maturity st	old shell	151.551053	1	9.76134933
2001	male	all maturity st	new shell	113.359843	1	9.24403157
2001	male	all maturity st	old shell	268.701518	1	7.86694118
2002	male	all maturity st	new shell	50.3303637	1	15.3510281
2002	male	all maturity st	old shell	367.945417	1	4.79630542
2003	male	all maturity st	new shell	136.595841	1	8.05885908
2003	male	all maturity st	old shell	309.663948	1	6.52869377
2004	male	all maturity st	new shell	93.4157468	1	9.69585441
2004	male	all maturity st	old shell	57.2990035	1	37.7834963
2005	male	all maturity st	new shell	140.193447	1	7.61588025
2005	male	all maturity st	old shell	454.791223	1	5.85908475
2006	male	all maturity st	new shell	140.238764	1	9.16790977
2006	male	all maturity st	old shell	344.967671	1	7.64805656
2007	male	all maturity st	new shell	275.461905	1	6.14519887
2007	male	all maturity st	old shell	219.044207	1	13.424048
2008	male	all maturity st	new shell	445.183123	1	3.40567455
2008	male	all maturity st	old shell	134.381335	1	12.4301823
2009	male	all maturity st	new shell	67.7516427	1	11.0484538
2009	male	all maturity st	old shell	112.495393	1	10.341249
2010	male	all maturity st	new shell	88.5054508	1	12.3049174
2010	male	all maturity st	old shell	166.852244	1	8.03605372
2011	male	all maturity st	new shell	268.916835	1	2.68040182
2011	male	all maturity st	old shell	170.837451	1	8.53227814
2012	male	all maturity st	new shell	250.141563	1	3.36741356
2012	male	all maturity st	old shell	139.400876	1	9.12234945
2013	male	all maturity st	new shell	183.496269	1	6.819531
2013	male	all maturity st	old shell	241.060408	1	9.84642342
2014	male	all maturity st	new shell	224.732743	1	6.89231942
2014	male	all maturity st	old shell	148.485213	1	8.5789514
2015	male	all maturity st	new shell	486.017316	1	4.88159251
2015	male	all maturity st	old shell	186.367251	1	7.40851475
2016	male	all maturity st	new shell	185.329765	1	8.91958566
2016	male	all maturity st	old shell	110.981605	1	11.5261813
2017	male	all maturity st	new shell	26.0106386	1	17.5482721

	2017	male	all maturity s	old shell	97.0659162	1	11.8437793
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.50317596	1	134.716632
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.23828176	1	107.712963
all		female	mature	old shell	2.5017191	1	134.559867
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.26058273	1	109.870037
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.20386472	1	104.425923
all		female	mature	old shell	2.361571	1	119.905878
	1975	female	immature	new shell	23.8896687	1	18.4760279
	1975	female	mature	new shell	85.838566	1	3.74324289
	1975	female	mature	old shell	11.3172647	1	22.0837338
	1976	female	immature	new shell	35.8769294	1	9.4953214
	1976	female	mature	new shell	207.593308	1	2.41189241
	1976	female	mature	old shell	12.2867606	1	22.8221557
	1977	female	immature	new shell	28.6202479	1	10.9679879
	1977	female	mature	new shell	400.337863	1	2.40132653
	1977	female	mature	old shell	42.9008887	1	7.93302889
	1978	female	immature	new shell	23.883282	1	11.7785358
	1978	female	mature	new shell	91.3811516	1	2.92801807
	1978	female	mature	old shell	89.5636631	1	3.6507343
	1979	female	immature	new shell	37.9207507	1	6.00586664
	1979	female	mature	new shell	21.2206082	1	16.1389789
	1979	female	mature	old shell	49.2263894	1	6.25187384
	1980	female	immature	new shell	113.582874	1	3.09769903
	1980	female	mature	new shell	8.75590003	1	26.2612026
	1980	female	mature	old shell	42.7030603	1	5.76852622
	1981	female	immature	new shell	27.5300759	1	16.3640197
	1981	female	mature	new shell	7.61996724	1	43.2326279
	1981	female	mature	old shell	170.641706	1	4.40983644
	1982	female	immature	new shell	44.5749016	1	16.1404506
	1982	female	mature	new shell	7.40036237	1	32.7585577
	1982	female	mature	old shell	21.969638	1	12.1141119

1983	female	immature	new shell	36.6443787	1	8.97260343
1983	female	mature	new shell	61.8796306	1	6.04063195
1983	female	mature	old shell	60.1949918	1	4.44885889
1984	female	immature	new shell	29.201964	1	7.18440112
1984	female	mature	new shell	25.8377511	1	8.58863855
1984	female	mature	old shell	204.151164	1	2.03283731
1985	female	immature	new shell	87.6117767	1	5.05658839
1985	female	mature	new shell	13.8473732	1	33.8669932
1985	female	mature	old shell	221.302211	1	2.1399676
1986	female	immature	new shell	28.3610603	1	12.5289175
1986	female	mature	new shell	8.53461706	1	28.7556754
1986	female	mature	old shell	40.0082756	1	7.70116992
1987	female	immature	new shell	13.5672324	1	48.376199
1987	female	mature	new shell	37.7679275	1	10.3136763
1987	female	mature	old shell	26.3782572	1	14.7976499
1988	female	immature	new shell	52.6260606	1	11.4508605
1988	female	mature	new shell	13.098101	1	27.113613
1988	female	mature	old shell	42.3447505	1	9.01948117
1989	female	immature	new shell	63.0553817	1	3.89863643
1989	female	mature	new shell	24.3119856	1	13.1088462
1989	female	mature	old shell	41.7583613	1	10.5427711
1990	female	immature	new shell	58.8922035	1	5.98426931
1990	female	mature	new shell	167.590448	1	2.25352282
1990	female	mature	old shell	36.9995101	1	10.6556768
1991	female	immature	new shell	18.6553038	1	15.9998401
1991	female	mature	new shell	96.7852526	1	2.88713513
1991	female	mature	old shell	161.118448	1	3.03621768
1992	female	immature	new shell	28.1941241	1	14.1751476
1992	female	mature	new shell	53.1145756	1	7.01164797
1992	female	mature	old shell	186.705662	1	2.24647237
1993	female	immature	new shell	62.7521516	1	7.15793138
1993	female	mature	new shell	21.9902777	1	12.4369571
1993	female	mature	old shell	246.090688	1	1.32567296
1994	female	immature	new shell	28.2672492	1	10.7695705
1994	female	mature	new shell	34.0147188	1	10.8466929
1994	female	mature	old shell	487.53014	1	1.07391393
1995	female	immature	new shell	68.728429	1	6.70289883
1995	female	mature	new shell	34.2636971	1	12.2184728
1995	female	mature	old shell	598.513568	1	0.59207633
1996	female	immature	new shell	58.3937113	1	8.41067258
1996	female	mature	new shell	31.1709585	1	9.80537311

1996	female	mature	old shell	283.968384	1	1.27870482
1997	female	immature	new shell	54.5239901	1	4.5159396
1997	female	mature	new shell	103.146956	1	3.36454268
1997	female	mature	old shell	217.906138	1	2.11207633
1998	female	immature	new shell	176.282898	1	1.99375562
1998	female	mature	new shell	65.8468556	1	6.09473654
1998	female	mature	old shell	257.512962	1	2.68362885
1999	female	immature	new shell	79.5651537	1	4.55603873
1999	female	mature	new shell	19.3636498	1	12.2701611
1999	female	mature	old shell	150.346312	1	2.60025009
2000	female	immature	new shell	74.1586712	1	3.14323287
2000	female	mature	new shell	65.1934594	1	4.28940903
2000	female	mature	old shell	34.1178495	1	10.2467759
2001	female	immature	new shell	156.715037	1	2.25038701
2001	female	mature	new shell	150.044085	1	5.28936347
2001	female	mature	old shell	71.6892364	1	4.20234523
2002	female	immature	new shell	48.0993213	1	5.7573775
2002	female	mature	new shell	38.3354119	1	8.33849452
2002	female	mature	old shell	100.739937	1	2.87145686
2003	female	immature	new shell	66.1441648	1	4.91562245
2003	female	mature	new shell	108.006897	1	3.39605646
2003	female	mature	old shell	41.8006964	1	9.99255426
2004	female	immature	new shell	78.7295076	1	5.29479595
2004	female	mature	new shell	169.700784	1	1.63542292
2004	female	mature	old shell	41.4143208	1	10.5700404
2005	female	immature	new shell	288.187835	1	1.78100317
2005	female	mature	new shell	151.936721	1	4.28520273
2005	female	mature	old shell	230.809774	1	3.18787705
2006	female	immature	new shell	50.1134069	1	7.99941356
2006	female	mature	new shell	279.984121	1	2.00102296
2006	female	mature	old shell	105.858085	1	4.16606634
2007	female	immature	new shell	189.573286	1	2.5248782
2007	female	mature	new shell	68.528467	1	6.53231254
2007	female	mature	old shell	719.832202	1	0.79347418
2008	female	immature	new shell	83.4422897	1	4.725645
2008	female	mature	new shell	86.3347608	1	5.07030708
2008	female	mature	old shell	418.123022	1	1.40419327
2009	female	immature	new shell	24.3975709	1	9.48753558
2009	female	mature	new shell	41.1691091	1	5.26668151
2009	female	mature	old shell	348.310488	1	1.07100988
2010	female	immature	new shell	88.6182967	1	5.13242271

	2010	female	mature	new shell	211.528691	1	1.97684087
	2010	female	mature	old shell	897.46769	1	0.94743647
	2011	female	immature	new shell	82.2626085	1	5.42116032
	2011	female	mature	new shell	31.0435342	1	7.42040955
	2011	female	mature	old shell	293.866028	1	2.1187123
	2012	female	immature	new shell	48.3936495	1	7.87902563
	2012	female	mature	new shell	47.2989658	1	5.34422125
	2012	female	mature	old shell	286.422614	1	1.31423383
	2013	female	immature	new shell	97.0168398	1	4.62535665
	2013	female	mature	new shell	383.239427	1	0.92149469
	2013	female	mature	old shell	66.1585304	1	4.71675689
	2014	female	immature	new shell	20.3107758	1	18.9889095
	2014	female	mature	new shell	50.0794026	1	4.50391491
	2014	female	mature	old shell	85.0284459	1	4.14580051
	2015	female	immature	new shell	83.3710285	1	5.05275761
	2015	female	mature	new shell	17.1441583	1	14.183038
	2015	female	mature	old shell	99.2825976	1	3.44927031
	2016	female	immature	new shell	47.5570314	1	8.97061872
	2016	female	mature	new shell	77.4221141	1	7.64462244
	2016	female	mature	old shell	45.8412815	1	5.95165624
	2017	female	immature	new shell	16.0784962	1	12.4413102
	2017	female	mature	new shell	23.5497927	1	19.0958065
	2017	female	mature	old shell	76.8541714	1	2.99406661
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.16983271	20	0.54801987
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	26.9382952	1	12.716357
	1981	male	all maturity st	all shell condi	1556.73062	1	0.59359897
	1982	male	all maturity st	all shell condi	468.316397	1	2.25601607
	1983	male	all maturity st	all shell condi	51.8641718	1	1.45240864
	1984	male	all maturity st	all shell condi	303.872311	1	0.82345753
	1988	male	all maturity st	all shell condi	72.8080064	1	7.59876592
	1989	male	all maturity st	all shell condi	263.453634	1	0.81164438
	1990	male	all maturity st	all shell condi	70.2654801	1	10.2934717
	1991	male	all maturity st	all shell condi	575.185999	1	2.24444752
	1992	male	all maturity st	all shell condi	75.4408724	1	15.5050259
	1993	male	all maturity st	all shell condi	175.286577	1	6.56066427
	1994	male	all maturity st	all shell condi	134.412409	1	10.3473088
	1995	male	all maturity st	all shell condi	236.300654	1	0.58336723
	1996	male	all maturity st	all shell condi	170.944506	1	1.3728896

	2005	male	all maturity st	all shell condi	15.0538473	1	1.43188915
	2006	male	all maturity st	all shell condi	187.866677	1	0.88635478
	2007	male	all maturity st	all shell condi	790.840219	1	1.24817159
	2008	male	all maturity st	all shell condi	369.10302	1	0.85648694
	2009	male	all maturity st	all shell condi	65.6659257	1	1.23240414
	2013	male	all maturity st	all shell condi	479.289117	1	0.56264011
	2014	male	all maturity st	all shell condi	279.020467	1	3.1721168
	2015	male	all maturity st	all shell condi	195.406016	1	7.6828617
all		male	all maturity st	all shell condi	0.17103149	20	0.19013652
all		female	all maturity st	all shell condi	0.61085627	20	2.42544497
	1991	male	all maturity st	all shell condi	701.254579	1	2.17058878
	1991	female	all maturity st	all shell condi	273.502681	1	1.44118752
	1992	male	all maturity st	all shell condi	97.8630571	1	23.7893967
	1992	female	all maturity st	all shell condi	1028.66619	1	0.34416554
	1993	male	all maturity st	all shell condi	196.191232	1	11.0297867
	1993	female	all maturity st	all shell condi	381.597353	1	0.65744846
	1994	male	all maturity st	all shell condi	1150.42807	1	0.86396176
	1994	female	all maturity st	all shell condi	68.5130949	1	1.40851139
	1995	male	all maturity st	all shell condi	151.168788	1	1.85984107
	1995	female	all maturity st	all shell condi	108.331396	1	0.96508327
	1996	male	all maturity st	all shell condi	29.7926773	1	1.42928413
	1996	female	all maturity st	all shell condi	157.49101	1	0.07119652
	2005	male	all maturity st	all shell condi	108.382381	1	14.5598242
	2005	female	all maturity st	all shell condi	39.2779318	1	1.02653588
	2006	male	all maturity st	all shell condi	324.9505	1	5.27209256
	2006	female	all maturity st	all shell condi	285.245961	1	0.87441142
	2007	male	all maturity st	all shell condi	419.930618	1	5.77770281
	2007	female	all maturity st	all shell condi	336.095997	1	0.33734494
	2008	male	all maturity st	all shell condi	639.27868	1	5.06711098
	2008	female	all maturity st	all shell condi	43.2652209	1	0.34337855
	2009	male	all maturity st	all shell condi	142.851326	1	8.05797148
	2009	female	all maturity st	all shell condi	24.7943363	1	0.16970061
	2013	male	all maturity st	all shell condi	2811.24119	1	1.28371175
	2013	female	all maturity st	all shell condi	66.8233929	1	0.50541277
	2014	male	all maturity st	all shell condi	250.918802	1	10.2125378
	2014	female	all maturity st	all shell condi	150.865803	1	0.26483546
	2015	male	all maturity st	all shell condi	147.665701	1	13.3444091
	2015	female	all maturity st	all shell condi	75.0624255	1	1.22291394
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.04497538	20	0.02528481

all		female	all maturity st	all shell condi	0.29170984	20	1.06368285
	1992	male	all maturity st	all shell condi	133.832774	1	3.13904926
	1992	female	all maturity st	all shell condi	19.0953331	1	0.98362831
	1993	male	all maturity st	all shell condi	283.248473	1	0.7871205
	1993	female	all maturity st	all shell condi	32.948924	1	1.23423512
	1994	male	all maturity st	all shell condi	196.484796	1	0.57420747
	1994	female	all maturity st	all shell condi	36.7210945	1	2.06676878
	1995	male	all maturity st	all shell condi	173.958845	1	0.41137895
	1995	female	all maturity st	all shell condi	41.248092	1	0.31439428
	1996	male	all maturity st	all shell condi	48.2931438	1	3.98519056
	1996	female	all maturity st	all shell condi	48.7325663	1	0.44663366
	1997	male	all maturity st	all shell condi	478.940086	1	0.76657465
	1997	female	all maturity st	all shell condi	115.522017	1	0.19393141
	1998	male	all maturity st	all shell condi	313.867992	1	0.39157666
	1998	female	all maturity st	all shell condi	19.6469967	1	0.35814795
	1999	male	all maturity st	all shell condi	156.5459	1	0.34290632
	1999	female	all maturity st	all shell condi	28.3553073	1	0.07181052
	2000	male	all maturity st	all shell condi	188.523069	1	0.33038483
	2000	female	all maturity st	all shell condi	34.5947392	1	0.08692334
	2001	male	all maturity st	all shell condi	625.968199	1	0.28289968
	2001	female	all maturity st	all shell condi	144.722803	1	0.04874346
	2002	male	all maturity st	all shell condi	64.5810872	1	0.7350427
	2002	female	all maturity st	all shell condi	45.2622937	1	0.0680959
	2003	male	all maturity st	all shell condi	110.896252	1	0.38953094
	2003	female	all maturity st	all shell condi	42.7838816	1	0.10656249
	2004	male	all maturity st	all shell condi	23.5307574	1	1.84638014
	2004	female	all maturity st	all shell condi	32.0135822	1	0.84178429
	2005	male	all maturity st	all shell condi	109.617431	1	4.88494838
	2005	female	all maturity st	all shell condi	137.668136	1	0.14220774
	2006	male	all maturity st	all shell condi	73.4549877	1	6.07799094
	2006	female	all maturity st	all shell condi	41.3148665	1	1.17780116
	2007	male	all maturity st	all shell condi	295.731008	1	2.63636464
	2007	female	all maturity st	all shell condi	43.8744761	1	0.41711547
	2008	male	all maturity st	all shell condi	81.3848697	1	7.9408174
	2008	female	all maturity st	all shell condi	15.041227	1	2.25046652
	2009	male	all maturity st	all shell condi	417.532897	1	2.14671432
	2009	female	all maturity st	all shell condi	24.2564641	1	0.86772545
	2010	male	all maturity st	all shell condi	332.444785	1	1.42014849
	2010	female	all maturity st	all shell condi	87.525281	1	0.17218525
	2011	male	all maturity st	all shell condi	184.306481	1	3.69957993
	2011	female	all maturity st	all shell condi	56.5190662	1	0.16856053

	2012	male	all maturity st	all shell condi	121.532998	1	3.81615454
	2012	female	all maturity st	all shell condi	55.085579	1	0.15359729
	2013	male	all maturity st	all shell condi	272.39841	1	2.47070829
	2013	female	all maturity st	all shell condi	163.852896	1	0.09498728
	2014	male	all maturity st	all shell condi	406.361281	1	3.14408841
	2014	female	all maturity st	all shell condi	77.4653654	1	0.38881983
	2015	male	all maturity st	all shell condi	513.925032	1	1.86651958
	2015	female	all maturity st	all shell condi	99.0657292	1	0.10204621
	2016	male	all maturity st	all shell condi	356.190211	1	2.89454246
	2016	female	all maturity st	all shell condi	99.2846392	1	0.10413697
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.04396781	20	0.0425297
	1973	male	all maturity st	all shell condi	304.333998	1	-0.9658779
	1973	female	all maturity st	all shell condi	187.761555	1	4.53523263
	1974	male	all maturity st	all shell condi	99.5400457	1	2.17605505
	1974	female	all maturity st	all shell condi	232.167386	1	2.72827977
	1975	male	all maturity st	all shell condi	88.7027938	1	0.8419688
	1975	female	all maturity st	all shell condi	164.866802	1	1.91744519
	1976	male	all maturity st	all shell condi	79.8661667	1	-1.5348742
	1976	female	all maturity st	all shell condi	114.733747	1	20.9939648
	1977	male	all maturity st	all shell condi	167.950457	1	-1.3348442
	1977	female	all maturity st	all shell condi	252.221662	1	15.1880902
	1978	male	all maturity st	all shell condi	231.449032	1	-4.0108628
	1978	female	all maturity st	all shell condi	138.156775	1	25.6161665
	1979	male	all maturity st	all shell condi	724.939927	1	-6.3604724
	1979	female	all maturity st	all shell condi	356.8553	1	13.4115601
	1980	male	all maturity st	all shell condi	548.573909	1	3.22424277
	1980	female	all maturity st	all shell condi	999.556846	1	2.27641326
	1981	male	all maturity st	all shell condi	496.262359	1	-4.6095312
	1981	female	all maturity st	all shell condi	64.5516367	1	13.4867679
	1982	male	all maturity st	all shell condi	333.227943	1	4.28681695
	1982	female	all maturity st	all shell condi	70.4239949	1	22.0834477
	1983	male	all maturity st	all shell condi	610.808948	1	17.8145256
	1983	female	all maturity st	all shell condi	195.557242	1	-4.8325036
	1984	male	all maturity st	all shell condi	801.9777	1	22.0202003
	1984	female	all maturity st	all shell condi	426.722799	1	-10.400815
	1985	male	all maturity st	all shell condi	230.362423	1	17.083853
	1985	female	all maturity st	all shell condi	337.651507	1	-1.4256083
	1986	male	all maturity st	all shell condi	225.447619	1	13.5066477
	1986	female	all maturity st	all shell condi	122.580125	1	3.52470836
	1987	male	all maturity st	all shell condi	242.011261	1	19.8388584

1987	female	all maturity st	all shell condi	702.662969	1	0.26974658
1988	male	all maturity st	all shell condi	235.285338	1	7.74247378
1988	female	all maturity st	all shell condi	207.841668	1	9.03057559
1989	male	all maturity st	all shell condi	385.988461	1	3.74054074
1989	female	all maturity st	all shell condi	1030.88142	1	12.146601
1990	male	all maturity st	all shell condi	980.636462	1	16.7408727
1990	female	all maturity st	all shell condi	381.889186	1	-9.2896658
1991	male	all maturity st	all shell condi	304.933103	1	0.99905104
1991	female	all maturity st	all shell condi	192.324348	1	7.08218616
1992	male	all maturity st	all shell condi	149.086573	1	6.04276347
1992	female	all maturity st	all shell condi	62.5555225	1	3.61753964
1993	male	all maturity st	all shell condi	70.0259847	1	4.10628903
1993	female	all maturity st	all shell condi	109.780249	1	-0.4832558
1994	male	all maturity st	all shell condi	297.34017	1	2.38011246
1994	female	all maturity st	all shell condi	356.157019	1	0.90535187
1995	male	all maturity st	all shell condi	53.4698648	1	13.663347
1995	female	all maturity st	all shell condi	55.3234585	1	5.09166459
1996	male	all maturity st	all shell condi	173.340464	1	13.3427063
1996	female	all maturity st	all shell condi	426.220788	1	-4.696289
1997	male	all maturity st	all shell condi	59.0770975	1	19.6405569
1997	female	all maturity st	all shell condi	170.748357	1	5.15315703
1998	male	all maturity st	all shell condi	166.081034	1	6.99449911
1998	female	all maturity st	all shell condi	273.167906	1	6.99977528
1999	male	all maturity st	all shell condi	383.254637	1	5.35148056
1999	female	all maturity st	all shell condi	949.047105	1	2.46801275
2000	male	all maturity st	all shell condi	312.134771	1	6.54105324
2000	female	all maturity st	all shell condi	508.40638	1	0.8730578
2001	male	all maturity st	all shell condi	741.40258	1	8.485302
2001	female	all maturity st	all shell condi	1167.90591	1	-3.4407792
2002	male	all maturity st	all shell condi	482.423396	1	9.41664482
2002	female	all maturity st	all shell condi	882.881107	1	-0.1645582
2003	male	all maturity st	all shell condi	207.502964	1	4.21794858
2003	female	all maturity st	all shell condi	316.971078	1	4.909844
2004	male	all maturity st	all shell condi	99.6180494	1	-1.3368997
2004	female	all maturity st	all shell condi	30.0322665	1	41.3898283
2005	male	all maturity st	all shell condi	1698.55808	1	3.73321531
2005	female	all maturity st	all shell condi	1698.71957	1	1.03223978
2006	male	all maturity st	all shell condi	172.199924	1	13.2518353
2006	female	all maturity st	all shell condi	178.501445	1	2.45409748
2007	male	all maturity st	all shell condi	175.227362	1	10.028841
2007	female	all maturity st	all shell condi	103.832513	1	8.28272744

	2008	male	all maturity st	all shell condi	166.569951	1	26.7207038
	2008	female	all maturity st	all shell condi	214.935448	1	-9.1736417
	2009	male	all maturity st	all shell condi	276.190821	1	14.1442298
	2009	female	all maturity st	all shell condi	464.890309	1	-6.9705336
	2010	male	all maturity st	all shell condi	464.657796	1	7.13548073
	2010	female	all maturity st	all shell condi	1213.40308	1	-2.9965597
	2011	male	all maturity st	all shell condi	95.678371	1	10.025309
	2011	female	all maturity st	all shell condi	76.4525032	1	19.0270731
	2012	male	all maturity st	all shell condi	285.714974	1	-6.3196049
	2012	female	all maturity st	all shell condi	128.533673	1	13.1109622
	2013	male	all maturity st	all shell condi	252.720473	1	2.0698069
	2013	female	all maturity st	all shell condi	610.43081	1	9.7292761
	2014	male	all maturity st	all shell condi	736.843269	1	10.4262864
	2014	female	all maturity st	all shell condi	754.910973	1	-5.9405729
	2015	male	all maturity st	all shell condi	198.164305	1	16.489968
	2015	female	all maturity st	all shell condi	286.11208	1	1.0380891
	2016	male	all maturity st	all shell condi	180.916116	1	-2.487875
	2016	female	all maturity st	all shell condi	55.3626707	1	25.0223921
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.02060205	20	0.00488111
all		female	all maturity st	all shell condi	0.01293161	20	0.0019231
	1992	male	all maturity st	all shell condi	137.85436	1	0.76161664
	1992	female	all maturity st	all shell condi	74.0159405	1	0.13196476
	1993	male	all maturity st	all shell condi	440.326138	1	1.54946932
	1993	female	all maturity st	all shell condi	343.848641	1	0.24302284
	1996	male	all maturity st	all shell condi	64.5244352	1	0.13237626
	1996	female	all maturity st	all shell condi	3.48611901	1	0.03165548
	1997	male	all maturity st	all shell condi	20.8539323	1	2.29116809
	1997	female	all maturity st	all shell condi	29.3375039	1	0.05547809
	1998	male	all maturity st	all shell condi	51.8965618	1	0.41691973
	1998	female	all maturity st	all shell condi	21.6035591	1	0.07033559
	1999	male	all maturity st	all shell condi	61.1141742	1	0.23364657
	1999	female	all maturity st	all shell condi	19.1866296	1	0.02582501
	2000	male	all maturity st	all shell condi	216.83215	1	0.49218215
	2000	female	all maturity st	all shell condi	44.3147491	1	0.0597398
	2001	male	all maturity st	all shell condi	133.15682	1	0.2428973
	2001	female	all maturity st	all shell condi	55.4404145	1	0.03578909
	2002	male	all maturity st	all shell condi	138.8787	1	0.34589017
	2002	female	all maturity st	all shell condi	36.8346292	1	0.04910843
	2003	male	all maturity st	all shell condi	111.474654	1	0.37624392

2003	female	all maturity st	all shell condi	51.6520657	1	0.09392637
2004	male	all maturity st	all shell condi	52.3363628	1	0.50011741
2004	female	all maturity st	all shell condi	21.2162964	1	0.05678619
2005	male	all maturity st	all shell condi	53.7089331	1	1.39935705
2005	female	all maturity st	all shell condi	13.0886332	1	0.16861549
2006	male	all maturity st	all shell condi	25.5700043	1	1.8551384
2006	female	all maturity st	all shell condi	26.7328158	1	0.25415857
2007	male	all maturity st	all shell condi	127.412695	1	0.87303034
2007	female	all maturity st	all shell condi	104.668407	1	0.08681116
2008	male	all maturity st	all shell condi	50.7171029	1	3.58506963
2008	female	all maturity st	all shell condi	106.714895	1	0.11111867
2009	male	all maturity st	all shell condi	20.5163915	1	7.52426459
2009	female	all maturity st	all shell condi	129.760593	1	0.04697795
2010	male	all maturity st	all shell condi	57.5365717	1	0.74904421
2010	female	all maturity st	all shell condi	35.8042054	1	0.04518888
2011	male	all maturity st	all shell condi	83.6622177	1	0.29828181
2011	female	all maturity st	all shell condi	5.45491079	1	0.02137094
2012	male	all maturity st	all shell condi	108.318415	1	0.46418067
2012	female	all maturity st	all shell condi	6.48610821	1	0.23055432
2013	male	all maturity st	all shell condi	59.6815063	1	1.83913798
2013	female	all maturity st	all shell condi	9.59374842	1	0.18043324
2014	male	all maturity st	all shell condi	141.544447	1	1.44643894
2014	female	all maturity st	all shell condi	21.5646518	1	0.07210366
2015	male	all maturity st	all shell condi	323.455944	1	0.53600501
2015	female	all maturity st	all shell condi	99.8150437	1	0.0737087
2016	male	all maturity st	all shell condi	27.418566	1	6.39392521
2016	female	all maturity st	all shell condi	19.9434812	1	0.50962458
2015	male	immature	new shell	0.66040071	1	100.74357
2016	male	immature	new shell	0.66040071	1	115.694649
2015	female	immature	new shell	0.47919491	1	78.8201639
2016	female	immature	new shell	0.47919491	1	69.6532811
1994	male	immature	new shell	0.67106764	0	13.8470509
1995	male	immature	new shell	0.67106764	0	32.7958241
1996	male	immature	new shell	0.67106764	0	370.047382
1997	male	immature	new shell	0.67106764	0	514.247519
1998	male	immature	new shell	0.67106764	0	545.612195
1999	male	immature	new shell	0.67106764	0	467.06576
2000	male	immature	new shell	0.67106764	0	754.545521
2001	male	immature	new shell	0.67106764	0	907.775119
2002	male	immature	new shell	0.67106764	0	840.04267
2003	male	immature	new shell	0.67106764	0	289.017913

	2004	male	immature	new shell	0.67106764	0	183.517039
	2005	male	immature	new shell	0.67106764	0	101.656895
	2006	male	immature	new shell	0.67106764	0	12.1826589
	2011	male	immature	new shell	0.67106764	0	2.10380875
	2012	male	immature	new shell	0.67106764	0	3.17692361
	1994	female	immature	new shell	0.60724398	0	17.7893825
	1995	female	immature	new shell	0.60724398	0	18.243475
	1996	female	immature	new shell	0.60724398	0	231.353259
	1997	female	immature	new shell	0.60724398	0	180.751292
	1998	female	immature	new shell	0.60724398	0	249.379741
	1999	female	immature	new shell	0.60724398	0	362.182109
	2000	female	immature	new shell	0.60724398	0	665.588748
	2001	female	immature	new shell	0.60724398	0	595.684034
	2002	female	immature	new shell	0.60724398	0	327.313405
	2003	female	immature	new shell	0.60724398	0	96.9767071
	2004	female	immature	new shell	0.60724398	0	107.77883
	2005	female	immature	new shell	0.60724398	0	23.5631296
	2006	female	immature	new shell	0.60724398	0	7.15045776
	2012	female	immature	new shell	0.60724398	0	2.30311298
	1990	male		new shell	7.22737464	1	67.0682851
	1991	male		new shell	7.22737464	1	69.2501152
	1992	male		new shell	7.22737464	1	18.0203908
	1993	male		new shell	7.22737464	1	33.0441683
	1994	male		new shell	7.22737464	1	22.4626223
	1995	male		new shell	7.22737464	1	14.0087111
	1997	male		new shell	7.22737464	1	9.26437038
	1998	male		new shell	7.22737464	1	28.2518744
	1999	male		new shell	7.22737464	1	10.9003426
	2000	male		new shell	7.22737464	1	24.5400963
	2001	male		new shell	7.22737464	1	29.9761481
	2002	male		new shell	7.22737464	1	21.4364985
	2003	male		new shell	7.22737464	1	13.5067023
	2004	male		new shell	7.22737464	1	18.8919411
	2005	male		new shell	7.22737464	1	67.5171561
	2008	male		new shell	7.22737464	1	57.5470304
	2010	male		new shell	7.22737464	1	79.3652652
	2012	male		new shell	7.22737464	1	15.7166903
	2014	male		new shell	7.22737464	1	27.7625748
	2016	male		new shell	7.22737464	1	35.4594541
	2017	male		new shell	7.22737464	1	20.1769318
all		male	immature	new shell	0.09975135	1	2587.33725

all		male	mature	new shell	0.09975135	1	2587.33725
all		male	immature	old shell	0.09975135	1	2587.33725
all		male	mature	old shell	0.09975135	1	2587.33725
all		female	immature	new shell	0.09975135	1	2587.33725
all		female	mature	new shell	0.09975135	1	2587.33725
all		female	immature	old shell	0.09975135	1	2587.33725
all		female	mature	old shell	0.09975135	1	2587.33725
all		male	immature	new shell	0.09975135	1	16104.1415
all		male	mature	new shell	0.09975135	1	16104.1415
all		male	immature	old shell	0.09975135	1	16104.1415
all		male	mature	old shell	0.09975135	1	16104.1415
all		female	immature	new shell	0.09975135	1	16104.1415
all		female	mature	new shell	0.09975135	1	16104.1415
all		female	immature	old shell	0.09975135	1	16104.1415
all		female	mature	old shell	0.09975135	1	16104.1415
all		male	immature	all shell condi	2.64670681	0	150.608724
all		male	mature	all shell condi	2.11711555	0	96.3668324
all		female	immature	all shell condi	2.54816011	0	139.602079
all		female	mature	all shell condi	2.17722171	0	101.916329
all		male	mature	all shell condi	1.89259124	0	77.0108844
all		female	mature	all shell condi	2.08604728	0	93.5592552
	1975	male	immature	all shell condi	699.253818	0	2.55144516
	1975	male	mature	all shell condi	51.0913017	0	68.0298374
	1975	female	immature	all shell condi	182.003562	0	1.17959636
	1975	female	mature	all shell condi	74.1986506	0	-11.615572
	1976	male	immature	all shell condi	217.598282	0	17.2172215
	1976	male	mature	all shell condi	198.975604	0	10.4071636
	1976	female	immature	all shell condi	116.613348	0	16.6150659
	1976	female	mature	all shell condi	96.5146486	0	-9.7959377
	1977	male	immature	all shell condi	264.33504	0	5.2379854
	1977	male	mature	all shell condi	224.752542	0	-2.9605045
	1977	female	immature	all shell condi	38.80213	0	41.448853
	1977	female	mature	all shell condi	193.438659	0	-8.3314634
	1978	male	immature	all shell condi	255.768278	0	1.51602596
	1978	male	mature	all shell condi	281.633866	0	7.92799461
	1978	female	immature	all shell condi	69.1525058	0	19.6093992
	1978	female	mature	all shell condi	418.517787	0	-5.0072341
	1979	male	immature	all shell condi	220.625739	0	10.5426388
	1979	male	mature	all shell condi	346.025648	0	-3.247385
	1979	female	immature	all shell condi	316.912086	0	-5.0060965
	1979	female	mature	all shell condi	101.78755	0	18.9423064

1980	male	immature	all shell condi	137.209425	0	22.743303
1980	male	mature	all shell condi	208.580171	0	-9.3448873
1980	female	immature	all shell condi	770.645519	0	-0.5325257
1980	female	mature	all shell condi	60.1438004	0	14.1054427
1981	male	immature	all shell condi	573.36337	0	6.16865509
1981	male	mature	all shell condi	554.057447	0	-8.9975806
1981	female	immature	all shell condi	136.105346	0	-5.7392624
1981	female	mature	all shell condi	29.7761251	0	51.6074793
1982	male	immature	all shell condi	210.30925	0	-12.278054
1982	male	mature	all shell condi	198.110546	0	-13.725335
1982	female	immature	all shell condi	151.657293	0	-6.7306947
1982	female	mature	all shell condi	6.74504762	0	141.046271
1983	male	immature	all shell condi	118.631832	0	11.3724636
1983	male	mature	all shell condi	284.686106	0	-7.5229775
1983	female	immature	all shell condi	90.1609418	0	17.1509428
1983	female	mature	all shell condi	119.275684	0	16.0794793
1984	male	immature	all shell condi	247.026638	0	-10.972944
1984	male	mature	all shell condi	301.071743	0	10.4260396
1984	female	immature	all shell condi	133.881495	0	-0.5506476
1984	female	mature	all shell condi	81.7230052	0	27.9536015
1985	male	immature	all shell condi	139.809123	0	-19.020634
1985	male	mature	all shell condi	82.2043119	0	33.9243795
1985	female	immature	all shell condi	91.8706025	0	-17.574231
1985	female	mature	all shell condi	43.9292082	0	43.7908921
1986	male	immature	all shell condi	148.258005	0	5.96172397
1986	male	mature	all shell condi	68.2733208	0	30.1397549
1986	female	immature	all shell condi	61.0598897	0	-4.5498945
1986	female	mature	all shell condi	253.041643	0	4.38204044
1987	male	immature	all shell condi	83.7873424	0	7.32696977
1987	male	mature	all shell condi	384.909549	0	12.0523642
1987	female	immature	all shell condi	35.3393749	0	61.5068041
1987	female	mature	all shell condi	486.208212	0	-1.8781681
1988	male	immature	all shell condi	212.106429	0	-3.7696571
1988	male	mature	all shell condi	168.557756	0	21.3703023
1988	female	immature	all shell condi	123.057109	0	-9.7912154
1988	female	mature	all shell condi	59.8197599	0	28.1476608
1989	male	immature	all shell condi	272.623979	0	-2.2317487
1989	male	mature	all shell condi	397.27809	0	12.1037862
1989	female	immature	all shell condi	175.095314	0	7.48393383
1989	female	mature	all shell condi	298.275014	0	-0.3600651
1990	male	immature	all shell condi	530.264347	0	-8.2667008

1990	male	mature	all shell condi	885.950907	0	1.32478611
1990	female	immature	all shell condi	303.480027	0	2.68712781
1990	female	mature	all shell condi	182.269892	0	18.7585883
1991	male	immature	all shell condi	299.685136	0	0.32870341
1991	male	mature	all shell condi	1172.65742	0	-4.2808756
1991	female	immature	all shell condi	162.759439	0	5.07352159
1991	female	mature	all shell condi	457.704063	0	14.1442465
1992	male	immature	all shell condi	684.371068	0	5.84795179
1992	male	mature	all shell condi	461.605021	0	4.08873679
1992	female	immature	all shell condi	305.173223	0	2.4374773
1992	female	mature	all shell condi	4837.41844	0	-0.3680492
1993	male	immature	all shell condi	625.600655	0	13.2184285
1993	male	mature	all shell condi	550.104327	0	8.14785084
1993	female	immature	all shell condi	581.091337	0	3.07770362
1993	female	mature	all shell condi	271.776836	0	-14.027723
1994	male	immature	all shell condi	328.162221	0	7.78160344
1994	male	mature	all shell condi	928.092769	0	1.9228387
1994	female	immature	all shell condi	82.7486466	0	18.2324065
1994	female	mature	all shell condi	435.003085	0	-12.192332
1995	male	immature	all shell condi	302.030864	0	-7.3433665
1995	male	mature	all shell condi	637.559227	0	5.48887317
1995	female	immature	all shell condi	315.592191	0	-4.3945007
1995	female	mature	all shell condi	145.057791	0	22.7657778
1996	male	immature	all shell condi	379.546614	0	-7.5040931
1996	male	mature	all shell condi	509.489469	0	11.5276771
1996	female	immature	all shell condi	222.003961	0	-4.4795495
1996	female	mature	all shell condi	240.004562	0	15.0224436
1997	male	immature	all shell condi	321.623324	0	0.87286586
1997	male	mature	all shell condi	1946.46531	0	-0.917078
1997	female	immature	all shell condi	97.4554258	0	19.083636
1997	female	mature	all shell condi	873.787921	0	-5.8615597
1998	male	immature	all shell condi	135.646521	0	12.6457963
1998	male	mature	all shell condi	2045.61949	0	0.04036316
1998	female	immature	all shell condi	215.826006	0	17.3764076
1998	female	mature	all shell condi	193.890435	0	-9.8354161
1999	male	immature	all shell condi	167.218034	0	9.35972878
1999	male	mature	all shell condi	785.175204	0	3.07511294
1999	female	immature	all shell condi	172.840805	0	10.4730679
1999	female	mature	all shell condi	449.927295	0	-5.1102729
2000	male	immature	all shell condi	148.976124	0	5.95208395
2000	male	mature	all shell condi	1436.28704	0	5.25574505

2000	female	immature	all shell condi	233.866195	0	4.65604991
2000	female	mature	all shell condi	426.993928	0	-2.2299486
2001	male	immature	all shell condi	229.185485	0	11.3867421
2001	male	mature	all shell condi	806.537007	0	-4.7454545
2001	female	immature	all shell condi	222.441929	0	16.741151
2001	female	mature	all shell condi	375.811137	0	-5.3560557
2002	male	immature	all shell condi	132.079809	0	7.69932778
2002	male	mature	all shell condi	1371.44987	0	-2.0004028
2002	female	immature	all shell condi	87.9350346	0	21.3155278
2002	female	mature	all shell condi	825.279495	0	-4.0586188
2003	male	immature	all shell condi	313.467167	0	4.60115023
2003	male	mature	all shell condi	1416.5863	0	1.01833381
2003	female	immature	all shell condi	256.988111	0	-0.2397282
2003	female	mature	all shell condi	271.107534	0	8.91071505
2004	male	immature	all shell condi	226.811679	0	1.55577011
2004	male	mature	all shell condi	446.521148	0	12.2373653
2004	female	immature	all shell condi	162.144759	0	14.3340871
2004	female	mature	all shell condi	293.971465	0	-4.7492948
2005	male	immature	all shell condi	349.540108	0	-0.2599185
2005	male	mature	all shell condi	1218.85722	0	-4.2129081
2005	female	immature	all shell condi	178.691446	0	22.036558
2005	female	mature	all shell condi	1607.28662	0	-2.5584719
2006	male	immature	all shell condi	404.350676	0	7.42966371
2006	male	mature	all shell condi	771.235344	0	2.86103233
2006	female	immature	all shell condi	180.284193	0	12.7914056
2006	female	mature	all shell condi	680.797341	0	-5.2622199
2007	male	immature	all shell condi	257.388576	0	23.5663408
2007	male	mature	all shell condi	458.860139	0	4.22267146
2007	female	immature	all shell condi	1149.98239	0	2.09896816
2007	female	mature	all shell condi	192.077484	0	-11.337584
2008	male	immature	all shell condi	630.398947	0	12.0973488
2008	male	mature	all shell condi	555.229869	0	2.10191764
2008	female	immature	all shell condi	530.037288	0	4.53905394
2008	female	mature	all shell condi	574.897888	0	-7.0872008
2009	male	immature	all shell condi	204.752541	0	5.66093956
2009	male	mature	all shell condi	511.551973	0	3.77133253
2009	female	immature	all shell condi	111.949039	0	7.26949558
2009	female	mature	all shell condi	1651.00721	0	0.53947881
2010	male	immature	all shell condi	429.023598	0	-1.5106088
2010	male	mature	all shell condi	373.513346	0	13.6253919
2010	female	immature	all shell condi	234.667307	0	-0.7260019

	2010	female	mature	all shell condi	9092.18649	0	-1.2221746
	2011	male	immature	all shell condi	610.655191	0	2.94133548
	2011	male	mature	all shell condi	1518.75759	0	4.19190739
	2011	female	immature	all shell condi	242.406112	0	8.82413531
	2011	female	mature	all shell condi	483.075472	0	-4.517053
	2012	male	immature	all shell condi	379.299754	0	10.1488716
	2012	male	mature	all shell condi	937.047657	0	4.07858527
	2012	female	immature	all shell condi	179.684724	0	2.21165341
	2012	female	mature	all shell condi	760.925102	0	-1.3739456
	2013	male	immature	all shell condi	924.931239	0	5.08315419
	2013	male	mature	all shell condi	318.872182	0	8.08276633
	2013	female	immature	all shell condi	477.70428	0	-0.2606757
	2013	female	mature	all shell condi	1746.65408	0	-0.7360084
	2014	male	immature	all shell condi	411.836184	0	11.8599117
	2014	male	mature	all shell condi	422.088245	0	4.8045081
	2014	female	immature	all shell condi	99.2534267	0	14.8943347
	2014	female	mature	all shell condi	427.976374	0	-8.2406679
	2015	male	immature	all shell condi	1044.10514	0	6.11348785
	2015	male	mature	all shell condi	561.856812	0	3.46381441
	2015	female	immature	all shell condi	589.070551	0	3.01530175
	2015	female	mature	all shell condi	305.687784	0	0.68340775
	2016	male	immature	all shell condi	497.181405	0	5.93413445
	2016	male	mature	all shell condi	165.83375	0	23.2289212
	2016	female	immature	all shell condi	394.127777	0	1.24649195
	2016	female	mature	all shell condi	248.657403	0	-6.9107615
	2017	male	immature	all shell condi	99.5941999	0	-0.8160342
	2017	male	mature	all shell condi	157.64546	0	23.2364858
	2017	female	immature	all shell condi	69.4250149	0	8.81748406
	2017	female	mature	all shell condi	489.366127	0	0.97982074
all		male	all maturity st	new shell	2.65747726	1	151.836986
all		male	all maturity st	old shell	3.67133781	1	289.792509
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
all		male	all maturity st	new shell	2.34144565	1	117.870906
all		male	all maturity st	old shell	2.87914413	1	178.223625
all		female	all maturity st	new shell	0	1	0
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	1975	male	all maturity st	new shell	45.5808649	1	37.6032887
	1975	male	all maturity st	old shell	22.4884934	1	48.0344409
	1976	male	all maturity st	new shell	103.838414	1	15.5134457
	1976	male	all maturity st	old shell	17.2952108	1	69.3363784

1977	male	all maturity st	new shell	122.966405	1	11.6256924
1977	male	all maturity st	old shell	56.6764451	1	26.2860351
1978	male	all maturity st	new shell	90.3554257	1	13.7589635
1978	male	all maturity st	old shell	40.4588012	1	33.3158691
1979	male	all maturity st	new shell	129.767425	1	6.82825756
1979	male	all maturity st	old shell	26.1780436	1	50.6832424
1980	male	all maturity st	new shell	102.127064	1	8.42081583
1980	male	all maturity st	old shell	27.4665847	1	50.9551739
1981	male	all maturity st	new shell	98.6549557	1	12.8579577
1981	male	all maturity st	old shell	26.6611105	1	40.2050166
1982	male	all maturity st	new shell	58.8436613	1	20.7903236
1982	male	all maturity st	old shell	204.575874	1	5.90769576
1983	male	all maturity st	new shell	42.2432344	1	24.4192151
1983	male	all maturity st	old shell	61.2869093	1	18.5082386
1984	male	all maturity st	new shell	79.5187121	1	7.76334177
1984	male	all maturity st	old shell	46.5726311	1	23.1008589
1985	male	all maturity st	new shell	86.3907626	1	13.0201671
1985	male	all maturity st	old shell	45.9957643	1	26.2117503
1986	male	all maturity st	new shell	49.2743035	1	17.6958939
1986	male	all maturity st	old shell	78.3815509	1	13.2623512
1987	male	all maturity st	new shell	35.0514353	1	22.7305096
1987	male	all maturity st	old shell	199.935265	1	9.17811078
1988	male	all maturity st	new shell	66.7530481	1	17.8043573
1988	male	all maturity st	old shell	202.282733	1	10.5509531
1989	male	all maturity st	new shell	119.566926	1	10.9042331
1989	male	all maturity st	old shell	349.783303	1	7.44784779
1990	male	all maturity st	new shell	325.642666	1	4.45390347
1990	male	all maturity st	old shell	169.40159	1	8.55110147
1991	male	all maturity st	new shell	179.476555	1	6.80190047
1991	male	all maturity st	old shell	163.744404	1	10.6710268
1992	male	all maturity st	new shell	240.733644	1	5.68593643
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1993	male	all maturity st	new shell	333.891287	1	3.79479758
1993	male	all maturity st	old shell	204.721382	1	5.11495345
1994	male	all maturity st	new shell	173.030974	1	5.95616262
1994	male	all maturity st	old shell	172.923578	1	6.47081067
1995	male	all maturity st	new shell	97.2153794	1	9.81447421
1995	male	all maturity st	old shell	150.054136	1	9.78401822
1996	male	all maturity st	new shell	122.159115	1	11.3584334
1996	male	all maturity st	old shell	105.608362	1	10.3864185
1997	male	all maturity st	new shell	122.260432	1	8.185808

1997	male	all maturity st	old shell	233.927301	1	8.43879296
1998	male	all maturity st	new shell	75.9346525	1	10.2929571
1998	male	all maturity st	old shell	230.631558	1	6.23156576
1999	male	all maturity st	new shell	91.0568829	1	9.04681283
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2004	male	all maturity st	old shell	53.4476788	1	40.3652117
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2006	male	all maturity st	new shell	135.39969	1	9.56646508
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2007	male	all maturity st	new shell	262.066367	1	6.77137891
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2011	male	all maturity st	old shell	147.477582	1	9.15167087
2012	male	all maturity st	new shell	220.289858	1	3.83899643
2012	male	all maturity st	old shell	134.141463	1	9.21088567
2013	male	all maturity st	new shell	190.277184	1	6.99469869
2013	male	all maturity st	old shell	219.922997	1	10.6407202
2014	male	all maturity st	new shell	218.304285	1	7.30263452
2014	male	all maturity st	old shell	145.509078	1	8.9892696
2015	male	all maturity st	new shell	423.266679	1	5.41703972
2015	male	all maturity st	old shell	172.305668	1	7.96419102
2016	male	all maturity st	new shell	186.832561	1	8.91627136
2016	male	all maturity st	old shell	104.004487	1	12.2903699
2017	male	all maturity st	new shell	26.3636469	1	17.300553
2017	male	all maturity st	old shell	91.3085777	1	12.5485495

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all		male	immature	old shell	0	1	0
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all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.54816011	1	139.602079
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all		female	immature	old shell	0	1	0
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all		female	mature	old shell	2.43926812	1	127.925623
	1975	female	immature	new shell	21.1701916	1	20.8987444
	1975	female	mature	new shell	50.0625707	1	5.93593061
	1975	female	mature	old shell	8.77849212	1	29.4317516
	1976	female	immature	new shell	31.6449089	1	11.1241833
	1976	female	mature	new shell	82.7863954	1	4.17216638
	1976	female	mature	old shell	9.56324309	1	29.7164107
	1977	female	immature	new shell	37.132492	1	8.14824929
	1977	female	mature	new shell	186.592212	1	3.66637782
	1977	female	mature	old shell	27.5886263	1	11.7679846
	1978	female	immature	new shell	24.1182397	1	11.1704144
	1978	female	mature	new shell	121.319356	1	2.3015711
	1978	female	mature	old shell	49.0755082	1	6.19123068
	1979	female	immature	new shell	40.9339604	1	5.53847487
	1979	female	mature	new shell	28.0227732	1	12.382059
	1979	female	mature	old shell	31.3188829	1	9.53205805
	1980	female	immature	new shell	91.3137861	1	3.39801902
	1980	female	mature	new shell	10.9306156	1	19.7070901
	1980	female	mature	old shell	29.1529576	1	9.05371069
	1981	female	immature	new shell	29.3245022	1	15.3456441
	1981	female	mature	new shell	9.6194853	1	33.0273182
	1981	female	mature	old shell	130.243119	1	3.99913016
	1982	female	immature	new shell	44.5488043	1	16.8162714
	1982	female	mature	new shell	7.63642878	1	31.5945417
	1982	female	mature	old shell	20.3822214	1	13.2301919
	1983	female	immature	new shell	35.237418	1	9.25875354

1983	female	mature	new shell	61.2042501	1	6.10295394
1983	female	mature	old shell	55.7398013	1	4.86080193
1984	female	immature	new shell	28.7858084	1	7.31423198
1984	female	mature	new shell	24.6855277	1	8.98607893
1984	female	mature	old shell	194.459735	1	2.09902903
1985	female	immature	new shell	82.8110453	1	5.16012602
1985	female	mature	new shell	13.8609258	1	33.381182
1985	female	mature	old shell	218.831179	1	2.10454356
1986	female	immature	new shell	26.2843946	1	13.4238367
1986	female	mature	new shell	8.92464371	1	27.5947479
1986	female	mature	old shell	41.2145031	1	7.41196333
1987	female	immature	new shell	13.0226698	1	50.6510297
1987	female	mature	new shell	36.6229601	1	10.4718303
1987	female	mature	old shell	27.1829945	1	14.3499112
1988	female	immature	new shell	66.9356461	1	10.2899395
1988	female	mature	new shell	12.8743999	1	27.6624687
1988	female	mature	old shell	42.0739732	1	9.06523546
1989	female	immature	new shell	54.5273906	1	4.57309557
1989	female	mature	new shell	24.5937311	1	12.9869723
1989	female	mature	old shell	40.342476	1	10.8244011
1990	female	immature	new shell	58.5757665	1	6.38662908
1990	female	mature	new shell	148.009861	1	2.40069011
1990	female	mature	old shell	37.0245857	1	10.6870955
1991	female	immature	new shell	22.2884428	1	13.5320537
1991	female	mature	new shell	80.6707813	1	3.65665337
1991	female	mature	old shell	188.285116	1	2.68177098
1992	female	immature	new shell	27.9662434	1	14.0120914
1992	female	mature	new shell	54.214579	1	6.84082812
1992	female	mature	old shell	244.373559	1	1.84157181
1993	female	immature	new shell	58.4784538	1	7.73370779
1993	female	mature	new shell	25.773652	1	10.6266338
1993	female	mature	old shell	243.418231	1	1.22918047
1994	female	immature	new shell	27.5507665	1	11.3641838
1994	female	mature	new shell	32.7263882	1	11.3037698
1994	female	mature	old shell	498.130483	1	1.05213943
1995	female	immature	new shell	73.8635203	1	6.22106493
1995	female	mature	new shell	30.43245	1	13.3678386
1995	female	mature	old shell	563.398822	1	0.63156039
1996	female	immature	new shell	60.2523675	1	8.02604539
1996	female	mature	new shell	33.83402	1	9.25379892
1996	female	mature	old shell	278.863497	1	1.30964052

1997	female	immature	new shell	53.6829473	1	4.64329432
1997	female	mature	new shell	111.508873	1	3.2534456
1997	female	mature	old shell	214.554304	1	2.15896408
1998	female	immature	new shell	163.376796	1	2.09644691
1998	female	mature	new shell	69.7590445	1	5.95384028
1998	female	mature	old shell	250.709667	1	2.7599336
1999	female	immature	new shell	71.1880575	1	4.8588819
1999	female	mature	new shell	19.8696326	1	11.9694102
1999	female	mature	old shell	148.225862	1	2.69066593
2000	female	immature	new shell	72.6934199	1	3.21603606
2000	female	mature	new shell	74.6300496	1	3.79787413
2000	female	mature	old shell	34.3676579	1	10.1767977
2001	female	immature	new shell	156.565486	1	2.31118211
2001	female	mature	new shell	142.510235	1	5.65391263
2001	female	mature	old shell	74.604476	1	4.13910415
2002	female	immature	new shell	46.7555275	1	5.93060377
2002	female	mature	new shell	34.6831318	1	9.05066756
2002	female	mature	old shell	106.079892	1	2.86214123
2003	female	immature	new shell	71.1054964	1	4.71329465
2003	female	mature	new shell	100.516794	1	3.70794767
2003	female	mature	old shell	39.7942207	1	10.4335267
2004	female	immature	new shell	81.9293587	1	5.24558702
2004	female	mature	new shell	173.492823	1	1.68538398
2004	female	mature	old shell	41.112917	1	10.8188624
2005	female	immature	new shell	293.69434	1	1.77073087
2005	female	mature	new shell	147.764902	1	4.55504266
2005	female	mature	old shell	200.406558	1	3.45396895
2006	female	immature	new shell	50.7927211	1	7.90978191
2006	female	mature	new shell	302.207698	1	2.02962256
2006	female	mature	old shell	97.4363965	1	4.51595576
2007	female	immature	new shell	194.946524	1	2.48827263
2007	female	mature	new shell	72.4728835	1	6.45322089
2007	female	mature	old shell	606.828495	1	0.91377232
2008	female	immature	new shell	78.3850738	1	5.03064935
2008	female	mature	new shell	81.3807164	1	5.31859794
2008	female	mature	old shell	372.686069	1	1.60171054
2009	female	immature	new shell	26.111562	1	8.83044986
2009	female	mature	new shell	40.3999168	1	5.42499949
2009	female	mature	old shell	298.627231	1	1.23767521
2010	female	immature	new shell	88.3496697	1	5.03854389
2010	female	mature	new shell	221.431619	1	1.96209072

	2010	female	mature	old shell	707.38462	1	1.10846419
	2011	female	immature	new shell	79.3414982	1	5.60819294
	2011	female	mature	new shell	32.7298684	1	7.08097789
	2011	female	mature	old shell	305.930275	1	2.13966633
	2012	female	immature	new shell	44.8380631	1	8.48567686
	2012	female	mature	new shell	45.8619419	1	5.48281976
	2012	female	mature	old shell	294.9538	1	1.28087055
	2013	female	immature	new shell	91.9521221	1	4.89929815
	2013	female	mature	new shell	371.235874	1	0.96829178
	2013	female	mature	old shell	65.8659579	1	4.67211338
	2014	female	immature	new shell	19.0298745	1	20.1980301
	2014	female	mature	new shell	49.7687403	1	4.5587487
	2014	female	mature	old shell	83.92569	1	4.18378293
	2015	female	immature	new shell	79.4724281	1	5.33153327
	2015	female	mature	new shell	16.6194723	1	14.7416751
	2015	female	mature	old shell	90.5453013	1	3.75738091
	2016	female	immature	new shell	46.0656325	1	9.31124379
	2016	female	mature	new shell	69.657919	1	8.18814602
	2016	female	mature	old shell	42.4767507	1	6.4775469
	2017	female	immature	new shell	15.9502351	1	12.6845694
	2017	female	mature	new shell	22.593623	1	19.8122335
	2017	female	mature	old shell	69.897409	1	3.33763622
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.27048769	20	1.39010824
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	20.9653255	1	17.5514944
	1981	male	all maturity st	all shell condi	147.69554	1	2.41360238
	1982	male	all maturity st	all shell condi	109.607676	1	5.11465055
	1983	male	all maturity st	all shell condi	37.2178471	1	1.70300594
	1984	male	all maturity st	all shell condi	188.848444	1	1.07219541
	1988	male	all maturity st	all shell condi	36.7083823	1	12.5807668
	1989	male	all maturity st	all shell condi	71.982954	1	1.76626717
	1990	male	all maturity st	all shell condi	30.4449506	1	22.338246
	1991	male	all maturity st	all shell condi	558.389018	1	2.2004541
	1992	male	all maturity st	all shell condi	69.1966918	1	15.6980198
	1993	male	all maturity st	all shell condi	194.084879	1	8.62045051
	1994	male	all maturity st	all shell condi	81.8472703	1	18.7225104
	1995	male	all maturity st	all shell condi	158.671087	1	0.47458824
	1996	male	all maturity st	all shell condi	158.299893	1	1.77659522
	2005	male	all maturity st	all shell condi	14.539466	1	1.4621375

	2006	male	all maturity st	all shell condi	202.337404	1	0.8998248
	2007	male	all maturity st	all shell condi	871.320564	1	1.24822625
	2008	male	all maturity st	all shell condi	389.99308	1	0.86300494
	2009	male	all maturity st	all shell condi	63.6706867	1	1.29456392
	2013	male	all maturity st	all shell condi	646.729701	1	0.51092153
	2014	male	all maturity st	all shell condi	215.832898	1	3.89852096
	2015	male	all maturity st	all shell condi	151.399374	1	9.34965322
all		male	all maturity st	all shell condi	0.21957952	20	0.31339859
all		female	all maturity st	all shell condi	0.52553591	20	1.79522196
	1991	male	all maturity st	all shell condi	247.572299	1	5.9144546
	1991	female	all maturity st	all shell condi	305.641163	1	1.26891215
	1992	male	all maturity st	all shell condi	117.004368	1	19.7839463
	1992	female	all maturity st	all shell condi	929.433621	1	0.40358872
	1993	male	all maturity st	all shell condi	104.95548	1	18.5920806
	1993	female	all maturity st	all shell condi	366.299046	1	0.66832426
	1994	male	all maturity st	all shell condi	69.9368631	1	5.85978398
	1994	female	all maturity st	all shell condi	74.5670229	1	1.34777097
	1995	male	all maturity st	all shell condi	290.158759	1	1.10994093
	1995	female	all maturity st	all shell condi	125.544045	1	0.87983587
	1996	male	all maturity st	all shell condi	29.7360651	1	1.45669502
	1996	female	all maturity st	all shell condi	140.645387	1	0.07492788
	2005	male	all maturity st	all shell condi	101.892206	1	15.5284053
	2005	female	all maturity st	all shell condi	39.6110829	1	1.03063229
	2006	male	all maturity st	all shell condi	312.968988	1	5.71725739
	2006	female	all maturity st	all shell condi	262.674075	1	0.90698253
	2007	male	all maturity st	all shell condi	348.196798	1	6.62288594
	2007	female	all maturity st	all shell condi	316.720179	1	0.35311316
	2008	male	all maturity st	all shell condi	727.987741	1	5.12190982
	2008	female	all maturity st	all shell condi	42.6862495	1	0.34956114
	2009	male	all maturity st	all shell condi	136.769241	1	8.55258571
	2009	female	all maturity st	all shell condi	24.7251849	1	0.16938882
	2013	male	all maturity st	all shell condi	2001.47605	1	1.4929539
	2013	female	all maturity st	all shell condi	64.0259656	1	0.51468913
	2014	male	all maturity st	all shell condi	198.536113	1	11.9658224
	2014	female	all maturity st	all shell condi	139.397866	1	0.28045515
	2015	male	all maturity st	all shell condi	120.275151	1	15.717855
	2015	female	all maturity st	all shell condi	75.3863964	1	1.22738272
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.04462108	20	0.02488801
all		female	all maturity st	all shell condi	0.29335182	20	1.07569115

1992	male	all maturity st	all shell condi	178.6995	1	2.77602663
1992	female	all maturity st	all shell condi	18.3350447	1	1.06321394
1993	male	all maturity st	all shell condi	193.318714	1	1.29052204
1993	female	all maturity st	all shell condi	30.1603648	1	1.33508631
1994	male	all maturity st	all shell condi	276.035256	1	0.4059744
1994	female	all maturity st	all shell condi	39.3997143	1	1.92432971
1995	male	all maturity st	all shell condi	114.262085	1	0.62067453
1995	female	all maturity st	all shell condi	39.1436607	1	0.32544774
1996	male	all maturity st	all shell condi	40.9314667	1	4.62417521
1996	female	all maturity st	all shell condi	42.2102613	1	0.51628144
1997	male	all maturity st	all shell condi	409.47326	1	0.9189859
1997	female	all maturity st	all shell condi	115.702632	1	0.19382288
1998	male	all maturity st	all shell condi	253.0969	1	0.44308848
1998	female	all maturity st	all shell condi	19.2631918	1	0.36814851
1999	male	all maturity st	all shell condi	120.905783	1	0.42352651
1999	female	all maturity st	all shell condi	27.4790139	1	0.07381534
2000	male	all maturity st	all shell condi	166.222894	1	0.37345169
2000	female	all maturity st	all shell condi	34.2934324	1	0.08683337
2001	male	all maturity st	all shell condi	519.370996	1	0.36576763
2001	female	all maturity st	all shell condi	142.746973	1	0.04854156
2002	male	all maturity st	all shell condi	67.5421814	1	0.75775097
2002	female	all maturity st	all shell condi	45.4949091	1	0.06876693
2003	male	all maturity st	all shell condi	114.904271	1	0.41713792
2003	female	all maturity st	all shell condi	42.1767172	1	0.10862136
2004	male	all maturity st	all shell condi	24.0752899	1	1.91410803
2004	female	all maturity st	all shell condi	31.6914224	1	0.85840214
2005	male	all maturity st	all shell condi	121.232058	1	4.47422186
2005	female	all maturity st	all shell condi	120.105531	1	0.14870305
2006	male	all maturity st	all shell condi	73.5647385	1	6.02953474
2006	female	all maturity st	all shell condi	37.2128455	1	1.2329104
2007	male	all maturity st	all shell condi	318.151547	1	2.54292095
2007	female	all maturity st	all shell condi	38.9692415	1	0.45172021
2008	male	all maturity st	all shell condi	79.2455335	1	8.20040834
2008	female	all maturity st	all shell condi	15.8445994	1	2.19364791
2009	male	all maturity st	all shell condi	402.431824	1	2.13938376
2009	female	all maturity st	all shell condi	26.5920215	1	0.82063571
2010	male	all maturity st	all shell condi	309.268673	1	1.49673444
2010	female	all maturity st	all shell condi	90.6096201	1	0.16181151
2011	male	all maturity st	all shell condi	171.970345	1	3.87651487
2011	female	all maturity st	all shell condi	54.542328	1	0.16291125
2012	male	all maturity st	all shell condi	113.207294	1	3.86286301

	2012	female	all maturity st	all shell condi	55.2023568	1	0.14590075
	2013	male	all maturity st	all shell condi	252.298796	1	2.54413797
	2013	female	all maturity st	all shell condi	147.432715	1	0.09811023
	2014	male	all maturity st	all shell condi	411.352704	1	3.10951504
	2014	female	all maturity st	all shell condi	95.6451829	1	0.33936958
	2015	male	all maturity st	all shell condi	471.257816	1	2.0253137
	2015	female	all maturity st	all shell condi	84.8690055	1	0.11144971
	2016	male	all maturity st	all shell condi	340.01942	1	3.01226395
	2016	female	all maturity st	all shell condi	85.9015505	1	0.11271442
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.05731949	20	0.07228153
	1973	male	all maturity st	all shell condi	319.766871	1	-1.1144243
	1973	female	all maturity st	all shell condi	232.176243	1	4.22276966
	1974	male	all maturity st	all shell condi	113.283624	1	1.63268035
	1974	female	all maturity st	all shell condi	271.240062	1	2.52117679
	1975	male	all maturity st	all shell condi	109.372692	1	0.56109044
	1975	female	all maturity st	all shell condi	185.778012	1	1.7931178
	1976	male	all maturity st	all shell condi	90.1640622	1	-2.4880534
	1976	female	all maturity st	all shell condi	117.46721	1	21.0530739
	1977	male	all maturity st	all shell condi	153.492684	1	-0.9284083
	1977	female	all maturity st	all shell condi	181.06973	1	17.2024631
	1978	male	all maturity st	all shell condi	189.80669	1	-2.2712858
	1978	female	all maturity st	all shell condi	143.053434	1	26.1951304
	1979	male	all maturity st	all shell condi	492.704623	1	-3.8472176
	1979	female	all maturity st	all shell condi	343.940882	1	12.9631741
	1980	male	all maturity st	all shell condi	809.519832	1	3.96887924
	1980	female	all maturity st	all shell condi	765.757577	1	0.93527005
	1981	male	all maturity st	all shell condi	758.699318	1	-3.7087806
	1981	female	all maturity st	all shell condi	67.5686753	1	11.7825355
	1982	male	all maturity st	all shell condi	415.90639	1	5.71050382
	1982	female	all maturity st	all shell condi	70.4843523	1	19.300943
	1983	male	all maturity st	all shell condi	667.170083	1	18.5791632
	1983	female	all maturity st	all shell condi	185.095179	1	-5.6194212
	1984	male	all maturity st	all shell condi	795.690524	1	21.381964
	1984	female	all maturity st	all shell condi	443.033571	1	-9.8038481
	1985	male	all maturity st	all shell condi	222.666148	1	16.6828733
	1985	female	all maturity st	all shell condi	338.171711	1	-0.5814279
	1986	male	all maturity st	all shell condi	169.284809	1	15.4070802
	1986	female	all maturity st	all shell condi	112.672586	1	4.38178781
	1987	male	all maturity st	all shell condi	203.465533	1	22.395465
	1987	female	all maturity st	all shell condi	521.077739	1	1.39044851

1988	male	all maturity st	all shell condi	230.136137	1	7.95668758
1988	female	all maturity st	all shell condi	191.916795	1	9.568199
1989	male	all maturity st	all shell condi	324.041976	1	4.37909135
1989	female	all maturity st	all shell condi	962.010675	1	13.2667033
1990	male	all maturity st	all shell condi	729.726251	1	17.7228218
1990	female	all maturity st	all shell condi	328.739635	1	-8.4775933
1991	male	all maturity st	all shell condi	274.508995	1	1.77547784
1991	female	all maturity st	all shell condi	176.453721	1	6.55811939
1992	male	all maturity st	all shell condi	163.064466	1	6.17293235
1992	female	all maturity st	all shell condi	61.8274527	1	3.04753462
1993	male	all maturity st	all shell condi	71.2535941	1	4.19536518
1993	female	all maturity st	all shell condi	95.9455429	1	-0.6270073
1994	male	all maturity st	all shell condi	265.877417	1	3.12616038
1994	female	all maturity st	all shell condi	330.874338	1	0.03863783
1995	male	all maturity st	all shell condi	55.6467196	1	12.9621554
1995	female	all maturity st	all shell condi	55.0442725	1	4.1962973
1996	male	all maturity st	all shell condi	186.906715	1	13.5102152
1996	female	all maturity st	all shell condi	380.910035	1	-5.4215084
1997	male	all maturity st	all shell condi	65.3637335	1	17.4646517
1997	female	all maturity st	all shell condi	183.279246	1	3.90071255
1998	male	all maturity st	all shell condi	201.249044	1	5.40841086
1998	female	all maturity st	all shell condi	301.638726	1	6.13791095
1999	male	all maturity st	all shell condi	407.631586	1	4.94966055
1999	female	all maturity st	all shell condi	1078.25139	1	2.17623656
2000	male	all maturity st	all shell condi	320.884618	1	6.20596155
2000	female	all maturity st	all shell condi	532.618195	1	0.80256635
2001	male	all maturity st	all shell condi	972.417623	1	7.67273764
2001	female	all maturity st	all shell condi	1210.04739	1	-3.3409382
2002	male	all maturity st	all shell condi	516.66796	1	8.74842612
2002	female	all maturity st	all shell condi	894.985135	1	0.04844945
2003	male	all maturity st	all shell condi	211.347516	1	4.27605214
2003	female	all maturity st	all shell condi	300.474806	1	5.26802727
2004	male	all maturity st	all shell condi	98.7983334	1	-1.1736455
2004	female	all maturity st	all shell condi	29.6171517	1	42.0004038
2005	male	all maturity st	all shell condi	1679.63866	1	3.69862953
2005	female	all maturity st	all shell condi	1615.46074	1	1.16077617
2006	male	all maturity st	all shell condi	166.234174	1	13.3899929
2006	female	all maturity st	all shell condi	177.427068	1	2.58221437
2007	male	all maturity st	all shell condi	179.011454	1	9.92736306
2007	female	all maturity st	all shell condi	105.212027	1	8.05335174
2008	male	all maturity st	all shell condi	165.687672	1	27.5062034

	2008	female	all maturity st	all shell condi	215.290487	1	-9.396357
	2009	male	all maturity st	all shell condi	244.645496	1	14.793929
	2009	female	all maturity st	all shell condi	456.198806	1	-6.8959926
	2010	male	all maturity st	all shell condi	442.348953	1	6.91556701
	2010	female	all maturity st	all shell condi	1277.47109	1	-2.6234664
	2011	male	all maturity st	all shell condi	95.7280924	1	9.5334528
	2011	female	all maturity st	all shell condi	74.4382393	1	19.88355
	2012	male	all maturity st	all shell condi	290.782227	1	-6.8606304
	2012	female	all maturity st	all shell condi	113.106589	1	14.1269857
	2013	male	all maturity st	all shell condi	277.424653	1	1.36465915
	2013	female	all maturity st	all shell condi	552.594619	1	10.2669173
	2014	male	all maturity st	all shell condi	679.218062	1	11.3184235
	2014	female	all maturity st	all shell condi	741.301041	1	-6.3112982
	2015	male	all maturity st	all shell condi	177.856722	1	18.8209229
	2015	female	all maturity st	all shell condi	284.778084	1	0.08878838
	2016	male	all maturity st	all shell condi	162.366161	1	-1.0424818
	2016	female	all maturity st	all shell condi	56.3831884	1	24.6477602
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.03589529	20	0.01481742
all		female	all maturity st	all shell condi	0.01061109	20	0.00129484
	1992	male	all maturity st	all shell condi	85.1957891	1	1.33750829
	1992	female	all maturity st	all shell condi	73.9930431	1	0.13166293
	1993	male	all maturity st	all shell condi	272.222192	1	1.94077063
	1993	female	all maturity st	all shell condi	365.795639	1	0.23947201
	1996	male	all maturity st	all shell condi	53.8431822	1	0.13664953
	1996	female	all maturity st	all shell condi	3.52290389	1	0.03158701
	1997	male	all maturity st	all shell condi	16.0589402	1	3.176665
	1997	female	all maturity st	all shell condi	29.5890428	1	0.05530169
	1998	male	all maturity st	all shell condi	43.5599223	1	0.51143106
	1998	female	all maturity st	all shell condi	21.6463833	1	0.07038334
	1999	male	all maturity st	all shell condi	62.3267958	1	0.22678
	1999	female	all maturity st	all shell condi	19.4245857	1	0.02578552
	2000	male	all maturity st	all shell condi	220.353277	1	0.48962693
	2000	female	all maturity st	all shell condi	45.0042589	1	0.05943282
	2001	male	all maturity st	all shell condi	111.445418	1	0.27639237
	2001	female	all maturity st	all shell condi	55.6831584	1	0.03583493
	2002	male	all maturity st	all shell condi	126.073223	1	0.37943312
	2002	female	all maturity st	all shell condi	37.0881656	1	0.04876927
	2003	male	all maturity st	all shell condi	88.761369	1	0.45942038
	2003	female	all maturity st	all shell condi	51.2013856	1	0.09416455

2004	male	all maturity st	all shell condi	45.3436166	1	0.58457447
2004	female	all maturity st	all shell condi	21.1415265	1	0.057127
2005	male	all maturity st	all shell condi	51.4289125	1	1.45061082
2005	female	all maturity st	all shell condi	13.0661588	1	0.16898263
2006	male	all maturity st	all shell condi	26.1256997	1	1.81109224
2006	female	all maturity st	all shell condi	26.9453109	1	0.25459327
2007	male	all maturity st	all shell condi	130.94218	1	0.84076359
2007	female	all maturity st	all shell condi	102.171664	1	0.08774919
2008	male	all maturity st	all shell condi	50.4173342	1	3.59767848
2008	female	all maturity st	all shell condi	106.321281	1	0.11102481
2009	male	all maturity st	all shell condi	20.2672163	1	7.70434971
2009	female	all maturity st	all shell condi	133.569078	1	0.04668177
2010	male	all maturity st	all shell condi	58.5388447	1	0.73008102
2010	female	all maturity st	all shell condi	35.5077997	1	0.04546914
2011	male	all maturity st	all shell condi	84.9361515	1	0.29411554
2011	female	all maturity st	all shell condi	5.41462095	1	0.02157516
2012	male	all maturity st	all shell condi	117.921898	1	0.43173369
2012	female	all maturity st	all shell condi	6.49373597	1	0.23209579
2013	male	all maturity st	all shell condi	63.4327734	1	1.72078291
2013	female	all maturity st	all shell condi	9.58277648	1	0.18221185
2014	male	all maturity st	all shell condi	145.197161	1	1.42072974
2014	female	all maturity st	all shell condi	21.8665482	1	0.07227765
2015	male	all maturity st	all shell condi	333.599774	1	0.51990022
2015	female	all maturity st	all shell condi	101.941909	1	0.07355926
2016	male	all maturity st	all shell condi	28.2381968	1	6.15268688
2016	female	all maturity st	all shell condi	19.7299437	1	0.51268157
2015	male	immature	new shell	0.76478037	1	110.989174
2016	male	immature	new shell	0.76478037	1	127.344212
2015	female	immature	new shell	0.51227033	1	80.7512644
2016	female	immature	new shell	0.51227033	1	72.0279523
1994	male	immature	new shell	0.76844373	0	15.2266654
1995	male	immature	new shell	0.76844373	0	36.1234993
1996	male	immature	new shell	0.76844373	0	403.228582
1997	male	immature	new shell	0.76844373	0	570.768911
1998	male	immature	new shell	0.76844373	0	609.490792
1999	male	immature	new shell	0.76844373	0	507.702048
2000	male	immature	new shell	0.76844373	0	818.879633
2001	male	immature	new shell	0.76844373	0	1000.54451
2002	male	immature	new shell	0.76844373	0	931.513842
2003	male	immature	new shell	0.76844373	0	320.211022
2004	male	immature	new shell	0.76844373	0	200.967081

	2005	male	immature	new shell	0.76844373	0	113.749875
	2006	male	immature	new shell	0.76844373	0	13.6292413
	2011	male	immature	new shell	0.76844373	0	2.23372977
	2012	male	immature	new shell	0.76844373	0	3.52212143
	1994	female	immature	new shell	0.63018427	0	18.2252488
	1995	female	immature	new shell	0.63018427	0	18.7862053
	1996	female	immature	new shell	0.63018427	0	235.629069
	1997	female	immature	new shell	0.63018427	0	183.955927
	1998	female	immature	new shell	0.63018427	0	255.469732
	1999	female	immature	new shell	0.63018427	0	372.259855
	2000	female	immature	new shell	0.63018427	0	682.953984
	2001	female	immature	new shell	0.63018427	0	607.561554
	2002	female	immature	new shell	0.63018427	0	329.054688
	2003	female	immature	new shell	0.63018427	0	98.9030152
	2004	female	immature	new shell	0.63018427	0	109.59901
	2005	female	immature	new shell	0.63018427	0	23.7126228
	2006	female	immature	new shell	0.63018427	0	7.11366376
	2012	female	immature	new shell	0.63018427	0	2.32568811
	1990	male		new shell	11.8673172	1	74.6944478
	1991	male		new shell	11.8673172	1	72.3208766
	1992	male		new shell	11.8673172	1	18.4441747
	1993	male		new shell	11.8673172	1	37.3616219
	1994	male		new shell	11.8673172	1	24.0579444
	1995	male		new shell	11.8673172	1	15.0951231
	1997	male		new shell	11.8673172	1	8.50951393
	1998	male		new shell	11.8673172	1	31.070083
	1999	male		new shell	11.8673172	1	9.87066859
	2000	male		new shell	11.8673172	1	26.6026304
	2001	male		new shell	11.8673172	1	31.9520585
	2002	male		new shell	11.8673172	1	24.3609205
	2003	male		new shell	11.8673172	1	16.0305003
	2004	male		new shell	11.8673172	1	21.076292
	2005	male		new shell	11.8673172	1	74.1008534
	2008	male		new shell	11.8673172	1	63.5056141
	2010	male		new shell	11.8673172	1	88.6517699
	2012	male		new shell	11.8673172	1	15.9876942
	2014	male		new shell	11.8673172	1	30.2227383
	2016	male		new shell	11.8673172	1	35.2663389
	2017	male		new shell	11.8673172	1	23.9231111
all		male	immature	new shell	0.09975135	1	2966.28636
all		male	mature	new shell	0.09975135	1	2966.28636

all		male	immature	old shell	0.09975135	1	2966.28636
all		male	mature	old shell	0.09975135	1	2966.28636
all		female	immature	new shell	0.09975135	1	2966.28636
all		female	mature	new shell	0.09975135	1	2966.28636
all		female	immature	old shell	0.09975135	1	2966.28636
all		female	mature	old shell	0.09975135	1	2966.28636
all		male	immature	new shell	0.09975135	1	33807.508
all		male	mature	new shell	0.09975135	1	33807.508
all		male	immature	old shell	0.09975135	1	33807.508
all		male	mature	old shell	0.09975135	1	33807.508
all		female	immature	new shell	0.09975135	1	33807.508
all		female	mature	new shell	0.09975135	1	33807.508
all		female	immature	old shell	0.09975135	1	33807.508
all		female	mature	old shell	0.09975135	1	33807.508
all		male	immature	all shell condi	2.60455649	0	145.849862
all		male	mature	all shell condi	2.10515701	0	95.28125
all		female	immature	all shell condi	2.50141406	0	134.527054
all		female	mature	all shell condi	2.15429904	0	99.7815932
all		male	mature	all shell condi	2.02925151	0	88.5340262
all		female	mature	all shell condi	2.10886114	0	95.616849
	1975	male	immature	all shell condi	670.246346	0	4.91381591
	1975	male	mature	all shell condi	71.7576327	0	52.1813869
	1975	female	immature	all shell condi	232.424224	0	3.43092578
	1975	female	mature	all shell condi	99.9311509	0	-12.911857
	1976	male	immature	all shell condi	397.488664	0	11.2007006
	1976	male	mature	all shell condi	213.844482	0	3.04082132
	1976	female	immature	all shell condi	92.3159477	0	21.4342242
	1976	female	mature	all shell condi	163.8751	0	-9.7220282
	1977	male	immature	all shell condi	151.992092	0	8.9850399
	1977	male	mature	all shell condi	196.752792	0	-8.610216
	1977	female	immature	all shell condi	28.1366238	0	51.1119463
	1977	female	mature	all shell condi	387.412422	0	-7.8410341
	1978	male	immature	all shell condi	336.488832	0	1.55831401
	1978	male	mature	all shell condi	344.306089	0	1.50036758
	1978	female	immature	all shell condi	57.9366032	0	23.9088639
	1978	female	mature	all shell condi	1061.25749	0	-4.5864503
	1979	male	immature	all shell condi	120.917031	0	17.9720084
	1979	male	mature	all shell condi	284.984733	0	-6.8198298
	1979	female	immature	all shell condi	323.561687	0	-2.4771506
	1979	female	mature	all shell condi	75.7986356	0	22.3870927
	1980	male	immature	all shell condi	79.9066579	0	31.8714075

1980	male	mature	all shell condi	143.995046	0	-11.866578
1980	female	immature	all shell condi	776.84561	0	2.79252796
1980	female	mature	all shell condi	46.2356449	0	19.1191958
1981	male	immature	all shell condi	485.767374	0	7.32025978
1981	male	mature	all shell condi	258.621118	0	-12.024847
1981	female	immature	all shell condi	183.675832	0	-4.3845691
1981	female	mature	all shell condi	22.3512696	0	64.6287641
1982	male	immature	all shell condi	192.65202	0	-13.87806
1982	male	mature	all shell condi	212.622547	0	-13.804814
1982	female	immature	all shell condi	152.221828	0	-6.7570969
1982	female	mature	all shell condi	6.35142303	0	145.196124
1983	male	immature	all shell condi	114.582554	0	11.4377281
1983	male	mature	all shell condi	280.379384	0	-7.4399063
1983	female	immature	all shell condi	96.4099448	0	16.2019426
1983	female	mature	all shell condi	113.660579	0	17.5635432
1984	male	immature	all shell condi	259.280981	0	-10.932074
1984	male	mature	all shell condi	278.38152	0	11.3798902
1984	female	immature	all shell condi	134.032269	0	-1.7416161
1984	female	mature	all shell condi	78.4668608	0	28.762671
1985	male	immature	all shell condi	156.648424	0	-18.903752
1985	male	mature	all shell condi	79.220369	0	34.5079311
1985	female	immature	all shell condi	91.6906884	0	-18.225171
1985	female	mature	all shell condi	44.6416094	0	43.655395
1986	male	immature	all shell condi	182.97485	0	6.36416047
1986	male	mature	all shell condi	75.2052238	0	28.5414525
1986	female	immature	all shell condi	65.116875	0	-5.3155409
1986	female	mature	all shell condi	253.052404	0	3.68190022
1987	male	immature	all shell condi	95.4799227	0	7.34306129
1987	male	mature	all shell condi	511.75477	0	10.0369713
1987	female	immature	all shell condi	36.4862274	0	60.1067059
1987	female	mature	all shell condi	393.315867	0	-2.6116942
1988	male	immature	all shell condi	202.660592	0	-1.6139926
1988	male	mature	all shell condi	185.353461	0	20.3467478
1988	female	immature	all shell condi	101.674035	0	-9.5609298
1988	female	mature	all shell condi	60.9480574	0	27.8451232
1989	male	immature	all shell condi	351.686936	0	-3.2375091
1989	male	mature	all shell condi	350.991238	0	13.102164
1989	female	immature	all shell condi	217.217654	0	4.86512728
1989	female	mature	all shell condi	321.792006	0	0.53688072
1990	male	immature	all shell condi	448.541354	0	-10.052465
1990	male	mature	all shell condi	774.093699	0	2.71730128

1990	female	immature	all shell condi	297.11023	0	1.54775445
1990	female	mature	all shell condi	143.523117	0	21.5205655
1991	male	immature	all shell condi	222.775233	0	-0.409418
1991	male	mature	all shell condi	855.948309	0	-3.6439914
1991	female	immature	all shell condi	136.378367	0	6.38753159
1991	female	mature	all shell condi	319.616692	0	17.2130441
1992	male	immature	all shell condi	527.781997	0	5.35339717
1992	male	mature	all shell condi	353.643837	0	2.74811927
1992	female	immature	all shell condi	310.377495	0	3.53967101
1992	female	mature	all shell condi	3375.48723	0	2.08030268
1993	male	immature	all shell condi	506.942368	0	14.6936363
1993	male	mature	all shell condi	565.170019	0	2.19681486
1993	female	immature	all shell condi	535.027298	0	4.21931557
1993	female	mature	all shell condi	374.059516	0	-11.403379
1994	male	immature	all shell condi	296.294431	0	9.63768026
1994	male	mature	all shell condi	836.700832	0	-4.5055481
1994	female	immature	all shell condi	76.8148303	0	19.3768661
1994	female	mature	all shell condi	691.735939	0	-9.0895227
1995	male	immature	all shell condi	334.888051	0	-6.0174724
1995	male	mature	all shell condi	594.326297	0	0.88931485
1995	female	immature	all shell condi	317.963104	0	-3.703109
1995	female	mature	all shell condi	115.534722	0	26.2490605
1996	male	immature	all shell condi	444.092794	0	-5.8381814
1996	male	mature	all shell condi	632.361211	0	6.65773005
1996	female	immature	all shell condi	225.849845	0	-3.7178551
1996	female	mature	all shell condi	200.675127	0	17.0160515
1997	male	immature	all shell condi	296.072657	0	3.19224826
1997	male	mature	all shell condi	2041.32002	0	-3.2598896
1997	female	immature	all shell condi	96.5463228	0	19.4648284
1997	female	mature	all shell condi	901.620227	0	-5.6839821
1998	male	immature	all shell condi	134.267833	0	14.4688683
1998	male	mature	all shell condi	1973.47748	0	-1.5531666
1998	female	immature	all shell condi	216.161397	0	17.7741758
1998	female	mature	all shell condi	189.408124	0	-9.9158285
1999	male	immature	all shell condi	156.634771	0	11.1009997
1999	male	mature	all shell condi	876.516292	0	2.18249614
1999	female	immature	all shell condi	193.733761	0	9.52886232
1999	female	mature	all shell condi	453.250635	0	-5.0246896
2000	male	immature	all shell condi	154.408135	0	6.42829148
2000	male	mature	all shell condi	1417.47042	0	5.16836281
2000	female	immature	all shell condi	241.559592	0	3.67736985

2000	female	mature	all shell condi	421.918343	0	-1.9298789
2001	male	immature	all shell condi	224.271974	0	12.0511375
2001	male	mature	all shell condi	878.641727	0	-4.6688033
2001	female	immature	all shell condi	252.129038	0	14.945629
2001	female	mature	all shell condi	392.00081	0	-5.1813161
2002	male	immature	all shell condi	134.087293	0	8.02511189
2002	male	mature	all shell condi	1670.53054	0	-2.0703057
2002	female	immature	all shell condi	92.4664053	0	20.1585297
2002	female	mature	all shell condi	866.008787	0	-3.9827819
2003	male	immature	all shell condi	322.556094	0	4.61391733
2003	male	mature	all shell condi	1957.74318	0	1.30310531
2003	female	immature	all shell condi	231.720202	0	-1.4496751
2003	female	mature	all shell condi	259.347042	0	9.41474848
2004	male	immature	all shell condi	204.483834	0	2.27454414
2004	male	mature	all shell condi	485.217116	0	12.2061039
2004	female	immature	all shell condi	171.066287	0	13.0107842
2004	female	mature	all shell condi	306.838672	0	-4.560897
2005	male	immature	all shell condi	337.62729	0	-0.2891663
2005	male	mature	all shell condi	1599.66348	0	-4.0113192
2005	female	immature	all shell condi	189.838766	0	21.0574265
2005	female	mature	all shell condi	1798.88469	0	-2.4056234
2006	male	immature	all shell condi	438.002329	0	6.46710057
2006	male	mature	all shell condi	1033.11674	0	2.65743069
2006	female	immature	all shell condi	178.655404	0	12.54315
2006	female	mature	all shell condi	711.513301	0	-5.1244146
2007	male	immature	all shell condi	283.877406	0	21.5222269
2007	male	mature	all shell condi	622.824355	0	4.07941637
2007	female	immature	all shell condi	1142.81165	0	1.87834199
2007	female	mature	all shell condi	196.178015	0	-11.021078
2008	male	immature	all shell condi	828.50107	0	9.57851699
2008	male	mature	all shell condi	784.552472	0	2.68514772
2008	female	immature	all shell condi	586.958746	0	3.87475207
2008	female	mature	all shell condi	641.492286	0	-6.7271693
2009	male	immature	all shell condi	202.988136	0	4.76677605
2009	male	mature	all shell condi	574.01241	0	5.29481958
2009	female	immature	all shell condi	99.5118587	0	5.12343286
2009	female	mature	all shell condi	1698.63429	0	1.39397748
2010	male	immature	all shell condi	429.927187	0	-1.0547653
2010	male	mature	all shell condi	333.060758	0	14.985735
2010	female	immature	all shell condi	210.483111	0	-2.4845075
2010	female	mature	all shell condi	10966.7955	0	-1.1076781

	2011	male	immature	all shell condi	593.48837	0	3.92491172
	2011	male	mature	all shell condi	1725.38918	0	4.30969085
	2011	female	immature	all shell condi	249.864175	0	7.85819894
	2011	female	mature	all shell condi	427.978017	0	-4.7799579
	2012	male	immature	all shell condi	417.425901	0	9.85643666
	2012	male	mature	all shell condi	1233.29932	0	3.76137645
	2012	female	immature	all shell condi	195.219655	0	1.97774519
	2012	female	mature	all shell condi	753.32397	0	-1.9460357
	2013	male	immature	all shell condi	865.15713	0	4.27363774
	2013	male	mature	all shell condi	322.931327	0	8.19953907
	2013	female	immature	all shell condi	517.489266	0	0.00311428
	2013	female	mature	all shell condi	1790.99722	0	-1.0242227
	2014	male	immature	all shell condi	410.415447	0	10.5702931
	2014	male	mature	all shell condi	502.11905	0	4.99559925
	2014	female	immature	all shell condi	105.678664	0	14.1918338
	2014	female	mature	all shell condi	442.611172	0	-8.0671535
	2015	male	immature	all shell condi	1102.70109	0	5.01171751
	2015	male	mature	all shell condi	624.450126	0	3.75261661
	2015	female	immature	all shell condi	634.285077	0	2.57561561
	2015	female	mature	all shell condi	333.27352	0	0.84133548
	2016	male	immature	all shell condi	490.382203	0	5.51875361
	2016	male	mature	all shell condi	167.225816	0	23.4046867
	2016	female	immature	all shell condi	412.473375	0	0.47479678
	2016	female	mature	all shell condi	272.034121	0	-6.7634157
	2017	male	immature	all shell condi	98.5709367	0	-0.5789639
	2017	male	mature	all shell condi	145.489786	0	24.9077192
	2017	female	immature	all shell condi	73.2035291	0	6.81217241
	2017	female	mature	all shell condi	534.390925	0	1.09248899
all		male	all maturity st	new shell	2.6548156	1	151.532986
all		male	all maturity st	old shell	3.41360936	1	250.533671
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
all		male	all maturity st	new shell	2.44604005	1	128.636907
all		male	all maturity st	old shell	2.69737769	1	156.430697
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
	1975	male	all maturity st	new shell	58.6847956	1	29.6002499
	1975	male	all maturity st	old shell	26.6484988	1	43.0073897
	1976	male	all maturity st	new shell	188.760387	1	8.93345244
	1976	male	all maturity st	old shell	19.3989382	1	60.0684309
	1977	male	all maturity st	new shell	80.4040424	1	14.9486705

1977	male	all maturity st	old shell	64.1871798	1	22.4849219
1978	male	all maturity st	new shell	141.95333	1	9.6346865
1978	male	all maturity st	old shell	51.098079	1	24.7507147
1979	male	all maturity st	new shell	68.3070174	1	13.5067846
1979	male	all maturity st	old shell	35.9388339	1	35.1714529
1980	male	all maturity st	new shell	48.9790187	1	18.9306186
1980	male	all maturity st	old shell	34.7191362	1	35.3865059
1981	male	all maturity st	new shell	65.6813609	1	17.8976549
1981	male	all maturity st	old shell	33.9989982	1	28.0039358
1982	male	all maturity st	new shell	70.3608574	1	17.5576081
1982	male	all maturity st	old shell	246.419318	1	5.70794833
1983	male	all maturity st	new shell	39.051205	1	26.0491138
1983	male	all maturity st	old shell	65.6697907	1	17.8131117
1984	male	all maturity st	new shell	80.5060886	1	7.92334827
1984	male	all maturity st	old shell	45.7963082	1	23.3798754
1985	male	all maturity st	new shell	99.1613892	1	12.0473326
1985	male	all maturity st	old shell	43.8971261	1	27.5563543
1986	male	all maturity st	new shell	58.1320358	1	15.7818331
1986	male	all maturity st	old shell	84.8640843	1	12.7691182
1987	male	all maturity st	new shell	39.7406782	1	19.964297
1987	male	all maturity st	old shell	190.188291	1	9.7073146
1988	male	all maturity st	new shell	63.8021045	1	17.982348
1988	male	all maturity st	old shell	201.947396	1	10.4053238
1989	male	all maturity st	new shell	133.626681	1	10.837596
1989	male	all maturity st	old shell	376.859206	1	7.10770969
1990	male	all maturity st	new shell	285.394764	1	5.29039462
1990	male	all maturity st	old shell	151.3532	1	9.32641355
1991	male	all maturity st	new shell	133.990017	1	9.2006051
1991	male	all maturity st	old shell	146.757394	1	10.4637126
1992	male	all maturity st	new shell	186.563879	1	6.94935127
1992	male	all maturity st	old shell	76.4852647	1	13.0239092
1993	male	all maturity st	new shell	451.965648	1	2.92356917
1993	male	all maturity st	old shell	155.910697	1	6.14930384
1994	male	all maturity st	new shell	178.198889	1	5.76680182
1994	male	all maturity st	old shell	145.539034	1	6.90748436
1995	male	all maturity st	new shell	97.7462759	1	9.72646178
1995	male	all maturity st	old shell	123.415104	1	8.63836999
1996	male	all maturity st	new shell	128.038988	1	10.8859185
1996	male	all maturity st	old shell	106.442216	1	8.35498335
1997	male	all maturity st	new shell	117.075748	1	8.27434711
1997	male	all maturity st	old shell	396.438221	1	5.28907805

	1998	male	all maturity st	new shell	78.3329008	1	10.1929074
	1998	male	all maturity st	old shell	248.893601	1	6.57424182
	1999	male	all maturity st	new shell	87.8057055	1	9.22448331
	1999	male	all maturity st	old shell	104.863244	1	11.9225191
	2000	male	all maturity st	new shell	88.8577149	1	6.45481842
	2000	male	all maturity st	old shell	149.760886	1	9.90480911
	2001	male	all maturity st	new shell	110.295897	1	9.47055996
	2001	male	all maturity st	old shell	265.264591	1	7.94230267
	2002	male	all maturity st	new shell	50.0076933	1	15.4617402
	2002	male	all maturity st	old shell	378.040801	1	4.75079644
	2003	male	all maturity st	new shell	137.035497	1	8.06217574
	2003	male	all maturity st	old shell	305.435174	1	6.55173368
	2004	male	all maturity st	new shell	93.8476403	1	9.66489627
	2004	male	all maturity st	old shell	57.4962032	1	37.6781882
	2005	male	all maturity st	new shell	141.883992	1	7.50976777
	2005	male	all maturity st	old shell	450.013884	1	5.90125289
	2006	male	all maturity st	new shell	140.071025	1	9.14834491
	2006	male	all maturity st	old shell	343.917863	1	7.70510664
	2007	male	all maturity st	new shell	279.658664	1	6.0528247
	2007	male	all maturity st	old shell	220.516078	1	13.3718634
	2008	male	all maturity st	new shell	441.471954	1	3.40661674
	2008	male	all maturity st	old shell	135.730182	1	12.3959249
	2009	male	all maturity st	new shell	70.5290733	1	10.7630948
	2009	male	all maturity st	old shell	113.793888	1	10.2809622
	2010	male	all maturity st	new shell	89.5921702	1	12.1228973
	2010	male	all maturity st	old shell	167.672114	1	8.01929536
	2011	male	all maturity st	new shell	266.690758	1	2.69097594
	2011	male	all maturity st	old shell	170.278588	1	8.56873039
	2012	male	all maturity st	new shell	248.203675	1	3.39067255
	2012	male	all maturity st	old shell	137.970104	1	9.21170252
	2013	male	all maturity st	new shell	181.35598	1	6.89153865
	2013	male	all maturity st	old shell	239.877916	1	9.84891204
	2014	male	all maturity st	new shell	223.819821	1	6.87562615
	2014	male	all maturity st	old shell	145.720939	1	8.67269185
	2015	male	all maturity st	new shell	477.378075	1	4.9108351
	2015	male	all maturity st	old shell	183.442421	1	7.48107108
	2016	male	all maturity st	new shell	186.672082	1	8.84421622
	2016	male	all maturity st	old shell	109.150032	1	11.6635901
	2017	male	all maturity st	new shell	25.9421186	1	17.5819147
	2017	male	all maturity st	old shell	96.063135	1	11.9476587
all		male	immature	new shell	0	1	0

all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.50141406	1	134.527054
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.23072902	1	106.987267
all		female	mature	old shell	2.50867809	1	135.309514
all		male	immature	new shell	0	1	0
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all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.26668458	1	110.463968
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.19597661	1	103.679735
all		female	mature	old shell	2.37158174	1	120.924599
	1975	female	immature	new shell	25.1068982	1	17.4085564
	1975	female	mature	new shell	64.7211613	1	4.58171946
	1975	female	mature	old shell	11.8437755	1	21.1823779
	1976	female	immature	new shell	35.042801	1	9.71996974
	1976	female	mature	new shell	285.683766	1	2.11256285
	1976	female	mature	old shell	12.0844657	1	23.0904655
	1977	female	immature	new shell	28.7175532	1	10.8863294
	1977	female	mature	new shell	379.389088	1	2.42119019
	1977	female	mature	old shell	44.1075316	1	7.76816946
	1978	female	immature	new shell	23.5871446	1	11.9254173
	1978	female	mature	new shell	91.1941754	1	2.92002226
	1978	female	mature	old shell	90.1773148	1	3.62565517
	1979	female	immature	new shell	37.1969934	1	6.15503927
	1979	female	mature	new shell	21.381312	1	16.0419428
	1979	female	mature	old shell	49.1207577	1	6.27077579
	1980	female	immature	new shell	110.373575	1	3.22164747
	1980	female	mature	new shell	8.685171	1	26.5007057
	1980	female	mature	old shell	41.7544763	1	5.91537943
	1981	female	immature	new shell	28.1005881	1	16.0179319
	1981	female	mature	new shell	7.67250616	1	42.9392737
	1981	female	mature	old shell	169.604936	1	4.40508709
	1982	female	immature	new shell	44.7753173	1	16.2142077
	1982	female	mature	new shell	7.49249625	1	32.1632937
	1982	female	mature	old shell	22.2466157	1	11.9318805
	1983	female	immature	new shell	36.510142	1	8.9946477
	1983	female	mature	new shell	61.4313839	1	6.13838201

1983	female	mature	old shell	61.7604121	1	4.32912927
1984	female	immature	new shell	28.9632659	1	7.23176673
1984	female	mature	new shell	25.6386369	1	8.6472166
1984	female	mature	old shell	210.173466	1	2.00246232
1985	female	immature	new shell	89.9862432	1	4.9584756
1985	female	mature	new shell	13.7859181	1	33.9381942
1985	female	mature	old shell	223.577535	1	2.14733016
1986	female	immature	new shell	28.3569044	1	12.4828163
1986	female	mature	new shell	8.55795227	1	28.6713916
1986	female	mature	old shell	39.3900521	1	7.82756982
1987	female	immature	new shell	13.4242066	1	48.7069341
1987	female	mature	new shell	38.1188363	1	10.2338564
1987	female	mature	old shell	26.2407903	1	14.8853377
1988	female	immature	new shell	51.2415969	1	11.6925946
1988	female	mature	new shell	13.1144955	1	27.0790419
1988	female	mature	old shell	42.4713925	1	9.00644835
1989	female	immature	new shell	63.9536195	1	3.84631634
1989	female	mature	new shell	23.9804381	1	13.2928203
1989	female	mature	old shell	41.7701145	1	10.5503765
1990	female	immature	new shell	57.7577734	1	6.05553107
1990	female	mature	new shell	170.685114	1	2.21796564
1990	female	mature	old shell	36.5825674	1	10.7779962
1991	female	immature	new shell	18.6788394	1	15.9674681
1991	female	mature	new shell	93.6914962	1	2.9875815
1991	female	mature	old shell	155.426114	1	3.12531683
1992	female	immature	new shell	28.6766614	1	13.9952253
1992	female	mature	new shell	51.0641714	1	7.25990559
1992	female	mature	old shell	186.641871	1	2.25125825
1993	female	immature	new shell	63.1354996	1	7.08384341
1993	female	mature	new shell	21.9242065	1	12.4946022
1993	female	mature	old shell	247.927874	1	1.30972121
1994	female	immature	new shell	28.2534881	1	10.770926
1994	female	mature	new shell	34.5073317	1	10.7182751
1994	female	mature	old shell	490.884913	1	1.06635056
1995	female	immature	new shell	69.102934	1	6.6853704
1995	female	mature	new shell	34.1355523	1	12.2350681
1995	female	mature	old shell	601.633083	1	0.58873959
1996	female	immature	new shell	58.1845861	1	8.39812874
1996	female	mature	new shell	31.0827845	1	9.82397251
1996	female	mature	old shell	286.223338	1	1.27000321
1997	female	immature	new shell	54.260464	1	4.55377966

1997	female	mature	new shell	103.950724	1	3.34916645
1997	female	mature	old shell	218.457081	1	2.10531012
1998	female	immature	new shell	176.850903	1	1.97039736
1998	female	mature	new shell	66.2014787	1	6.07651878
1998	female	mature	old shell	259.978451	1	2.67002335
1999	female	immature	new shell	77.8872745	1	4.59853052
1999	female	mature	new shell	19.4519694	1	12.2091821
1999	female	mature	old shell	150.835873	1	2.59911974
2000	female	immature	new shell	73.1081581	1	3.1890628
2000	female	mature	new shell	65.9968438	1	4.23894123
2000	female	mature	old shell	34.322925	1	10.1973321
2001	female	immature	new shell	158.056563	1	2.24467883
2001	female	mature	new shell	148.703803	1	5.32518566
2001	female	mature	old shell	72.2050062	1	4.17925366
2002	female	immature	new shell	47.6181061	1	5.8221809
2002	female	mature	new shell	37.9924945	1	8.40521068
2002	female	mature	old shell	100.91331	1	2.87886085
2003	female	immature	new shell	66.2543539	1	4.91398047
2003	female	mature	new shell	106.513733	1	3.43944018
2003	female	mature	old shell	41.5327774	1	10.0596258
2004	female	immature	new shell	79.6871223	1	5.24872799
2004	female	mature	new shell	170.986219	1	1.63063317
2004	female	mature	old shell	41.2515314	1	10.6332797
2005	female	immature	new shell	280.384	1	1.80968459
2005	female	mature	new shell	151.216738	1	4.28549697
2005	female	mature	old shell	227.658278	1	3.21283185
2006	female	immature	new shell	49.6571573	1	8.07599989
2006	female	mature	new shell	282.214506	1	1.99247143
2006	female	mature	old shell	105.870009	1	4.1701849
2007	female	immature	new shell	191.220303	1	2.50610388
2007	female	mature	new shell	68.5383738	1	6.51831771
2007	female	mature	old shell	718.757465	1	0.79407
2008	female	immature	new shell	85.2891839	1	4.61415825
2008	female	mature	new shell	87.1483385	1	5.03098035
2008	female	mature	old shell	417.596083	1	1.40458485
2009	female	immature	new shell	24.8096558	1	9.32313105
2009	female	mature	new shell	41.3084425	1	5.24745763
2009	female	mature	old shell	348.968089	1	1.07012423
2010	female	immature	new shell	88.5460268	1	5.10395944
2010	female	mature	new shell	211.385086	1	1.97506179
2010	female	mature	old shell	902.023356	1	0.94536953

	2011	female	immature	new shell	82.3234329	1	5.40623922
	2011	female	mature	new shell	31.490067	1	7.32078684
	2011	female	mature	old shell	293.332787	1	2.11976107
	2012	female	immature	new shell	48.6182743	1	7.87546306
	2012	female	mature	new shell	47.1754124	1	5.35376332
	2012	female	mature	old shell	289.599594	1	1.30229389
	2013	female	immature	new shell	97.4386553	1	4.61903645
	2013	female	mature	new shell	384.888308	1	0.91964339
	2013	female	mature	old shell	66.3096797	1	4.7047869
	2014	female	immature	new shell	20.4501552	1	18.8386981
	2014	female	mature	new shell	49.9973876	1	4.50704929
	2014	female	mature	old shell	85.2717476	1	4.13689826
	2015	female	immature	new shell	83.8040763	1	5.01933007
	2015	female	mature	new shell	17.3518631	1	14.0218041
	2015	female	mature	old shell	99.0844441	1	3.4555112
	2016	female	immature	new shell	48.2631306	1	8.81642869
	2016	female	mature	new shell	77.387665	1	7.62652362
	2016	female	mature	old shell	45.9978108	1	5.93333309
	2017	female	immature	new shell	16.0770756	1	12.4285758
	2017	female	mature	new shell	23.7066808	1	18.9900122
	2017	female	mature	old shell	77.0989091	1	2.98406453
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.18358338	20	0.64035426
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	25.3278679	1	13.4476571
	1981	male	all maturity st	all shell condi	928.112787	1	0.68255426
	1982	male	all maturity st	all shell condi	399.100529	1	2.27092438
	1983	male	all maturity st	all shell condi	58.451219	1	1.32224381
	1984	male	all maturity st	all shell condi	323.353116	1	0.773999
	1988	male	all maturity st	all shell condi	62.687443	1	8.28916812
	1989	male	all maturity st	all shell condi	216.345338	1	0.8842735
	1990	male	all maturity st	all shell condi	68.1606655	1	10.4794224
	1991	male	all maturity st	all shell condi	409.791495	1	2.75965119
	1992	male	all maturity st	all shell condi	84.9636946	1	14.338474
	1993	male	all maturity st	all shell condi	162.928695	1	6.7866254
	1994	male	all maturity st	all shell condi	137.788332	1	10.3522866
	1995	male	all maturity st	all shell condi	213.926407	1	0.61051421
	1996	male	all maturity st	all shell condi	208.508526	1	1.27012395
	2005	male	all maturity st	all shell condi	15.0611945	1	1.43225777
	2006	male	all maturity st	all shell condi	181.625653	1	0.89590948

	2007	male	all maturity st	all shell condi	789.6504	1	1.24306896
	2008	male	all maturity st	all shell condi	368.949452	1	0.86188691
	2009	male	all maturity st	all shell condi	76.2260636	1	1.13532176
	2013	male	all maturity st	all shell condi	561.316117	1	0.52535737
	2014	male	all maturity st	all shell condi	274.87702	1	3.19532304
	2015	male	all maturity st	all shell condi	192.2952	1	7.76042441
all		male	all maturity st	all shell condi	0.20104975	20	0.26273652
all		female	all maturity st	all shell condi	0.596213	20	2.31055464
	1991	male	all maturity st	all shell condi	1057.54047	1	1.46838914
	1991	female	all maturity st	all shell condi	266.275786	1	1.45889509
	1992	male	all maturity st	all shell condi	100.171316	1	23.9592643
	1992	female	all maturity st	all shell condi	986.032386	1	0.35377598
	1993	male	all maturity st	all shell condi	215.159174	1	10.6010846
	1993	female	all maturity st	all shell condi	391.969496	1	0.63723422
	1994	male	all maturity st	all shell condi	1367.83754	1	0.8396673
	1994	female	all maturity st	all shell condi	68.0706076	1	1.41714999
	1995	male	all maturity st	all shell condi	128.906831	1	2.07983646
	1995	female	all maturity st	all shell condi	107.501617	1	0.97039447
	1996	male	all maturity st	all shell condi	23.9386393	1	1.73598849
	1996	female	all maturity st	all shell condi	158.039799	1	0.07109764
	2005	male	all maturity st	all shell condi	111.529463	1	14.6866438
	2005	female	all maturity st	all shell condi	39.0580295	1	1.0304249
	2006	male	all maturity st	all shell condi	355.777941	1	5.20093825
	2006	female	all maturity st	all shell condi	285.591127	1	0.87447753
	2007	male	all maturity st	all shell condi	427.639305	1	5.90743357
	2007	female	all maturity st	all shell condi	337.506024	1	0.33602268
	2008	male	all maturity st	all shell condi	775.348617	1	4.9556761
	2008	female	all maturity st	all shell condi	43.2374463	1	0.34355287
	2009	male	all maturity st	all shell condi	163.788594	1	7.89892487
	2009	female	all maturity st	all shell condi	24.8374211	1	0.1694193
	2013	male	all maturity st	all shell condi	2499.1303	1	1.40776811
	2013	female	all maturity st	all shell condi	67.2611405	1	0.50247485
	2014	male	all maturity st	all shell condi	242.082284	1	10.5187578
	2014	female	all maturity st	all shell condi	151.794644	1	0.26424287
	2015	male	all maturity st	all shell condi	142.704969	1	13.7091626
	2015	female	all maturity st	all shell condi	75.0773081	1	1.22300016
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.08447765	20	0.08920591
all		female	all maturity st	all shell condi	0.29742802	20	1.10579283
	1992	male	all maturity st	all shell condi	192.104339	1	2.15389971

1992	female	all maturity st	all shell condi	18.4445886	1	1.01998964
1993	male	all maturity st	all shell condi	323.609108	1	0.72677118
1993	female	all maturity st	all shell condi	31.7215387	1	1.26219036
1994	male	all maturity st	all shell condi	178.624228	1	0.73236241
1994	female	all maturity st	all shell condi	38.1216975	1	1.9949836
1995	male	all maturity st	all shell condi	161.217042	1	0.48828386
1995	female	all maturity st	all shell condi	40.4509781	1	0.31417458
1996	male	all maturity st	all shell condi	54.6505686	1	3.29299495
1996	female	all maturity st	all shell condi	45.4562749	1	0.46839704
1997	male	all maturity st	all shell condi	665.914335	1	0.64383452
1997	female	all maturity st	all shell condi	115.410805	1	0.19635742
1998	male	all maturity st	all shell condi	613.168985	1	0.32025465
1998	female	all maturity st	all shell condi	20.0433204	1	0.35243508
1999	male	all maturity st	all shell condi	214.819148	1	0.28285108
1999	female	all maturity st	all shell condi	29.0617813	1	0.07051331
2000	male	all maturity st	all shell condi	291.10748	1	0.26463338
2000	female	all maturity st	all shell condi	35.6880084	1	0.08559583
2001	male	all maturity st	all shell condi	846.090463	1	0.30665828
2001	female	all maturity st	all shell condi	151.927534	1	0.04780892
2002	male	all maturity st	all shell condi	53.3590215	1	0.84362185
2002	female	all maturity st	all shell condi	46.7212376	1	0.06712729
2003	male	all maturity st	all shell condi	85.8915243	1	0.44705288
2003	female	all maturity st	all shell condi	44.0327189	1	0.10514315
2004	male	all maturity st	all shell condi	20.4546095	1	1.98910566
2004	female	all maturity st	all shell condi	32.0312785	1	0.85040084
2005	male	all maturity st	all shell condi	108.87862	1	4.90541389
2005	female	all maturity st	all shell condi	143.114579	1	0.14977895
2006	male	all maturity st	all shell condi	72.7241944	1	6.14056304
2006	female	all maturity st	all shell condi	45.1112764	1	1.16668904
2007	male	all maturity st	all shell condi	291.284101	1	2.65475403
2007	female	all maturity st	all shell condi	48.1767158	1	0.40441648
2008	male	all maturity st	all shell condi	81.3055265	1	7.91965964
2008	female	all maturity st	all shell condi	14.2376483	1	2.32434539
2009	male	all maturity st	all shell condi	424.841924	1	2.12729353
2009	female	all maturity st	all shell condi	21.9488782	1	0.93182335
2010	male	all maturity st	all shell condi	341.73073	1	1.39279427
2010	female	all maturity st	all shell condi	77.6008754	1	0.19303224
2011	male	all maturity st	all shell condi	184.646406	1	3.70148
2011	female	all maturity st	all shell condi	55.4317913	1	0.18260216
2012	male	all maturity st	all shell condi	123.977628	1	3.78488933
2012	female	all maturity st	all shell condi	52.51822	1	0.16871645

	2013	male	all maturity st	all shell condi	277.819933	1	2.45261213
	2013	female	all maturity st	all shell condi	184.07103	1	0.09468092
	2014	male	all maturity st	all shell condi	404.659987	1	3.16423989
	2014	female	all maturity st	all shell condi	63.2583142	1	0.45593214
	2015	male	all maturity st	all shell condi	530.206506	1	1.84400648
	2015	female	all maturity st	all shell condi	113.885319	1	0.09642523
	2016	male	all maturity st	all shell condi	360.287297	1	2.8825468
	2016	female	all maturity st	all shell condi	112.251523	1	0.09966462
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.06284191	20	0.08688031
	1973	male	all maturity st	all shell condi	275.678089	1	-1.2773922
	1973	female	all maturity st	all shell condi	155.152082	1	4.975151
	1974	male	all maturity st	all shell condi	106.807306	1	1.74982547
	1974	female	all maturity st	all shell condi	220.403656	1	2.85725124
	1975	male	all maturity st	all shell condi	86.1718957	1	0.79097639
	1975	female	all maturity st	all shell condi	165.443055	1	1.96012136
	1976	male	all maturity st	all shell condi	81.2362062	1	-1.7739318
	1976	female	all maturity st	all shell condi	111.505973	1	21.2089154
	1977	male	all maturity st	all shell condi	172.021996	1	-1.576631
	1977	female	all maturity st	all shell condi	259.381085	1	15.0712858
	1978	male	all maturity st	all shell condi	235.115	1	-3.9506707
	1978	female	all maturity st	all shell condi	138.984159	1	25.4182972
	1979	male	all maturity st	all shell condi	747.930787	1	-6.3406312
	1979	female	all maturity st	all shell condi	356.527791	1	13.2193167
	1980	male	all maturity st	all shell condi	547.970731	1	3.27590381
	1980	female	all maturity st	all shell condi	1026.95804	1	2.08760197
	1981	male	all maturity st	all shell condi	517.988452	1	-4.6135954
	1981	female	all maturity st	all shell condi	65.3645548	1	13.3147295
	1982	male	all maturity st	all shell condi	350.475289	1	4.05072251
	1982	female	all maturity st	all shell condi	71.5385822	1	21.5452271
	1983	male	all maturity st	all shell condi	599.77918	1	18.2259712
	1983	female	all maturity st	all shell condi	195.156057	1	-5.1010815
	1984	male	all maturity st	all shell condi	800.904445	1	22.5383401
	1984	female	all maturity st	all shell condi	418.217745	1	-10.824728
	1985	male	all maturity st	all shell condi	230.41979	1	17.4499796
	1985	female	all maturity st	all shell condi	336.414744	1	-1.7893649
	1986	male	all maturity st	all shell condi	230.046448	1	13.6358374
	1986	female	all maturity st	all shell condi	124.956144	1	3.14872443
	1987	male	all maturity st	all shell condi	238.065426	1	20.4085218
	1987	female	all maturity st	all shell condi	696.991539	1	0.10217674
	1988	male	all maturity st	all shell condi	233.943051	1	8.00759384

1988	female	all maturity st	all shell condi	205.636029	1	8.95885656
1989	male	all maturity st	all shell condi	381.929824	1	4.14390285
1989	female	all maturity st	all shell condi	1036.80309	1	11.9501136
1990	male	all maturity st	all shell condi	955.199873	1	16.4011803
1990	female	all maturity st	all shell condi	375.39735	1	-8.794382
1991	male	all maturity st	all shell condi	295.19622	1	0.95360919
1991	female	all maturity st	all shell condi	187.379271	1	7.37527733
1992	male	all maturity st	all shell condi	148.060231	1	6.07630931
1992	female	all maturity st	all shell condi	63.1690636	1	3.73232212
1993	male	all maturity st	all shell condi	69.742736	1	4.11220408
1993	female	all maturity st	all shell condi	113.083064	1	-0.4537814
1994	male	all maturity st	all shell condi	303.7597	1	2.25768538
1994	female	all maturity st	all shell condi	357.55563	1	1.08686075
1995	male	all maturity st	all shell condi	52.7642445	1	13.8978167
1995	female	all maturity st	all shell condi	55.2753674	1	5.33772759
1996	male	all maturity st	all shell condi	170.533058	1	13.269978
1996	female	all maturity st	all shell condi	441.159051	1	-4.476925
1997	male	all maturity st	all shell condi	57.798737	1	20.1356592
1997	female	all maturity st	all shell condi	167.004371	1	5.56757348
1998	male	all maturity st	all shell condi	157.926941	1	7.38320951
1998	female	all maturity st	all shell condi	261.388667	1	7.39858469
1999	male	all maturity st	all shell condi	368.835416	1	5.44528056
1999	female	all maturity st	all shell condi	911.506118	1	2.6869511
2000	male	all maturity st	all shell condi	308.633562	1	6.54409836
2000	female	all maturity st	all shell condi	501.510106	1	0.99314914
2001	male	all maturity st	all shell condi	752.314718	1	8.34307018
2001	female	all maturity st	all shell condi	1196.81885	1	-3.399689
2002	male	all maturity st	all shell condi	493.329672	1	9.26314461
2002	female	all maturity st	all shell condi	889.171192	1	-0.1338188
2003	male	all maturity st	all shell condi	205.690879	1	4.2805819
2003	female	all maturity st	all shell condi	318.21469	1	4.89698569
2004	male	all maturity st	all shell condi	100.37762	1	-1.3545151
2004	female	all maturity st	all shell condi	30.122542	1	41.2927396
2005	male	all maturity st	all shell condi	1619.42515	1	3.90131866
2005	female	all maturity st	all shell condi	1669.25426	1	0.99600704
2006	male	all maturity st	all shell condi	170.095206	1	13.4577195
2006	female	all maturity st	all shell condi	179.508566	1	2.39586966
2007	male	all maturity st	all shell condi	172.295467	1	10.2416526
2007	female	all maturity st	all shell condi	104.351575	1	8.19025037
2008	male	all maturity st	all shell condi	163.614898	1	27.0177363
2008	female	all maturity st	all shell condi	215.552876	1	-9.2089747

	2009	male	all maturity st	all shell condi	272.51167	1	14.2721479
	2009	female	all maturity st	all shell condi	461.628355	1	-7.0300917
	2010	male	all maturity st	all shell condi	452.72683	1	7.31593188
	2010	female	all maturity st	all shell condi	1183.62157	1	-3.0827827
	2011	male	all maturity st	all shell condi	95.8920631	1	10.0999906
	2011	female	all maturity st	all shell condi	76.5520854	1	18.926033
	2012	male	all maturity st	all shell condi	289.031705	1	-6.2556612
	2012	female	all maturity st	all shell condi	129.457598	1	13.0112611
	2013	male	all maturity st	all shell condi	251.570202	1	2.20510756
	2013	female	all maturity st	all shell condi	617.314399	1	9.57564421
	2014	male	all maturity st	all shell condi	728.805757	1	10.5016988
	2014	female	all maturity st	all shell condi	755.646982	1	-5.9477629
	2015	male	all maturity st	all shell condi	195.256915	1	16.6485253
	2015	female	all maturity st	all shell condi	288.435755	1	1.0725422
	2016	male	all maturity st	all shell condi	179.68186	1	-2.3369475
	2016	female	all maturity st	all shell condi	55.0915762	1	25.1107402
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.16548216	20	0.31491997
all		female	all maturity st	all shell condi	0.0104269	20	0.00125028
	1992	male	all maturity st	all shell condi	46.7897461	1	2.02352767
	1992	female	all maturity st	all shell condi	74.9974816	1	0.12987853
	1993	male	all maturity st	all shell condi	70.3058367	1	4.45925004
	1993	female	all maturity st	all shell condi	304.021151	1	0.24795135
	1996	male	all maturity st	all shell condi	23.6969303	1	0.25720607
	1996	female	all maturity st	all shell condi	3.44754588	1	0.03191985
	1997	male	all maturity st	all shell condi	30.7837037	1	1.55899349
	1997	female	all maturity st	all shell condi	25.0652927	1	0.06257849
	1998	male	all maturity st	all shell condi	82.2320986	1	0.30075873
	1998	female	all maturity st	all shell condi	21.2362894	1	0.07012903
	1999	male	all maturity st	all shell condi	50.219722	1	0.30713026
	1999	female	all maturity st	all shell condi	18.6714494	1	0.02694995
	2000	male	all maturity st	all shell condi	147.006219	1	0.70890415
	2000	female	all maturity st	all shell condi	43.4210727	1	0.062749
	2001	male	all maturity st	all shell condi	105.979983	1	0.33166162
	2001	female	all maturity st	all shell condi	53.4799433	1	0.03372857
	2002	male	all maturity st	all shell condi	102.682497	1	0.52057563
	2002	female	all maturity st	all shell condi	41.1588811	1	0.04549346
	2003	male	all maturity st	all shell condi	81.9977239	1	0.51409888
	2003	female	all maturity st	all shell condi	52.4537207	1	0.09499523
	2004	male	all maturity st	all shell condi	40.3077728	1	0.68403541

2004	female	all maturity st	all shell condi	22.5173204	1	0.05389325
2005	male	all maturity st	all shell condi	45.0814922	1	1.6929681
2005	female	all maturity st	all shell condi	13.1547424	1	0.16792122
2006	male	all maturity st	all shell condi	22.8785784	1	2.15401947
2006	female	all maturity st	all shell condi	26.6957489	1	0.25529907
2007	male	all maturity st	all shell condi	95.6975556	1	1.17498762
2007	female	all maturity st	all shell condi	103.967798	1	0.08753877
2008	male	all maturity st	all shell condi	70.6349489	1	2.71460377
2008	female	all maturity st	all shell condi	106.331652	1	0.11228123
2009	male	all maturity st	all shell condi	24.4924079	1	6.07654097
2009	female	all maturity st	all shell condi	128.039402	1	0.04738395
2010	male	all maturity st	all shell condi	53.188473	1	0.87411992
2010	female	all maturity st	all shell condi	35.7150358	1	0.04554986
2011	male	all maturity st	all shell condi	71.6222924	1	0.3553131
2011	female	all maturity st	all shell condi	5.44370689	1	0.02141644
2012	male	all maturity st	all shell condi	82.7210493	1	0.58695443
2012	female	all maturity st	all shell condi	6.45999014	1	0.231762
2013	male	all maturity st	all shell condi	65.0890628	1	1.78850183
2013	female	all maturity st	all shell condi	9.55071304	1	0.18138117
2014	male	all maturity st	all shell condi	140.128523	1	1.43179018
2014	female	all maturity st	all shell condi	21.4941462	1	0.07227936
2015	male	all maturity st	all shell condi	169.547175	1	0.89356868
2015	female	all maturity st	all shell condi	100.082937	1	0.07303571
2016	male	all maturity st	all shell condi	22.5084334	1	7.8728256
2016	female	all maturity st	all shell condi	20.1726255	1	0.50405435
2015	male	immature	new shell	0.659441	1	100.622583
2016	male	immature	new shell	0.659441	1	115.634139
2015	female	immature	new shell	0.48272754	1	79.0793677
2016	female	immature	new shell	0.48272754	1	69.778332
1994	male	immature	new shell	0.67011416	0	13.8322287
1995	male	immature	new shell	0.67011416	0	32.7596823
1996	male	immature	new shell	0.67011416	0	369.547983
1997	male	immature	new shell	0.67011416	0	513.937827
1998	male	immature	new shell	0.67011416	0	545.465113
1999	male	immature	new shell	0.67011416	0	466.683706
2000	male	immature	new shell	0.67011416	0	753.539415
2001	male	immature	new shell	0.67011416	0	906.738405
2002	male	immature	new shell	0.67011416	0	839.899762
2003	male	immature	new shell	0.67011416	0	289.059226
2004	male	immature	new shell	0.67011416	0	183.407676
2005	male	immature	new shell	0.67011416	0	101.699901

	2006	male	immature	new shell	0.67011416	0	12.1925923
	2011	male	immature	new shell	0.67011416	0	2.10137766
	2012	male	immature	new shell	0.67011416	0	3.176272
	1994	female	immature	new shell	0.6128234	0	17.9160822
	1995	female	immature	new shell	0.6128234	0	18.3981701
	1996	female	immature	new shell	0.6128234	0	232.245996
	1997	female	immature	new shell	0.6128234	0	181.544538
	1998	female	immature	new shell	0.6128234	0	249.912296
	1999	female	immature	new shell	0.6128234	0	364.965723
	2000	female	immature	new shell	0.6128234	0	670.165717
	2001	female	immature	new shell	0.6128234	0	598.220904
	2002	female	immature	new shell	0.6128234	0	327.707798
	2003	female	immature	new shell	0.6128234	0	97.2573859
	2004	female	immature	new shell	0.6128234	0	108.462809
	2005	female	immature	new shell	0.6128234	0	23.5620277
	2006	female	immature	new shell	0.6128234	0	7.15387344
	2012	female	immature	new shell	0.6128234	0	2.3030012
	1990	male		new shell	7.21407818	1	66.6582753
	1991	male		new shell	7.21407818	1	68.7270916
	1992	male		new shell	7.21407818	1	18.0767718
	1993	male		new shell	7.21407818	1	32.6165129
	1994	male		new shell	7.21407818	1	22.401983
	1995	male		new shell	7.21407818	1	13.9226146
	1997	male		new shell	7.21407818	1	9.34641173
	1998	male		new shell	7.21407818	1	28.2622438
	1999	male		new shell	7.21407818	1	10.9450245
	2000	male		new shell	7.21407818	1	24.5342369
	2001	male		new shell	7.21407818	1	29.7653174
	2002	male		new shell	7.21407818	1	21.2183992
	2003	male		new shell	7.21407818	1	13.4269803
	2004	male		new shell	7.21407818	1	18.6551979
	2005	male		new shell	7.21407818	1	67.1898776
	2008	male		new shell	7.21407818	1	57.3561034
	2010	male		new shell	7.21407818	1	78.8751194
	2012	male		new shell	7.21407818	1	15.6405636
	2014	male		new shell	7.21407818	1	27.599782
	2016	male		new shell	7.21407818	1	35.6594798
	2017	male		new shell	7.21407818	1	19.9355656
all		male	immature	new shell	0.09975135	1	971.096331
all		male	mature	new shell	0.09975135	1	971.096331
all		male	immature	old shell	0.09975135	1	971.096331

all		male	mature	old shell	0.09975135	1	971.096331
all		female	immature	new shell	0.09975135	1	971.096331
all		female	mature	new shell	0.09975135	1	971.096331
all		female	immature	old shell	0.09975135	1	971.096331
all		female	mature	old shell	0.09975135	1	971.096331
all		male	immature	new shell	0.09975135	1	501.760721
all		male	mature	new shell	0.09975135	1	501.760721
all		male	immature	old shell	0.09975135	1	501.760721
all		male	mature	old shell	0.09975135	1	501.760721
all		female	immature	new shell	0.09975135	1	501.760721
all		female	mature	new shell	0.09975135	1	501.760721
all		female	immature	old shell	0.09975135	1	501.760721
all		female	mature	old shell	0.09975135	1	501.760721
all		male	immature	all shell condi	2.69232665	0	155.84539
all		male	mature	all shell condi	2.05305577	0	90.6233173
all		female	immature	all shell condi	2.52599757	0	137.184271
all		female	mature	all shell condi	2.13819731	0	98.2955863
all		male	mature	all shell condi	2.03536473	0	89.0682557
all		female	mature	all shell condi	2.08433479	0	93.4057078
	1975	male	immature	all shell condi	645.591486	0	5.57645743
	1975	male	mature	all shell condi	65.1592023	0	56.5332867
	1975	female	immature	all shell condi	229.203251	0	2.96702983
	1975	female	mature	all shell condi	91.2325303	0	-14.170369
	1976	male	immature	all shell condi	390.730526	0	11.7961661
	1976	male	mature	all shell condi	215.761436	0	4.83974359
	1976	female	immature	all shell condi	97.7361986	0	20.4520874
	1976	female	mature	all shell condi	150.053179	0	-10.778251
	1977	male	immature	all shell condi	152.605085	0	9.2401346
	1977	male	mature	all shell condi	201.205375	0	-7.5182442
	1977	female	immature	all shell condi	29.0588255	0	50.0920162
	1977	female	mature	all shell condi	355.096912	0	-8.5829966
	1978	male	immature	all shell condi	326.562489	0	2.22752653
	1978	male	mature	all shell condi	339.870288	0	2.24317461
	1978	female	immature	all shell condi	59.1904957	0	23.4056904
	1978	female	mature	all shell condi	969.334508	0	-5.2129262
	1979	male	immature	all shell condi	115.53301	0	19.1510006
	1979	male	mature	all shell condi	274.586826	0	-6.8238339
	1979	female	immature	all shell condi	325.228835	0	-2.6605239
	1979	female	mature	all shell condi	77.3519937	0	21.6432114
	1980	male	immature	all shell condi	73.4917661	0	34.0981083
	1980	male	mature	all shell condi	137.257548	0	-11.881931

1980	female	immature	all shell condi	796.665089	0	2.68310339
1980	female	mature	all shell condi	46.8119923	0	18.2537984
1981	male	immature	all shell condi	428.242796	0	8.59963265
1981	male	mature	all shell condi	242.514423	0	-11.860441
1981	female	immature	all shell condi	175.999569	0	-4.423379
1981	female	mature	all shell condi	22.6456239	0	63.7011549
1982	male	immature	all shell condi	202.037565	0	-13.550513
1982	male	mature	all shell condi	192.748411	0	-13.985641
1982	female	immature	all shell condi	155.503319	0	-6.6977809
1982	female	mature	all shell condi	6.41605214	0	144.686377
1983	male	immature	all shell condi	113.80586	0	11.8523204
1983	male	mature	all shell condi	255.249332	0	-7.5789135
1983	female	immature	all shell condi	91.843591	0	16.8997095
1983	female	mature	all shell condi	113.709846	0	17.2319155
1984	male	immature	all shell condi	252.845196	0	-10.786015
1984	male	mature	all shell condi	271.60316	0	11.3240131
1984	female	immature	all shell condi	135.142773	0	-1.6059017
1984	female	mature	all shell condi	77.6732892	0	28.8400617
1985	male	immature	all shell condi	146.292018	0	-19.023377
1985	male	mature	all shell condi	75.3473356	0	35.3318089
1985	female	immature	all shell condi	85.9794457	0	-18.469696
1985	female	mature	all shell condi	41.0675359	0	45.1617606
1986	male	immature	all shell condi	187.937296	0	5.8424745
1986	male	mature	all shell condi	75.0433909	0	28.5593086
1986	female	immature	all shell condi	67.3757299	0	-5.488952
1986	female	mature	all shell condi	253.54823	0	3.87288739
1987	male	immature	all shell condi	92.0068299	0	7.64943849
1987	male	mature	all shell condi	479.707287	0	10.4996937
1987	female	immature	all shell condi	35.4130645	0	60.4607948
1987	female	mature	all shell condi	431.255907	0	-2.2578971
1988	male	immature	all shell condi	244.807733	0	-2.9402226
1988	male	mature	all shell condi	216.74229	0	18.6704871
1988	female	immature	all shell condi	129.702584	0	-9.6730497
1988	female	mature	all shell condi	65.0423719	0	26.7579354
1989	male	immature	all shell condi	244.65053	0	-0.4760236
1989	male	mature	all shell condi	419.825048	0	10.8049838
1989	female	immature	all shell condi	162.830051	0	7.88446604
1989	female	mature	all shell condi	290.370949	0	-0.4523476
1990	male	immature	all shell condi	572.910428	0	-7.7605681
1990	male	mature	all shell condi	698.322203	0	0.55375026
1990	female	immature	all shell condi	327.278097	0	2.72950747

1990	female	mature	all shell condi	175.034245	0	19.2694751
1991	male	immature	all shell condi	288.205659	0	0.73800869
1991	male	mature	all shell condi	890.58995	0	-5.5645306
1991	female	immature	all shell condi	161.09166	0	5.27977901
1991	female	mature	all shell condi	375.154547	0	15.8046846
1992	male	immature	all shell condi	634.550491	0	5.44912165
1992	male	mature	all shell condi	393.898487	0	3.21780689
1992	female	immature	all shell condi	324.451025	0	2.21171193
1992	female	mature	all shell condi	3469.3515	0	1.75411066
1993	male	immature	all shell condi	618.626713	0	12.9680553
1993	male	mature	all shell condi	542.876605	0	5.73749305
1993	female	immature	all shell condi	603.589551	0	2.92787217
1993	female	mature	all shell condi	349.841955	0	-12.005344
1994	male	immature	all shell condi	327.092005	0	7.98770046
1994	male	mature	all shell condi	857.100428	0	-0.9378542
1994	female	immature	all shell condi	85.8382565	0	17.7205818
1994	female	mature	all shell condi	601.243275	0	-9.8760977
1995	male	immature	all shell condi	311.388916	0	-7.0179715
1995	male	mature	all shell condi	655.613759	0	3.02306297
1995	female	immature	all shell condi	288.396792	0	-4.6280928
1995	female	mature	all shell condi	120.673936	0	25.7250806
1996	male	immature	all shell condi	409.616782	0	-6.8284469
1996	male	mature	all shell condi	598.158096	0	8.97245529
1996	female	immature	all shell condi	211.350928	0	-4.6067041
1996	female	mature	all shell condi	203.601001	0	16.9097804
1997	male	immature	all shell condi	312.990581	0	2.11434287
1997	male	mature	all shell condi	1949.20898	0	-2.1598231
1997	female	immature	all shell condi	100.74881	0	18.4814689
1997	female	mature	all shell condi	928.314261	0	-5.5103614
1998	male	immature	all shell condi	134.359242	0	13.8655742
1998	male	mature	all shell condi	2134.29673	0	-1.0211064
1998	female	immature	all shell condi	232.466614	0	16.8176072
1998	female	mature	all shell condi	192.779593	0	-9.7838464
1999	male	immature	all shell condi	165.083608	0	10.3906945
1999	male	mature	all shell condi	883.749076	0	2.40891423
1999	female	immature	all shell condi	194.255559	0	9.1945814
1999	female	mature	all shell condi	459.786292	0	-4.8918711
2000	male	immature	all shell condi	151.355868	0	6.40011156
2000	male	mature	all shell condi	1419.94654	0	5.27208319
2000	female	immature	all shell condi	241.865981	0	3.3633519
2000	female	mature	all shell condi	420.48364	0	-1.7540148

2001	male	immature	all shell condi	227.172009	0	11.9230056
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2001	female	immature	all shell condi	253.656808	0	14.8677018
2001	female	mature	all shell condi	398.992454	0	-5.1176358
2002	male	immature	all shell condi	130.739395	0	8.26525109
2002	male	mature	all shell condi	1587.31461	0	-2.1261131
2002	female	immature	all shell condi	92.9034667	0	19.9468873
2002	female	mature	all shell condi	906.127125	0	-3.8804467
2003	male	immature	all shell condi	313.328953	0	4.93573818
2003	male	mature	all shell condi	1859.57283	0	1.03189569
2003	female	immature	all shell condi	239.97875	0	-1.4600299
2003	female	mature	all shell condi	260.174992	0	9.41450915
2004	male	immature	all shell condi	210.030975	0	2.37341222
2004	male	mature	all shell condi	489.540936	0	11.8015278
2004	female	immature	all shell condi	167.682795	0	13.3026293
2004	female	mature	all shell condi	304.698924	0	-4.5958374
2005	male	immature	all shell condi	330.052291	0	0.32018863
2005	male	mature	all shell condi	1414.94888	0	-4.5274955
2005	female	immature	all shell condi	186.195712	0	21.2522679
2005	female	mature	all shell condi	1748.24934	0	-2.4770342
2006	male	immature	all shell condi	408.650818	0	7.43780973
2006	male	mature	all shell condi	995.113216	0	1.91461265
2006	female	immature	all shell condi	177.574188	0	12.5805993
2006	female	mature	all shell condi	704.917	0	-5.1608453
2007	male	immature	all shell condi	263.409858	0	22.8443229
2007	male	mature	all shell condi	598.493481	0	3.27682395
2007	female	immature	all shell condi	1145.35936	0	1.75695235
2007	female	mature	all shell condi	195.553645	0	-11.037084
2008	male	immature	all shell condi	764.302848	0	10.5589461
2008	male	mature	all shell condi	780.603946	0	1.84934152
2008	female	immature	all shell condi	586.637358	0	3.80255955
2008	female	mature	all shell condi	636.841705	0	-6.7904678
2009	male	immature	all shell condi	200.40248	0	5.1222768
2009	male	mature	all shell condi	598.143197	0	4.5192773
2009	female	immature	all shell condi	101.730015	0	5.42671933
2009	female	mature	all shell condi	1753.80831	0	1.27330653
2010	male	immature	all shell condi	459.175541	0	-1.0054257
2010	male	mature	all shell condi	368.699175	0	14.053693
2010	female	immature	all shell condi	218.545925	0	-2.0057305
2010	female	mature	all shell condi	9781.6813	0	-1.2320456
2011	male	immature	all shell condi	614.987167	0	4.07757221

	2011	male	mature	all shell condi	1809.23819	0	3.79668327
	2011	female	immature	all shell condi	247.201379	0	8.16131014
	2011	female	mature	all shell condi	429.773466	0	-4.780238
	2012	male	immature	all shell condi	404.603474	0	10.5303401
	2012	male	mature	all shell condi	1230.8052	0	3.17849514
	2012	female	immature	all shell condi	188.837764	0	2.01345459
	2012	female	mature	all shell condi	758.234473	0	-1.8286015
	2013	male	immature	all shell condi	899.732803	0	5.02990697
	2013	male	mature	all shell condi	334.537617	0	7.38450893
	2013	female	immature	all shell condi	501.002652	0	-0.2359488
	2013	female	mature	all shell condi	1793.42794	0	-0.8510403
	2014	male	immature	all shell condi	416.527526	0	11.2061654
	2014	male	mature	all shell condi	508.960057	0	4.2337715
	2014	female	immature	all shell condi	105.539587	0	14.0783402
	2014	female	mature	all shell condi	445.730873	0	-8.0168821
	2015	male	immature	all shell condi	1081.06883	0	5.55784975
	2015	male	mature	all shell condi	671.757856	0	2.97761656
	2015	female	immature	all shell condi	630.162313	0	2.54252263
	2015	female	mature	all shell condi	337.80522	0	0.72102223
	2016	male	immature	all shell condi	496.229939	0	5.81589558
	2016	male	mature	all shell condi	176.049746	0	22.4653235
	2016	female	immature	all shell condi	410.402341	0	0.52363406
	2016	female	mature	all shell condi	269.938918	0	-6.8869994
	2017	male	immature	all shell condi	100.625564	0	-0.6573197
	2017	male	mature	all shell condi	154.935233	0	23.8072491
	2017	female	immature	all shell condi	72.1633502	0	7.31379057
	2017	female	mature	all shell condi	538.695848	0	0.96313574
all		male	all maturity st	new shell	2.75985332	1	163.760992
all		male	all maturity st	old shell	3.38109172	1	245.783297
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
all		male	all maturity st	new shell	2.51953149	1	136.482837
all		male	all maturity st	old shell	2.68014871	1	154.438737
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
	1975	male	all maturity st	new shell	56.8791636	1	30.6384517
	1975	male	all maturity st	old shell	25.4563853	1	44.7854872
	1976	male	all maturity st	new shell	190.219711	1	9.1238377
	1976	male	all maturity st	old shell	18.7668308	1	63.2135246
	1977	male	all maturity st	new shell	81.0140443	1	15.0244542
	1977	male	all maturity st	old shell	62.6503495	1	25.3452969

1978	male	all maturity st	new shell	137.440219	1	10.0631485
1978	male	all maturity st	old shell	51.3307217	1	27.4436644
1979	male	all maturity st	new shell	67.2130569	1	13.5921232
1979	male	all maturity st	old shell	37.4197535	1	36.5463577
1980	male	all maturity st	new shell	47.2668687	1	19.6307124
1980	male	all maturity st	old shell	36.4054643	1	36.5309181
1981	male	all maturity st	new shell	63.7086381	1	18.338044
1981	male	all maturity st	old shell	37.3970141	1	27.3152454
1982	male	all maturity st	new shell	69.2125445	1	17.7474567
1982	male	all maturity st	old shell	216.204279	1	5.67124126
1983	male	all maturity st	new shell	38.9430996	1	26.1188849
1983	male	all maturity st	old shell	60.2930311	1	18.3174365
1984	male	all maturity st	new shell	77.6684686	1	8.10902728
1984	male	all maturity st	old shell	42.8504142	1	24.0782375
1985	male	all maturity st	new shell	91.8834041	1	12.4858995
1985	male	all maturity st	old shell	41.9761936	1	27.6350303
1986	male	all maturity st	new shell	59.6205245	1	15.4748432
1986	male	all maturity st	old shell	78.866441	1	13.1263017
1987	male	all maturity st	new shell	38.3339094	1	20.6299725
1987	male	all maturity st	old shell	193.461199	1	9.48038434
1988	male	all maturity st	new shell	74.3358933	1	15.7690261
1988	male	all maturity st	old shell	211.755637	1	9.93260895
1989	male	all maturity st	new shell	108.862754	1	11.5451316
1989	male	all maturity st	old shell	381.077885	1	6.84438251
1990	male	all maturity st	new shell	305.375194	1	4.9751871
1990	male	all maturity st	old shell	165.09756	1	8.36846867
1991	male	all maturity st	new shell	171.365414	1	7.11811026
1991	male	all maturity st	old shell	157.454482	1	10.6517837
1992	male	all maturity st	new shell	202.642587	1	6.3728705
1992	male	all maturity st	old shell	91.3123492	1	11.7647862
1993	male	all maturity st	new shell	355.818816	1	3.37203804
1993	male	all maturity st	old shell	186.382878	1	5.18571041
1994	male	all maturity st	new shell	172.081227	1	5.98079574
1994	male	all maturity st	old shell	160.453093	1	6.20892938
1995	male	all maturity st	new shell	97.9695954	1	9.6519528
1995	male	all maturity st	old shell	142.391575	1	8.64794212
1996	male	all maturity st	new shell	126.37129	1	10.9116042
1996	male	all maturity st	old shell	110.914057	1	8.77930542
1997	male	all maturity st	new shell	121.560017	1	7.99035549
1997	male	all maturity st	old shell	282.628828	1	6.82221126
1998	male	all maturity st	new shell	77.173077	1	10.1356048

	1998	male	all maturity st	old shell	250.251409	1	5.8547719
	1999	male	all maturity st	new shell	91.9058014	1	8.83637767
	1999	male	all maturity st	old shell	109.500575	1	10.8362947
	2000	male	all maturity st	new shell	86.7323786	1	6.51971653
	2000	male	all maturity st	old shell	155.017875	1	9.09116489
	2001	male	all maturity st	new shell	111.114607	1	9.44458237
	2001	male	all maturity st	old shell	280.812501	1	7.38855895
	2002	male	all maturity st	new shell	48.9875814	1	15.6299514
	2002	male	all maturity st	old shell	352.193597	1	4.78900255
	2003	male	all maturity st	new shell	133.842626	1	8.24421205
	2003	male	all maturity st	old shell	311.187113	1	6.35934749
	2004	male	all maturity st	new shell	96.0024808	1	9.43227123
	2004	male	all maturity st	old shell	56.4702783	1	38.0296659
	2005	male	all maturity st	new shell	138.095297	1	7.60320023
	2005	male	all maturity st	old shell	467.098191	1	5.63283803
	2006	male	all maturity st	new shell	135.980642	1	9.34318746
	2006	male	all maturity st	old shell	361.080199	1	7.26420489
	2007	male	all maturity st	new shell	271.530586	1	6.19215765
	2007	male	all maturity st	old shell	221.70343	1	13.1449767
	2008	male	all maturity st	new shell	436.606392	1	3.37341483
	2008	male	all maturity st	old shell	135.542473	1	12.0949178
	2009	male	all maturity st	new shell	68.2440139	1	10.8477216
	2009	male	all maturity st	old shell	113.451682	1	10.0418876
	2010	male	all maturity st	new shell	92.0679098	1	12.0174508
	2010	male	all maturity st	old shell	169.904583	1	7.68160305
	2011	male	all maturity st	new shell	281.091885	1	2.54849466
	2011	male	all maturity st	old shell	174.363112	1	8.1782756
	2012	male	all maturity st	new shell	253.037129	1	3.27564062
	2012	male	all maturity st	old shell	143.118628	1	8.72663082
	2013	male	all maturity st	new shell	188.456236	1	6.59787038
	2013	male	all maturity st	old shell	242.727594	1	9.62818182
	2014	male	all maturity st	new shell	232.342378	1	6.55550275
	2014	male	all maturity st	old shell	148.890257	1	8.40119105
	2015	male	all maturity st	new shell	500.666294	1	4.56408715
	2015	male	all maturity st	old shell	189.025149	1	7.15324987
	2016	male	all maturity st	new shell	191.667029	1	8.43401927
	2016	male	all maturity st	old shell	113.809965	1	11.04981
	2017	male	all maturity st	new shell	26.4794199	1	17.0787329
	2017	male	all maturity st	old shell	99.3540894	1	11.3369179
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0

all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.52599757	1	137.184271
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.26712266	1	110.50667
all		female	mature	old shell	2.49583087	1	133.927193
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.29771996	1	113.509616
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.22790785	1	106.716828
all		female	mature	old shell	2.35130762	1	118.865922
	1975	female	immature	new shell	24.7255194	1	17.7770735
	1975	female	mature	new shell	62.5299645	1	4.71779376
	1975	female	mature	old shell	11.8423787	1	21.1719126
	1976	female	immature	new shell	35.7415948	1	9.51901672
	1976	female	mature	new shell	269.599632	1	2.15953427
	1976	female	mature	old shell	12.0799316	1	23.0977744
	1977	female	immature	new shell	28.5802657	1	10.9420944
	1977	female	mature	new shell	372.439098	1	2.44708976
	1977	female	mature	old shell	44.0677587	1	7.77336789
	1978	female	immature	new shell	23.7323732	1	11.8417019
	1978	female	mature	new shell	92.8179377	1	2.87326795
	1978	female	mature	old shell	90.806957	1	3.59874495
	1979	female	immature	new shell	37.512522	1	6.07632887
	1979	female	mature	new shell	21.5383893	1	15.9350824
	1979	female	mature	old shell	50.2950147	1	6.15586146
	1980	female	immature	new shell	111.942444	1	3.16635467
	1980	female	mature	new shell	8.73302128	1	26.3224373
	1980	female	mature	old shell	43.2550886	1	5.6794413
	1981	female	immature	new shell	27.1791605	1	16.7326061
	1981	female	mature	new shell	7.66282873	1	43.0018629
	1981	female	mature	old shell	172.174117	1	4.41281787
	1982	female	immature	new shell	43.7979687	1	16.1415376
	1982	female	mature	new shell	7.42176636	1	32.6013392
	1982	female	mature	old shell	21.8936041	1	12.1813
	1983	female	immature	new shell	35.3959534	1	9.33337963
	1983	female	mature	new shell	60.9344247	1	6.09645267
	1983	female	mature	old shell	59.3667042	1	4.51537917

1984	female	immature	new shell	29.102675	1	7.25774556
1984	female	mature	new shell	25.0497642	1	8.90803115
1984	female	mature	old shell	198.93697	1	2.06102419
1985	female	immature	new shell	82.6689659	1	5.23669664
1985	female	mature	new shell	13.9575921	1	33.546524
1985	female	mature	old shell	217.471583	1	2.14645491
1986	female	immature	new shell	29.5127312	1	12.2094572
1986	female	mature	new shell	8.55365623	1	28.7089689
1986	female	mature	old shell	40.6702452	1	7.56763559
1987	female	immature	new shell	13.0604531	1	49.7360054
1987	female	mature	new shell	36.993857	1	10.4733014
1987	female	mature	old shell	26.6078866	1	14.6816186
1988	female	immature	new shell	71.2658191	1	9.821955
1988	female	mature	new shell	13.0864348	1	27.2368771
1988	female	mature	old shell	41.9920931	1	9.06772253
1989	female	immature	new shell	50.6154128	1	4.95308707
1989	female	mature	new shell	23.6138577	1	13.441591
1989	female	mature	old shell	41.6500378	1	10.5882988
1990	female	immature	new shell	63.2443756	1	5.96136842
1990	female	mature	new shell	159.92092	1	2.16716004
1990	female	mature	old shell	36.4556641	1	10.7722992
1991	female	immature	new shell	22.0844969	1	13.5539826
1991	female	mature	new shell	84.7215969	1	3.42553773
1991	female	mature	old shell	168.619951	1	2.88734354
1992	female	immature	new shell	29.6564739	1	13.2253344
1992	female	mature	new shell	61.6575866	1	6.14898315
1992	female	mature	old shell	219.65203	1	1.98239663
1993	female	immature	new shell	60.3230065	1	7.41513162
1993	female	mature	new shell	26.060634	1	10.3583177
1993	female	mature	old shell	246.491794	1	1.30237818
1994	female	immature	new shell	28.0238622	1	10.9853069
1994	female	mature	new shell	33.8116316	1	10.9361558
1994	female	mature	old shell	473.82904	1	1.10473314
1995	female	immature	new shell	70.2129218	1	6.59373539
1995	female	mature	new shell	32.4038	1	12.7294875
1995	female	mature	old shell	645.896917	1	0.57175953
1996	female	immature	new shell	58.5944269	1	8.32086762
1996	female	mature	new shell	31.2170291	1	9.7890156
1996	female	mature	old shell	287.44076	1	1.28250275
1997	female	immature	new shell	54.296901	1	4.54909191
1997	female	mature	new shell	104.62074	1	3.33788867

1997	female	mature	old shell	217.467466	1	2.12671891
1998	female	immature	new shell	181.054306	1	1.92523482
1998	female	mature	new shell	65.8327019	1	6.09439472
1998	female	mature	old shell	255.536894	1	2.69970919
1999	female	immature	new shell	76.5554382	1	4.65530627
1999	female	mature	new shell	19.3400485	1	12.2827964
1999	female	mature	old shell	151.9261	1	2.54703777
2000	female	immature	new shell	72.6459051	1	3.21301477
2000	female	mature	new shell	64.6735323	1	4.32190523
2000	female	mature	old shell	33.7294508	1	10.3577211
2001	female	immature	new shell	159.15561	1	2.22707112
2001	female	mature	new shell	148.510482	1	5.31187257
2001	female	mature	old shell	70.9173003	1	4.23123917
2002	female	immature	new shell	47.4143174	1	5.84819052
2002	female	mature	new shell	38.293191	1	8.35713993
2002	female	mature	old shell	99.9046777	1	2.87466324
2003	female	immature	new shell	68.32855	1	4.79903824
2003	female	mature	new shell	107.394278	1	3.40264368
2003	female	mature	old shell	41.9076259	1	9.96612828
2004	female	immature	new shell	78.9895098	1	5.31309981
2004	female	mature	new shell	171.871454	1	1.61415244
2004	female	mature	old shell	41.3435599	1	10.5777297
2005	female	immature	new shell	272.741066	1	1.84660022
2005	female	mature	new shell	150.580431	1	4.28702036
2005	female	mature	old shell	232.056722	1	3.17213867
2006	female	immature	new shell	49.2776142	1	8.13452883
2006	female	mature	new shell	284.448692	1	1.99546052
2006	female	mature	old shell	105.939343	1	4.16411837
2007	female	immature	new shell	190.474682	1	2.50833784
2007	female	mature	new shell	67.9075908	1	6.51229486
2007	female	mature	old shell	716.003951	1	0.79442935
2008	female	immature	new shell	84.9477896	1	4.63931144
2008	female	mature	new shell	88.3345224	1	4.97731073
2008	female	mature	old shell	420.533985	1	1.39682669
2009	female	immature	new shell	25.0795802	1	9.21563552
2009	female	mature	new shell	41.2233701	1	5.25384223
2009	female	mature	old shell	353.528985	1	1.05922105
2010	female	immature	new shell	89.0458563	1	5.05066984
2010	female	mature	new shell	210.121593	1	1.97583889
2010	female	mature	old shell	910.816458	1	0.93967805
2011	female	immature	new shell	81.2678532	1	5.48474096

	2011	female	mature	new shell	31.7371869	1	7.26918026
	2011	female	mature	old shell	293.902964	1	2.1128828
	2012	female	immature	new shell	47.1053857	1	8.12289509
	2012	female	mature	new shell	46.9663567	1	5.38284336
	2012	female	mature	old shell	295.900935	1	1.28021302
	2013	female	immature	new shell	95.640382	1	4.70933276
	2013	female	mature	new shell	401.41846	1	0.90041007
	2013	female	mature	old shell	66.3835862	1	4.69738045
	2014	female	immature	new shell	20.1227859	1	19.1235589
	2014	female	mature	new shell	51.6999855	1	4.331981
	2014	female	mature	old shell	84.612573	1	4.17088776
	2015	female	immature	new shell	82.9287449	1	5.0993502
	2015	female	mature	new shell	17.4128632	1	13.9391476
	2015	female	mature	old shell	101.251446	1	3.39687172
	2016	female	immature	new shell	47.993107	1	8.88001687
	2016	female	mature	new shell	75.3160184	1	7.74823504
	2016	female	mature	old shell	46.3071556	1	5.88944343
	2017	female	immature	new shell	16.0103614	1	12.5174405
	2017	female	mature	new shell	23.7325777	1	18.987757
	2017	female	mature	old shell	77.2998818	1	2.97551261
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.26924222	20	1.37733611
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	22.4591386	1	15.509776
	1981	male	all maturity st	all shell condi	473.86076	1	0.87024739
	1982	male	all maturity st	all shell condi	236.77257	1	2.94214646
	1983	male	all maturity st	all shell condi	40.7118075	1	1.59493023
	1984	male	all maturity st	all shell condi	292.089999	1	0.8239613
	1988	male	all maturity st	all shell condi	56.089648	1	8.94288955
	1989	male	all maturity st	all shell condi	145.810299	1	1.00179841
	1990	male	all maturity st	all shell condi	42.6382426	1	15.7916346
	1991	male	all maturity st	all shell condi	470.790939	1	2.22946257
	1992	male	all maturity st	all shell condi	69.5919663	1	15.2506726
	1993	male	all maturity st	all shell condi	221.134703	1	7.08863107
	1994	male	all maturity st	all shell condi	64.1699878	1	21.7849125
	1995	male	all maturity st	all shell condi	182.433986	1	0.37201773
	1996	male	all maturity st	all shell condi	159.003012	1	1.35701666
	2005	male	all maturity st	all shell condi	15.8074915	1	1.3534041
	2006	male	all maturity st	all shell condi	205.419143	1	0.75412728
	2007	male	all maturity st	all shell condi	765.499095	1	1.03306059

	2008	male	all maturity st	all shell condi	437.194406	1	0.71087726
	2009	male	all maturity st	all shell condi	73.0979626	1	1.08612199
	2013	male	all maturity st	all shell condi	490.986818	1	0.5152663
	2014	male	all maturity st	all shell condi	338.381168	1	2.58509845
	2015	male	all maturity st	all shell condi	234.447351	1	6.25624777
all		male	all maturity st	all shell condi	0.23633488	20	0.36305214
all		female	all maturity st	all shell condi	0.52656894	20	1.80228652
	1991	male	all maturity st	all shell condi	267.708709	1	5.65464219
	1991	female	all maturity st	all shell condi	342.947157	1	1.25506185
	1992	male	all maturity st	all shell condi	116.766098	1	19.3029872
	1992	female	all maturity st	all shell condi	911.1128	1	0.38728372
	1993	male	all maturity st	all shell condi	100.978846	1	17.9069067
	1993	female	all maturity st	all shell condi	368.630846	1	0.69420803
	1994	male	all maturity st	all shell condi	54.7754277	1	7.10328481
	1994	female	all maturity st	all shell condi	71.7055076	1	1.35012817
	1995	male	all maturity st	all shell condi	201.145782	1	1.39475822
	1995	female	all maturity st	all shell condi	117.776596	1	0.89978609
	1996	male	all maturity st	all shell condi	30.0254168	1	1.36394928
	1996	female	all maturity st	all shell condi	153.966695	1	0.07118898
	2005	male	all maturity st	all shell condi	118.36357	1	13.3775528
	2005	female	all maturity st	all shell condi	39.7597483	1	1.01605281
	2006	male	all maturity st	all shell condi	372.721823	1	4.43941974
	2006	female	all maturity st	all shell condi	285.726262	1	0.87211096
	2007	male	all maturity st	all shell condi	494.671905	1	4.85735869
	2007	female	all maturity st	all shell condi	332.582846	1	0.34167661
	2008	male	all maturity st	all shell condi	703.025648	1	4.31048829
	2008	female	all maturity st	all shell condi	43.3951774	1	0.34249408
	2009	male	all maturity st	all shell condi	153.444242	1	7.39930182
	2009	female	all maturity st	all shell condi	24.5778636	1	0.17145506
	2013	male	all maturity st	all shell condi	3789.40471	1	1.01083137
	2013	female	all maturity st	all shell condi	66.0251433	1	0.51222238
	2014	male	all maturity st	all shell condi	273.78808	1	9.33791722
	2014	female	all maturity st	all shell condi	148.469921	1	0.26554316
	2015	male	all maturity st	all shell condi	158.240469	1	12.1834367
	2015	female	all maturity st	all shell condi	75.6757788	1	1.20411153
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.04329938	20	0.02343545
all		female	all maturity st	all shell condi	0.29517516	20	1.08910469
	1992	male	all maturity st	all shell condi	156.625111	1	2.90325076
	1992	female	all maturity st	all shell condi	19.2156953	1	0.98297161

1993	male	all maturity st	all shell condi	208.036898	1	1.11388039
1993	female	all maturity st	all shell condi	32.37832	1	1.24287273
1994	male	all maturity st	all shell condi	266.328667	1	0.4117019
1994	female	all maturity st	all shell condi	37.7313853	1	2.02547476
1995	male	all maturity st	all shell condi	136.331791	1	0.50207122
1995	female	all maturity st	all shell condi	42.0119779	1	0.30587158
1996	male	all maturity st	all shell condi	43.3336718	1	4.40054359
1996	female	all maturity st	all shell condi	47.947386	1	0.44596023
1997	male	all maturity st	all shell condi	465.614657	1	0.85033297
1997	female	all maturity st	all shell condi	118.390847	1	0.18766789
1998	male	all maturity st	all shell condi	307.08764	1	0.39248965
1998	female	all maturity st	all shell condi	19.576223	1	0.35830568
1999	male	all maturity st	all shell condi	150.61034	1	0.34981915
1999	female	all maturity st	all shell condi	28.2871142	1	0.07199118
2000	male	all maturity st	all shell condi	185.332961	1	0.33172904
2000	female	all maturity st	all shell condi	34.54027	1	0.08716264
2001	male	all maturity st	all shell condi	638.292324	1	0.27999524
2001	female	all maturity st	all shell condi	144.701137	1	0.04903034
2002	male	all maturity st	all shell condi	64.7719078	1	0.73893291
2002	female	all maturity st	all shell condi	45.5551071	1	0.06772139
2003	male	all maturity st	all shell condi	111.178018	1	0.3927062
2003	female	all maturity st	all shell condi	43.0931166	1	0.10585744
2004	male	all maturity st	all shell condi	23.5277801	1	1.86236969
2004	female	all maturity st	all shell condi	32.0020668	1	0.84312903
2005	male	all maturity st	all shell condi	110.933891	1	4.83216762
2005	female	all maturity st	all shell condi	135.103203	1	0.14126687
2006	male	all maturity st	all shell condi	73.7085338	1	6.05400481
2006	female	all maturity st	all shell condi	40.8001834	1	1.17616652
2007	male	all maturity st	all shell condi	299.159039	1	2.61776855
2007	female	all maturity st	all shell condi	42.7543604	1	0.42310835
2008	male	all maturity st	all shell condi	80.7312683	1	7.98840585
2008	female	all maturity st	all shell condi	15.2970054	1	2.22323825
2009	male	all maturity st	all shell condi	412.695424	1	2.14438081
2009	female	all maturity st	all shell condi	24.892289	1	0.85100044
2010	male	all maturity st	all shell condi	329.791166	1	1.43118207
2010	female	all maturity st	all shell condi	89.4945604	1	0.16724795
2011	male	all maturity st	all shell condi	185.812695	1	3.70550328
2011	female	all maturity st	all shell condi	57.0068891	1	0.16461393
2012	male	all maturity st	all shell condi	120.059384	1	3.81798427
2012	female	all maturity st	all shell condi	55.2176666	1	0.15192528
2013	male	all maturity st	all shell condi	272.08241	1	2.45713112

	2013	female	all maturity st	all shell condi	160.643345	1	0.09470713
	2014	male	all maturity st	all shell condi	409.935492	1	3.10951056
	2014	female	all maturity st	all shell condi	82.2029797	1	0.37037756
	2015	male	all maturity st	all shell condi	521.654761	1	1.85975536
	2015	female	all maturity st	all shell condi	94.317854	1	0.1046876
	2016	male	all maturity st	all shell condi	356.938983	1	2.90137037
	2016	female	all maturity st	all shell condi	95.8096038	1	0.10587868
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.04485529	20	0.04426394
	1973	male	all maturity st	all shell condi	206.073673	1	0.24664809
	1973	female	all maturity st	all shell condi	178.975076	1	4.37491431
	1974	male	all maturity st	all shell condi	95.8633728	1	2.39482945
	1974	female	all maturity st	all shell condi	246.559029	1	2.51944437
	1975	male	all maturity st	all shell condi	83.2750775	1	0.96637494
	1975	female	all maturity st	all shell condi	179.184214	1	1.83299995
	1976	male	all maturity st	all shell condi	82.9828438	1	-1.6607131
	1976	female	all maturity st	all shell condi	117.430612	1	20.6047175
	1977	male	all maturity st	all shell condi	175.329149	1	-1.444272
	1977	female	all maturity st	all shell condi	257.89909	1	14.9640465
	1978	male	all maturity st	all shell condi	232.163686	1	-4.2001383
	1978	female	all maturity st	all shell condi	137.891823	1	25.7481647
	1979	male	all maturity st	all shell condi	681.770446	1	-6.2046448
	1979	female	all maturity st	all shell condi	354.024256	1	13.5277067
	1980	male	all maturity st	all shell condi	601.446837	1	3.11453777
	1980	female	all maturity st	all shell condi	1014.51223	1	2.1055907
	1981	male	all maturity st	all shell condi	505.898454	1	-4.4640655
	1981	female	all maturity st	all shell condi	65.8081866	1	13.1425673
	1982	male	all maturity st	all shell condi	336.62901	1	4.45534465
	1982	female	all maturity st	all shell condi	71.1845166	1	21.3759213
	1983	male	all maturity st	all shell condi	599.877502	1	18.4476379
	1983	female	all maturity st	all shell condi	195.282921	1	-5.1567394
	1984	male	all maturity st	all shell condi	793.537679	1	22.2425915
	1984	female	all maturity st	all shell condi	437.497995	1	-10.50604
	1985	male	all maturity st	all shell condi	228.059612	1	17.114804
	1985	female	all maturity st	all shell condi	340.964603	1	-1.4511444
	1986	male	all maturity st	all shell condi	224.644579	1	13.3407771
	1986	female	all maturity st	all shell condi	120.811726	1	3.70498327
	1987	male	all maturity st	all shell condi	207.326535	1	22.1672805
	1987	female	all maturity st	all shell condi	570.483075	1	1.11795341
	1988	male	all maturity st	all shell condi	246.135132	1	7.66466989
	1988	female	all maturity st	all shell condi	193.842528	1	9.16582533

1989	male	all maturity st	all shell condi	323.409701	1	4.20188102
1989	female	all maturity st	all shell condi	968.813308	1	13.3214631
1990	male	all maturity st	all shell condi	709.400857	1	16.915131
1990	female	all maturity st	all shell condi	340.553465	1	-8.0826698
1991	male	all maturity st	all shell condi	272.456497	1	1.2899266
1991	female	all maturity st	all shell condi	185.159509	1	6.77573813
1992	male	all maturity st	all shell condi	162.61251	1	5.81430345
1992	female	all maturity st	all shell condi	64.4951423	1	3.14077529
1993	male	all maturity st	all shell condi	71.5724209	1	4.04875991
1993	female	all maturity st	all shell condi	103.12778	1	-0.5384724
1994	male	all maturity st	all shell condi	295.970808	1	2.49421994
1994	female	all maturity st	all shell condi	368.264362	1	0.53365079
1995	male	all maturity st	all shell condi	55.6442672	1	12.7020295
1995	female	all maturity st	all shell condi	58.1208307	1	4.30931012
1996	male	all maturity st	all shell condi	181.06784	1	13.2455846
1996	female	all maturity st	all shell condi	397.544903	1	-4.9299872
1997	male	all maturity st	all shell condi	59.251961	1	18.9259563
1997	female	all maturity st	all shell condi	174.968244	1	4.79423101
1998	male	all maturity st	all shell condi	167.72646	1	6.35272504
1998	female	all maturity st	all shell condi	280.740647	1	6.77594461
1999	male	all maturity st	all shell condi	386.690803	1	4.99815624
1999	female	all maturity st	all shell condi	964.789396	1	2.42773479
2000	male	all maturity st	all shell condi	305.237791	1	6.52864614
2000	female	all maturity st	all shell condi	512.980297	1	0.88592213
2001	male	all maturity st	all shell condi	743.709219	1	8.36199273
2001	female	all maturity st	all shell condi	1198.21193	1	-3.3720108
2002	male	all maturity st	all shell condi	475.219926	1	9.52173941
2002	female	all maturity st	all shell condi	876.828426	1	-0.0293055
2003	male	all maturity st	all shell condi	204.168143	1	4.14824317
2003	female	all maturity st	all shell condi	312.506953	1	5.02798678
2004	male	all maturity st	all shell condi	98.30914	1	-1.3001542
2004	female	all maturity st	all shell condi	29.8332896	1	41.6780329
2005	male	all maturity st	all shell condi	1911.24993	1	3.41131237
2005	female	all maturity st	all shell condi	1651.81542	1	1.15721721
2006	male	all maturity st	all shell condi	180.615705	1	12.7154956
2006	female	all maturity st	all shell condi	180.79385	1	2.4734157
2007	male	all maturity st	all shell condi	184.186742	1	9.55683096
2007	female	all maturity st	all shell condi	104.36833	1	8.21430767
2008	male	all maturity st	all shell condi	175.697895	1	26.0361704
2008	female	all maturity st	all shell condi	213.713082	1	-9.2611229
2009	male	all maturity st	all shell condi	280.467073	1	14.0216843

	2009	female	all maturity st	all shell condi	458.357389	1	-7.0060495
	2010	male	all maturity st	all shell condi	490.162326	1	6.76887037
	2010	female	all maturity st	all shell condi	1198.04916	1	-2.8902183
	2011	male	all maturity st	all shell condi	93.3654866	1	10.0840353
	2011	female	all maturity st	all shell condi	74.0945248	1	19.6129794
	2012	male	all maturity st	all shell condi	286.157879	1	-6.5845448
	2012	female	all maturity st	all shell condi	123.818274	1	13.4164963
	2013	male	all maturity st	all shell condi	256.072108	1	1.74388801
	2013	female	all maturity st	all shell condi	600.203212	1	9.85524062
	2014	male	all maturity st	all shell condi	793.476958	1	10.3111432
	2014	female	all maturity st	all shell condi	750.590852	1	-6.0558938
	2015	male	all maturity st	all shell condi	204.664155	1	16.1121799
	2015	female	all maturity st	all shell condi	283.254999	1	0.8029919
	2016	male	all maturity st	all shell condi	185.226853	1	-2.842409
	2016	female	all maturity st	all shell condi	55.937021	1	24.8408158
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.02382893	20	0.00652991
all		female	all maturity st	all shell condi	0.0111743	20	0.00143595
	1992	male	all maturity st	all shell condi	88.8179024	1	1.27888196
	1992	female	all maturity st	all shell condi	75.7092155	1	0.13079308
	1993	male	all maturity st	all shell condi	247.273835	1	1.87817056
	1993	female	all maturity st	all shell condi	352.836063	1	0.24212554
	1996	male	all maturity st	all shell condi	69.4864583	1	0.11442152
	1996	female	all maturity st	all shell condi	3.50456724	1	0.03163717
	1997	male	all maturity st	all shell condi	18.2284908	1	2.74970632
	1997	female	all maturity st	all shell condi	29.9661805	1	0.05446797
	1998	male	all maturity st	all shell condi	48.5501003	1	0.4549218
	1998	female	all maturity st	all shell condi	21.6422489	1	0.07044484
	1999	male	all maturity st	all shell condi	60.7196524	1	0.23399666
	1999	female	all maturity st	all shell condi	19.2933323	1	0.02566733
	2000	male	all maturity st	all shell condi	222.24727	1	0.48895602
	2000	female	all maturity st	all shell condi	44.478177	1	0.05927318
	2001	male	all maturity st	all shell condi	110.606914	1	0.27503178
	2001	female	all maturity st	all shell condi	55.429289	1	0.03617411
	2002	male	all maturity st	all shell condi	115.168034	1	0.4071919
	2002	female	all maturity st	all shell condi	36.1870146	1	0.04966407
	2003	male	all maturity st	all shell condi	93.2095044	1	0.4273702
	2003	female	all maturity st	all shell condi	51.3577854	1	0.0938258
	2004	male	all maturity st	all shell condi	44.3388002	1	0.5793952
	2004	female	all maturity st	all shell condi	20.9475662	1	0.0574444

2005	male	all maturity st	all shell condi	51.8160686	1	1.4160886
2005	female	all maturity st	all shell condi	13.0903243	1	0.16853862
2006	male	all maturity st	all shell condi	24.9787639	1	1.87852044
2006	female	all maturity st	all shell condi	26.7134886	1	0.2536888
2007	male	all maturity st	all shell condi	121.083285	1	0.88142473
2007	female	all maturity st	all shell condi	104.777233	1	0.08668265
2008	male	all maturity st	all shell condi	53.1048087	1	3.41929173
2008	female	all maturity st	all shell condi	106.692029	1	0.11110811
2009	male	all maturity st	all shell condi	20.5572803	1	7.51492719
2009	female	all maturity st	all shell condi	129.578562	1	0.04701028
2010	male	all maturity st	all shell condi	55.9639792	1	0.75162525
2010	female	all maturity st	all shell condi	35.8407784	1	0.04505989
2011	male	all maturity st	all shell condi	79.3410149	1	0.30558549
2011	female	all maturity st	all shell condi	5.46939076	1	0.02129259
2012	male	all maturity st	all shell condi	101.532956	1	0.48274208
2012	female	all maturity st	all shell condi	6.52611638	1	0.22870194
2013	male	all maturity st	all shell condi	62.7834199	1	1.78226531
2013	female	all maturity st	all shell condi	9.61210897	1	0.18019325
2014	male	all maturity st	all shell condi	147.085979	1	1.4250796
2014	female	all maturity st	all shell condi	21.5115036	1	0.07226417
2015	male	all maturity st	all shell condi	293.786583	1	0.56018564
2015	female	all maturity st	all shell condi	99.8348985	1	0.07352702
2016	male	all maturity st	all shell condi	26.4956064	1	6.50802765
2016	female	all maturity st	all shell condi	19.9505756	1	0.50975156
2015	male	immature	new shell	0.67853283	1	103.680739
2016	male	immature	new shell	0.67853283	1	116.158533
2015	female	immature	new shell	0.47901349	1	78.8649293
2016	female	immature	new shell	0.47901349	1	69.5309699
1994	male	immature	new shell	0.69139792	0	14.1887309
1995	male	immature	new shell	0.69139792	0	33.7110255
1996	male	immature	new shell	0.69139792	0	383.983308
1997	male	immature	new shell	0.69139792	0	517.273649
1998	male	immature	new shell	0.69139792	0	541.399459
1999	male	immature	new shell	0.69139792	0	476.743159
2000	male	immature	new shell	0.69139792	0	784.397548
2001	male	immature	new shell	0.69139792	0	932.713436
2002	male	immature	new shell	0.69139792	0	831.719879
2003	male	immature	new shell	0.69139792	0	282.949945
2004	male	immature	new shell	0.69139792	0	185.374739
2005	male	immature	new shell	0.69139792	0	98.2863699
2006	male	immature	new shell	0.69139792	0	11.6117368

	2011	male	immature	new shell	0.69139792	0	2.18228589
	2012	male	immature	new shell	0.69139792	0	3.14763133
	1994	female	immature	new shell	0.61004373	0	17.861492
	1995	female	immature	new shell	0.61004373	0	18.329828
	1996	female	immature	new shell	0.61004373	0	231.749502
	1997	female	immature	new shell	0.61004373	0	181.168501
	1998	female	immature	new shell	0.61004373	0	249.282289
	1999	female	immature	new shell	0.61004373	0	363.71164
	2000	female	immature	new shell	0.61004373	0	668.025878
	2001	female	immature	new shell	0.61004373	0	596.834799
	2002	female	immature	new shell	0.61004373	0	327.56227
	2003	female	immature	new shell	0.61004373	0	97.0528094
	2004	female	immature	new shell	0.61004373	0	108.230126
	2005	female	immature	new shell	0.61004373	0	23.5531521
	2006	female	immature	new shell	0.61004373	0	7.16026682
	2012	female	immature	new shell	0.61004373	0	2.30127449
	1990	male		new shell	9.62246277	1	71.6460444
	1991	male		new shell	9.62246277	1	70.1946315
	1992	male		new shell	9.62246277	1	18.3922366
	1993	male		new shell	9.62246277	1	33.9954034
	1994	male		new shell	9.62246277	1	22.5855591
	1995	male		new shell	9.62246277	1	14.1417367
	1997	male		new shell	9.62246277	1	9.18492029
	1998	male		new shell	9.62246277	1	28.860695
	1999	male		new shell	9.62246277	1	10.700417
	2000	male		new shell	9.62246277	1	25.7485856
	2001	male		new shell	9.62246277	1	30.312934
	2002	male		new shell	9.62246277	1	21.7091162
	2003	male		new shell	9.62246277	1	13.807384
	2004	male		new shell	9.62246277	1	18.760013
	2005	male		new shell	9.62246277	1	68.5633393
	2008	male		new shell	9.62246277	1	58.8724711
	2010	male		new shell	9.62246277	1	81.7841856
	2012	male		new shell	9.62246277	1	15.5814997
	2014	male		new shell	9.62246277	1	27.9442411
	2016	male		new shell	9.62246277	1	35.1921047
	2017	male		new shell	9.62246277	1	20.780805
all		male	immature	new shell	0.09975135	1	2672.21783
all		male	mature	new shell	0.09975135	1	2672.21783
all		male	immature	old shell	0.09975135	1	2672.21783
all		male	mature	old shell	0.09975135	1	2672.21783

all		female	immature	new shell	0.09975135	1	2672.21783
all		female	mature	new shell	0.09975135	1	2672.21783
all		female	immature	old shell	0.09975135	1	2672.21783
all		female	mature	old shell	0.09975135	1	2672.21783
all		male	immature	new shell	0.09975135	1	16377.5677
all		male	mature	new shell	0.09975135	1	16377.5677
all		male	immature	old shell	0.09975135	1	16377.5677
all		male	mature	old shell	0.09975135	1	16377.5677
all		female	immature	new shell	0.09975135	1	16377.5677
all		female	mature	new shell	0.09975135	1	16377.5677
all		female	immature	old shell	0.09975135	1	16377.5677
all		female	mature	old shell	0.09975135	1	16377.5677
all		male	immature	all shell condi	2.60424223	0	145.814668
all		male	mature	all shell condi	2.16817685	0	101.071303
all		female	immature	all shell condi	2.51429753	0	135.916379
all		female	mature	all shell condi	2.1516672	0	99.5379427
all		male	mature	all shell condi	1.9665083	0	83.1438304
all		female	mature	all shell condi	2.08523896	0	93.4867627
	1975	male	immature	all shell condi	422.36847	0	-2.2339706
	1975	male	mature	all shell condi	56.8840603	0	60.6875616
	1975	female	immature	all shell condi	236.510818	0	6.01292861
	1975	female	mature	all shell condi	93.6447993	0	-11.177604
	1976	male	immature	all shell condi	203.588089	0	14.883242
	1976	male	mature	all shell condi	168.492659	0	4.77660525
	1976	female	immature	all shell condi	53.1326352	0	32.4045235
	1976	female	mature	all shell condi	125.92585	0	-9.8941626
	1977	male	immature	all shell condi	230.708123	0	2.13549085
	1977	male	mature	all shell condi	165.084917	0	-7.4431741
	1977	female	immature	all shell condi	19.2832549	0	62.7094235
	1977	female	mature	all shell condi	269.134913	0	-8.6350903
	1978	male	immature	all shell condi	179.445239	0	-2.9595063
	1978	male	mature	all shell condi	233.021309	0	3.54231268
	1978	female	immature	all shell condi	33.6860595	0	37.8561565
	1978	female	mature	all shell condi	770.180913	0	-4.2897951
	1979	male	immature	all shell condi	282.708049	0	2.36305349
	1979	male	mature	all shell condi	250.301027	0	-6.4889461
	1979	female	immature	all shell condi	302.898631	0	2.8946094
	1979	female	mature	all shell condi	71.2596911	0	25.2790973
	1980	male	immature	all shell condi	211.857817	0	14.3624216
	1980	male	mature	all shell condi	162.744613	0	-12.261853
	1980	female	immature	all shell condi	520.107269	0	5.97767269

1980	female	mature	all shell condi	45.2369767	0	22.571868
1981	male	immature	all shell condi	872.768514	0	-0.324541
1981	male	mature	all shell condi	388.118278	0	-12.461817
1981	female	immature	all shell condi	176.44588	0	-3.2093073
1981	female	mature	all shell condi	22.3390461	0	65.8903066
1982	male	immature	all shell condi	203.147525	0	-12.941456
1982	male	mature	all shell condi	198.750463	0	-13.424409
1982	female	immature	all shell condi	148.927088	0	-6.7480809
1982	female	mature	all shell condi	6.64136665	0	141.755129
1983	male	immature	all shell condi	114.632867	0	11.8039996
1983	male	mature	all shell condi	272.898066	0	-7.164263
1983	female	immature	all shell condi	95.2097913	0	16.4159773
1983	female	mature	all shell condi	119.524118	0	16.3868704
1984	male	immature	all shell condi	251.51656	0	-10.739009
1984	male	mature	all shell condi	284.108136	0	11.0094372
1984	female	immature	all shell condi	135.727692	0	-1.2039512
1984	female	mature	all shell condi	81.854399	0	27.9924401
1985	male	immature	all shell condi	146.989652	0	-18.871095
1985	male	mature	all shell condi	79.5034565	0	34.4946039
1985	female	immature	all shell condi	87.8722763	0	-17.938063
1985	female	mature	all shell condi	43.4091973	0	44.0391903
1986	male	immature	all shell condi	165.944721	0	6.05464004
1986	male	mature	all shell condi	70.3660032	0	29.6664692
1986	female	immature	all shell condi	61.325697	0	-4.872593
1986	female	mature	all shell condi	250.906371	0	4.22132314
1987	male	immature	all shell condi	87.4305942	0	7.55920786
1987	male	mature	all shell condi	409.390738	0	11.57851
1987	female	immature	all shell condi	34.7238438	0	61.7630371
1987	female	mature	all shell condi	469.248063	0	-1.955112
1988	male	immature	all shell condi	223.076611	0	-3.3842546
1988	male	mature	all shell condi	181.389969	0	20.5637333
1988	female	immature	all shell condi	118.951901	0	-9.6975719
1988	female	mature	all shell condi	60.015656	0	28.0840247
1989	male	immature	all shell condi	262.946872	0	-1.7318825
1989	male	mature	all shell condi	410.075333	0	11.7249663
1989	female	immature	all shell condi	176.731531	0	7.12607267
1989	female	mature	all shell condi	297.88139	0	-0.0425173
1990	male	immature	all shell condi	538.061408	0	-8.3121601
1990	male	mature	all shell condi	853.964281	0	1.13570732
1990	female	immature	all shell condi	312.509377	0	2.3900313
1990	female	mature	all shell condi	167.968393	0	19.6482547

1991	male	immature	all shell condi	296.256587	0	0.13789538
1991	male	mature	all shell condi	1143.4046	0	-4.5817374
1991	female	immature	all shell condi	166.197971	0	4.69079579
1991	female	mature	all shell condi	395.558807	0	15.310473
1992	male	immature	all shell condi	677.376993	0	5.42937557
1992	male	mature	all shell condi	454.945365	0	3.95142504
1992	female	immature	all shell condi	323.545782	0	1.89443946
1992	female	mature	all shell condi	3970.59611	0	0.68310654
1993	male	immature	all shell condi	652.044458	0	12.813938
1993	male	mature	all shell condi	556.539313	0	7.80131301
1993	female	immature	all shell condi	617.339328	0	2.6163184
1993	female	mature	all shell condi	301.339888	0	-13.283053
1994	male	immature	all shell condi	332.738188	0	7.56085974
1994	male	mature	all shell condi	948.138139	0	1.57603348
1994	female	immature	all shell condi	87.2658896	0	17.459487
1994	female	mature	all shell condi	480.08566	0	-11.446196
1995	male	immature	all shell condi	302.374575	0	-7.3227064
1995	male	mature	all shell condi	639.865841	0	5.32560619
1995	female	immature	all shell condi	289.45532	0	-4.7404775
1995	female	mature	all shell condi	138.191127	0	23.5926622
1996	male	immature	all shell condi	390.420499	0	-7.4078509
1996	male	mature	all shell condi	521.068571	0	11.3350255
1996	female	immature	all shell condi	208.386209	0	-4.7600264
1996	female	mature	all shell condi	227.630961	0	15.5830651
1997	male	immature	all shell condi	310.748818	0	1.42737294
1997	male	mature	all shell condi	2013.40563	0	-0.9240421
1997	female	immature	all shell condi	102.411896	0	18.1862113
1997	female	mature	all shell condi	875.381099	0	-5.7540349
1998	male	immature	all shell condi	135.225528	0	13.0204896
1998	male	mature	all shell condi	2040.43029	0	0.05642225
1998	female	immature	all shell condi	238.720711	0	16.5405838
1998	female	mature	all shell condi	194.182913	0	-9.7654952
1999	male	immature	all shell condi	161.054902	0	10.0163378
1999	male	mature	all shell condi	787.475581	0	3.10758688
1999	female	immature	all shell condi	186.014723	0	9.56338067
1999	female	mature	all shell condi	454.067924	0	-4.9507001
2000	male	immature	all shell condi	148.144281	0	6.2773008
2000	male	mature	all shell condi	1408.28775	0	5.39095198
2000	female	immature	all shell condi	240.285994	0	3.84326112
2000	female	mature	all shell condi	418.414086	0	-1.9137717
2001	male	immature	all shell condi	222.135367	0	11.9163355

2001	male	mature	all shell condi	835.705167	0	-4.6666775
2001	female	immature	all shell condi	243.706525	0	15.527271
2001	female	mature	all shell condi	390.477299	0	-5.2024294
2002	male	immature	all shell condi	131.395561	0	7.9556871
2002	male	mature	all shell condi	1434.58314	0	-1.9332102
2002	female	immature	all shell condi	90.9113009	0	20.4281601
2002	female	mature	all shell condi	912.224735	0	-3.8589458
2003	male	immature	all shell condi	313.074171	0	4.76517005
2003	male	mature	all shell condi	1501.64626	0	1.12642199
2003	female	immature	all shell condi	251.022659	0	-1.0484749
2003	female	mature	all shell condi	262.543899	0	9.28564286
2004	male	immature	all shell condi	215.993251	0	2.09350618
2004	male	mature	all shell condi	457.029094	0	12.1304045
2004	female	immature	all shell condi	173.59782	0	13.3055706
2004	female	mature	all shell condi	309.55125	0	-4.5899935
2005	male	immature	all shell condi	339.910049	0	-0.0422394
2005	male	mature	all shell condi	1283.14873	0	-4.2347939
2005	female	immature	all shell condi	183.82373	0	21.4541546
2005	female	mature	all shell condi	1825.4083	0	-2.3586942
2006	male	immature	all shell condi	410.710013	0	7.25724568
2006	male	mature	all shell condi	807.883477	0	2.74476272
2006	female	immature	all shell condi	172.762053	0	12.7991339
2006	female	mature	all shell condi	737.766453	0	-5.0216329
2007	male	immature	all shell condi	262.792529	0	23.118468
2007	male	mature	all shell condi	480.223958	0	4.16753146
2007	female	immature	all shell condi	1174.74711	0	1.66847125
2007	female	mature	all shell condi	199.501352	0	-11.028557
2008	male	immature	all shell condi	672.23808	0	11.4794855
2008	male	mature	all shell condi	592.019722	0	2.34285765
2008	female	immature	all shell condi	562.623213	0	3.92423171
2008	female	mature	all shell condi	635.988402	0	-6.8276978
2009	male	immature	all shell condi	208.892003	0	5.61417235
2009	male	mature	all shell condi	525.16155	0	4.29446092
2009	female	immature	all shell condi	107.357958	0	6.1771657
2009	female	mature	all shell condi	1787.53012	0	0.8209026
2010	male	immature	all shell condi	450.561086	0	-1.1210336
2010	male	mature	all shell condi	362.719689	0	14.0314127
2010	female	immature	all shell condi	214.625746	0	-1.413286
2010	female	mature	all shell condi	9645.1504	0	-1.2153573
2011	male	immature	all shell condi	612.258474	0	3.43953037
2011	male	mature	all shell condi	1566.6258	0	4.24279032

	2011	female	immature	all shell condi	232.17482	0	8.57152101
	2011	female	mature	all shell condi	469.474432	0	-4.5609464
	2012	male	immature	all shell condi	389.346083	0	10.1148978
	2012	male	mature	all shell condi	983.686029	0	3.97907604
	2012	female	immature	all shell condi	172.604211	0	2.30294955
	2012	female	mature	all shell condi	752.816628	0	-1.2661572
	2013	male	immature	all shell condi	907.744245	0	4.9388247
	2013	male	mature	all shell condi	324.707924	0	7.99838468
	2013	female	immature	all shell condi	471.782073	0	-0.5226631
	2013	female	mature	all shell condi	1717.51161	0	-0.3499882
	2014	male	immature	all shell condi	410.631892	0	11.5308668
	2014	male	mature	all shell condi	438.182003	0	4.88320799
	2014	female	immature	all shell condi	104.481803	0	14.0469603
	2014	female	mature	all shell condi	451.707767	0	-7.8644114
	2015	male	immature	all shell condi	1045.04766	0	5.83530393
	2015	male	mature	all shell condi	587.519558	0	3.61894078
	2015	female	immature	all shell condi	624.259304	0	2.51669209
	2015	female	mature	all shell condi	329.443668	0	0.75259861
	2016	male	immature	all shell condi	497.015786	0	5.73292833
	2016	male	mature	all shell condi	165.443085	0	23.5795748
	2016	female	immature	all shell condi	411.225703	0	0.52244219
	2016	female	mature	all shell condi	265.616957	0	-6.8996265
	2017	male	immature	all shell condi	98.2480298	0	-0.5357157
	2017	male	mature	all shell condi	151.731797	0	24.0994226
	2017	female	immature	all shell condi	71.6562286	0	7.5514477
	2017	female	mature	all shell condi	523.201106	0	1.05717129
all		male	all maturity st	new shell	2.61934117	1	147.510385
all		male	all maturity st	old shell	3.70629813	1	295.337885
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
all		male	all maturity st	new shell	2.34836223	1	118.568311
all		male	all maturity st	old shell	2.87292077	1	177.453986
all		female	all maturity st	new shell	0	1	0
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	1975	male	all maturity st	new shell	41.3315303	1	37.6092945
	1975	male	all maturity st	old shell	21.7414708	1	51.018588
	1976	male	all maturity st	new shell	98.3069069	1	17.0941102
	1976	male	all maturity st	old shell	16.5552639	1	71.202989
	1977	male	all maturity st	new shell	104.569205	1	12.2637912
	1977	male	all maturity st	old shell	52.3893255	1	29.0507204
	1978	male	all maturity st	new shell	75.4432471	1	15.7936516

1978	male	all maturity st	old shell	39.8993489	1 33.6827593
1979	male	all maturity st	new shell	125.99077	1 6.57056287
1979	male	all maturity st	old shell	25.2366085	1 52.2675933
1980	male	all maturity st	new shell	101.963856	1 8.28436311
1980	male	all maturity st	old shell	26.7281016	1 51.5150623
1981	male	all maturity st	new shell	113.811333	1 11.7240926
1981	male	all maturity st	old shell	26.1503653	1 40.0333994
1982	male	all maturity st	new shell	63.4203173	1 19.4394353
1982	male	all maturity st	old shell	205.396152	1 5.95933312
1983	male	all maturity st	new shell	40.3088717	1 25.5360361
1983	male	all maturity st	old shell	59.8346617	1 18.7999075
1984	male	all maturity st	new shell	78.8662032	1 7.93278778
1984	male	all maturity st	old shell	44.2297563	1 23.968554
1985	male	all maturity st	new shell	91.3332152	1 12.4772197
1985	male	all maturity st	old shell	44.0228057	1 27.0942267
1986	male	all maturity st	new shell	53.6270171	1 16.6439334
1986	male	all maturity st	old shell	76.4888857	1 13.5827966
1987	male	all maturity st	new shell	36.3555131	1 21.858436
1987	male	all maturity st	old shell	196.834596	1 9.35869369
1988	male	all maturity st	new shell	68.9825124	1 17.1261243
1988	male	all maturity st	old shell	205.439707	1 10.4584959
1989	male	all maturity st	new shell	116.269124	1 11.0737233
1989	male	all maturity st	old shell	349.207485	1 7.54090116
1990	male	all maturity st	new shell	322.86737	1 4.55697538
1990	male	all maturity st	old shell	174.475039	1 8.42693369
1991	male	all maturity st	new shell	178.910763	1 6.79599599
1991	male	all maturity st	old shell	170.111237	1 10.2228591
1992	male	all maturity st	new shell	227.575355	1 5.89083696
1992	male	all maturity st	old shell	95.4957589	1 11.488054
1993	male	all maturity st	new shell	337.506864	1 3.69883439
1993	male	all maturity st	old shell	205.221106	1 5.04070075
1994	male	all maturity st	new shell	172.24552	1 5.99912099
1994	male	all maturity st	old shell	175.318276	1 6.21769044
1995	male	all maturity st	new shell	97.1633067	1 9.85963025
1995	male	all maturity st	old shell	152.170367	1 9.15105113
1996	male	all maturity st	new shell	124.697876	1 11.1851769
1996	male	all maturity st	old shell	110.346104	1 9.58215702
1997	male	all maturity st	new shell	119.367554	1 8.24161419
1997	male	all maturity st	old shell	253.776438	1 7.76194865
1998	male	all maturity st	new shell	76.389943	1 10.2624791
1998	male	all maturity st	old shell	230.730212	1 6.27464941

	1999	male	all maturity st	new shell	88.7818746	1	9.18025802
	1999	male	all maturity st	old shell	104.046633	1	11.4653294
	2000	male	all maturity st	new shell	84.7643458	1	6.63678589
	2000	male	all maturity st	old shell	148.390331	1	9.63618983
	2001	male	all maturity st	new shell	108.682839	1	9.67129149
	2001	male	all maturity st	old shell	277.915934	1	7.68755096
	2002	male	all maturity st	new shell	49.1921993	1	15.6335391
	2002	male	all maturity st	old shell	299.278788	1	5.13965737
	2003	male	all maturity st	new shell	134.160781	1	8.42147213
	2003	male	all maturity st	old shell	330.918824	1	6.15759673
	2004	male	all maturity st	new shell	99.2198503	1	9.30971165
	2004	male	all maturity st	old shell	54.475497	1	39.1149029
	2005	male	all maturity st	new shell	145.651425	1	7.45130676
	2005	male	all maturity st	old shell	386.089206	1	6.39456025
	2006	male	all maturity st	new shell	135.854641	1	9.49342335
	2006	male	all maturity st	old shell	292.770046	1	8.11348231
	2007	male	all maturity st	new shell	264.849268	1	6.61942228
	2007	male	all maturity st	old shell	192.489819	1	14.732981
	2008	male	all maturity st	new shell	349.33766	1	4.18627578
	2008	male	all maturity st	old shell	114.539647	1	13.8013924
	2009	male	all maturity st	new shell	68.9993646	1	11.1781661
	2009	male	all maturity st	old shell	96.8659736	1	11.7700561
	2010	male	all maturity st	new shell	90.2238887	1	12.4273239
	2010	male	all maturity st	old shell	144.028642	1	8.96224777
	2011	male	all maturity st	new shell	270.22308	1	2.61932153
	2011	male	all maturity st	old shell	153.771822	1	8.98071773
	2012	male	all maturity st	new shell	229.309284	1	3.6963899
	2012	male	all maturity st	old shell	137.814075	1	9.07743169
	2013	male	all maturity st	new shell	189.331884	1	6.95731103
	2013	male	all maturity st	old shell	227.445667	1	10.3967299
	2014	male	all maturity st	new shell	218.455688	1	7.19675656
	2014	male	all maturity st	old shell	148.860798	1	8.82244784
	2015	male	all maturity st	new shell	434.980732	1	5.2411943
	2015	male	all maturity st	old shell	178.438755	1	7.76911241
	2016	male	all maturity st	new shell	187.231435	1	8.80358254
	2016	male	all maturity st	old shell	107.315666	1	11.973486
	2017	male	all maturity st	new shell	25.9722335	1	17.5798575
	2017	male	all maturity st	old shell	94.413309	1	12.1870225
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0

all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.51429753	1	135.916379
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.20975185	1	104.98457
all		female	mature	old shell	2.55710244	1	140.583618
all		male	immature	new shell	0	1	0
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all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.26920297	1	110.709566
all		female	immature	old shell	0	1	0
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all		female	mature	old shell	2.394168	1	123.238869
	1975	female	immature	new shell	28.0303881	1	14.0849199
	1975	female	mature	new shell	55.1416054	1	5.25066555
	1975	female	mature	old shell	10.4062321	1	24.2455997
	1976	female	immature	new shell	24.651461	1	15.2141982
	1976	female	mature	new shell	159.303526	1	2.82349694
	1976	female	mature	old shell	10.8809204	1	25.6362237
	1977	female	immature	new shell	38.8098363	1	7.85440028
	1977	female	mature	new shell	321.094856	1	2.76175052
	1977	female	mature	old shell	36.7643317	1	8.98111841
	1978	female	immature	new shell	19.8054274	1	14.1979094
	1978	female	mature	new shell	99.3274211	1	2.54037547
	1978	female	mature	old shell	72.8948396	1	4.38453441
	1979	female	immature	new shell	42.1584005	1	4.97741602
	1979	female	mature	new shell	22.1929962	1	15.386354
	1979	female	mature	old shell	40.2014584	1	7.28336331
	1980	female	immature	new shell	126.602259	1	2.54435251
	1980	female	mature	new shell	9.51111989	1	23.4551367
	1980	female	mature	old shell	36.6367962	1	6.86098971
	1981	female	immature	new shell	21.3159549	1	23.4098627
	1981	female	mature	new shell	8.43669556	1	38.3682454
	1981	female	mature	old shell	150.696159	1	4.50450958
	1982	female	immature	new shell	42.4398843	1	17.0722669
	1982	female	mature	new shell	7.70867969	1	31.1450211
	1982	female	mature	old shell	21.6878085	1	12.363043
	1983	female	immature	new shell	36.3427092	1	9.07751353
	1983	female	mature	new shell	60.9264833	1	6.0731041
	1983	female	mature	old shell	60.0522586	1	4.50313516
	1984	female	immature	new shell	29.2525363	1	7.16924816

1984	female	mature	new shell	25.1231716	1	8.86139802
1984	female	mature	old shell	203.998859	1	2.04120161
1985	female	immature	new shell	81.136975	1	5.3367661
1985	female	mature	new shell	14.0605101	1	33.0691822
1985	female	mature	old shell	227.669672	1	2.06855457
1986	female	immature	new shell	26.6883151	1	13.3131399
1986	female	mature	new shell	8.64274436	1	28.4701632
1986	female	mature	old shell	40.5859457	1	7.52743474
1987	female	immature	new shell	12.8087182	1	51.2100541
1987	female	mature	new shell	36.3224299	1	10.5589115
1987	female	mature	old shell	26.7108867	1	14.5483053
1988	female	immature	new shell	64.4241674	1	10.6212858
1988	female	mature	new shell	12.827428	1	27.7203159
1988	female	mature	old shell	41.4690043	1	9.14059199
1989	female	immature	new shell	54.3816859	1	4.57659703
1989	female	mature	new shell	23.6334383	1	13.4649195
1989	female	mature	old shell	40.2690321	1	10.8234778
1990	female	immature	new shell	60.1463641	1	6.29911662
1990	female	mature	new shell	156.81684	1	2.29139599
1990	female	mature	old shell	36.0045318	1	10.9181563
1991	female	immature	new shell	22.7186458	1	13.2742088
1991	female	mature	new shell	86.0462394	1	3.39504947
1991	female	mature	old shell	171.809103	1	2.86212393
1992	female	immature	new shell	29.6445685	1	13.1785656
1992	female	mature	new shell	59.0449298	1	6.35519786
1992	female	mature	old shell	216.423335	1	2.01215571
1993	female	immature	new shell	59.832972	1	7.46486137
1993	female	mature	new shell	26.8277906	1	10.1328323
1993	female	mature	old shell	239.306403	1	1.31186809
1994	female	immature	new shell	27.8677719	1	11.1111387
1994	female	mature	new shell	34.0324238	1	10.9253771
1994	female	mature	old shell	467.503528	1	1.12290255
1995	female	immature	new shell	71.3366416	1	6.49910641
1995	female	mature	new shell	30.8836716	1	13.2034816
1995	female	mature	old shell	604.03187	1	0.61964599
1996	female	immature	new shell	58.5050557	1	8.34226528
1996	female	mature	new shell	32.2115189	1	9.61870485
1996	female	mature	old shell	276.140401	1	1.34176444
1997	female	immature	new shell	54.5713407	1	4.51016452
1997	female	mature	new shell	106.623287	1	3.32680528
1997	female	mature	old shell	212.680592	1	2.19710251

1998	female	immature	new shell	183.727174	1	1.88347667
1998	female	mature	new shell	66.0143762	1	6.1445248
1998	female	mature	old shell	243.16852	1	2.80780433
1999	female	immature	new shell	73.8800322	1	4.78272906
1999	female	mature	new shell	19.3783636	1	12.274673
1999	female	mature	old shell	147.046108	1	2.65750564
2000	female	immature	new shell	73.0485145	1	3.1817942
2000	female	mature	new shell	67.9982673	1	4.14343489
2000	female	mature	old shell	33.4280601	1	10.3965232
2001	female	immature	new shell	158.226149	1	2.23686443
2001	female	mature	new shell	146.77889	1	5.46442536
2001	female	mature	old shell	70.5730826	1	4.30732669
2002	female	immature	new shell	46.7314009	1	5.92529104
2002	female	mature	new shell	36.44213	1	8.7022924
2002	female	mature	old shell	102.490089	1	2.86437894
2003	female	immature	new shell	70.6660712	1	4.66340751
2003	female	mature	new shell	106.903076	1	3.49810079
2003	female	mature	old shell	41.411831	1	10.0744632
2004	female	immature	new shell	84.1331939	1	5.07103378
2004	female	mature	new shell	180.327745	1	1.56904147
2004	female	mature	old shell	41.7353641	1	10.565193
2005	female	immature	new shell	266.506004	1	1.84009087
2005	female	mature	new shell	148.624436	1	4.43193205
2005	female	mature	old shell	223.62975	1	3.25222272
2006	female	immature	new shell	47.6996077	1	8.43694329
2006	female	mature	new shell	284.023868	1	2.05034575
2006	female	mature	old shell	104.101772	1	4.25868655
2007	female	immature	new shell	194.864426	1	2.43495842
2007	female	mature	new shell	70.0138498	1	6.41056692
2007	female	mature	old shell	658.649095	1	0.86598701
2008	female	immature	new shell	81.2548349	1	4.84653086
2008	female	mature	new shell	88.3519737	1	4.9828127
2008	female	mature	old shell	411.336604	1	1.48502244
2009	female	immature	new shell	25.7756641	1	8.92902384
2009	female	mature	new shell	41.3035927	1	5.29696146
2009	female	mature	old shell	335.372737	1	1.14686301
2010	female	immature	new shell	84.5102359	1	5.22043578
2010	female	mature	new shell	213.615952	1	1.99440776
2010	female	mature	old shell	796.259708	1	1.04127015
2011	female	immature	new shell	76.229287	1	5.87402198
2011	female	mature	new shell	32.3228226	1	7.16522967

	2011	female	mature	old shell	285.003269	1	2.19794505
	2012	female	immature	new shell	43.1675482	1	8.90055872
	2012	female	mature	new shell	45.1036606	1	5.57058677
	2012	female	mature	old shell	289.097933	1	1.30317613
	2013	female	immature	new shell	91.8681581	1	4.89204246
	2013	female	mature	new shell	410.438612	1	0.9253883
	2013	female	mature	old shell	64.6516137	1	4.76759073
	2014	female	immature	new shell	19.6411239	1	19.491189
	2014	female	mature	new shell	53.2069206	1	4.20752263
	2014	female	mature	old shell	81.6438596	1	4.30416399
	2015	female	immature	new shell	81.9303283	1	5.14133751
	2015	female	mature	new shell	17.372184	1	14.0710635
	2015	female	mature	old shell	98.9292108	1	3.50435678
	2016	female	immature	new shell	48.1039641	1	8.84532997
	2016	female	mature	new shell	72.01628	1	7.99919431
	2016	female	mature	old shell	45.451545	1	6.05357187
	2017	female	immature	new shell	15.9881536	1	12.5285422
	2017	female	mature	new shell	23.4599676	1	19.2172854
	2017	female	mature	old shell	75.0290997	1	3.1002034
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.26750145	20	1.35958349
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	21.1912519	1	17.3833082
	1981	male	all maturity st	all shell condi	165.668089	1	2.17220127
	1982	male	all maturity st	all shell condi	120.844051	1	4.72912174
	1983	male	all maturity st	all shell condi	38.2499635	1	1.66050563
	1984	male	all maturity st	all shell condi	201.838676	1	1.03663982
	1988	male	all maturity st	all shell condi	38.5396337	1	12.1437179
	1989	male	all maturity st	all shell condi	79.4704994	1	1.64145868
	1990	male	all maturity st	all shell condi	32.3113643	1	21.22793
	1991	male	all maturity st	all shell condi	596.586975	1	2.1212126
	1992	male	all maturity st	all shell condi	67.677813	1	16.0196492
	1993	male	all maturity st	all shell condi	209.302377	1	8.22311747
	1994	male	all maturity st	all shell condi	75.0379718	1	20.0077858
	1995	male	all maturity st	all shell condi	188.632295	1	0.41868398
	1996	male	all maturity st	all shell condi	171.220266	1	1.64995819
	2005	male	all maturity st	all shell condi	14.8719241	1	1.43291258
	2006	male	all maturity st	all shell condi	203.036232	1	0.8667805
	2007	male	all maturity st	all shell condi	862.958666	1	1.19928807
	2008	male	all maturity st	all shell condi	402.948707	1	0.82905427

	2009	male	all maturity st	all shell condi	65.6076664	1	1.25658371
	2013	male	all maturity st	all shell condi	616.498258	1	0.509422
	2014	male	all maturity st	all shell condi	238.133363	1	3.57419349
	2015	male	all maturity st	all shell condi	166.481619	1	8.58250966
all		male	all maturity st	all shell condi	0.22282492	20	0.32273114
all		female	all maturity st	all shell condi	0.52337632	20	1.78049802
	1991	male	all maturity st	all shell condi	237.697617	1	6.2535381
	1991	female	all maturity st	all shell condi	314.145561	1	1.25490793
	1992	male	all maturity st	all shell condi	113.031903	1	20.1108128
	1992	female	all maturity st	all shell condi	953.145252	1	0.39086464
	1993	male	all maturity st	all shell condi	100.160395	1	18.8970184
	1993	female	all maturity st	all shell condi	358.965536	1	0.6830381
	1994	male	all maturity st	all shell condi	64.380758	1	6.26053486
	1994	female	all maturity st	all shell condi	74.8172232	1	1.33949723
	1995	male	all maturity st	all shell condi	243.948298	1	1.23289561
	1995	female	all maturity st	all shell condi	124.632207	1	0.88318492
	1996	male	all maturity st	all shell condi	28.8447755	1	1.47284266
	1996	female	all maturity st	all shell condi	142.434436	1	0.07444877
	2005	male	all maturity st	all shell condi	105.825253	1	15.0058479
	2005	female	all maturity st	all shell condi	39.8184782	1	1.0250555
	2006	male	all maturity st	all shell condi	328.494341	1	5.40258725
	2006	female	all maturity st	all shell condi	266.665608	1	0.90257573
	2007	male	all maturity st	all shell condi	375.796549	1	6.20385243
	2007	female	all maturity st	all shell condi	321.817055	1	0.3518863
	2008	male	all maturity st	all shell condi	747.276565	1	4.90979868
	2008	female	all maturity st	all shell condi	42.8843666	1	0.34810524
	2009	male	all maturity st	all shell condi	140.096199	1	8.34580814
	2009	female	all maturity st	all shell condi	24.6100664	1	0.17015783
	2013	male	all maturity st	all shell condi	2346.90854	1	1.37133889
	2013	female	all maturity st	all shell condi	65.3925827	1	0.50685762
	2014	male	all maturity st	all shell condi	212.679829	1	11.3539046
	2014	female	all maturity st	all shell condi	140.287574	1	0.27980542
	2015	male	all maturity st	all shell condi	127.697722	1	14.8855866
	2015	female	all maturity st	all shell condi	75.7333766	1	1.21739395
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.04322669	20	0.02335683
all		female	all maturity st	all shell condi	0.29180288	20	1.06436148
	1992	male	all maturity st	all shell condi	180.058673	1	2.71491479
	1992	female	all maturity st	all shell condi	18.5708298	1	1.03557666
	1993	male	all maturity st	all shell condi	193.038983	1	1.26830477

1993	female	all maturity st	all shell condi	30.8571862	1	1.30126923
1994	male	all maturity st	all shell condi	283.911795	1	0.39538037
1994	female	all maturity st	all shell condi	39.2694855	1	1.95188871
1995	male	all maturity st	all shell condi	114.971036	1	0.61212882
1995	female	all maturity st	all shell condi	40.5629236	1	0.3154068
1996	male	all maturity st	all shell condi	41.1086002	1	4.57306816
1996	female	all maturity st	all shell condi	44.3356596	1	0.48621135
1997	male	all maturity st	all shell condi	435.497984	1	0.89637767
1997	female	all maturity st	all shell condi	117.481871	1	0.1920138
1998	male	all maturity st	all shell condi	277.359261	1	0.41760004
1998	female	all maturity st	all shell condi	19.3768323	1	0.3648887
1999	male	all maturity st	all shell condi	131.278245	1	0.3929679
1999	female	all maturity st	all shell condi	27.8567896	1	0.07277197
2000	male	all maturity st	all shell condi	177.412275	1	0.34984577
2000	female	all maturity st	all shell condi	34.2954836	1	0.08687634
2001	male	all maturity st	all shell condi	590.727028	1	0.31964528
2001	female	all maturity st	all shell condi	143.574882	1	0.04895011
2002	male	all maturity st	all shell condi	65.9352659	1	0.75588671
2002	female	all maturity st	all shell condi	45.5492056	1	0.06859553
2003	male	all maturity st	all shell condi	113.118372	1	0.40899452
2003	female	all maturity st	all shell condi	42.5778671	1	0.10747794
2004	male	all maturity st	all shell condi	23.7141413	1	1.90508703
2004	female	all maturity st	all shell condi	31.7744237	1	0.85356196
2005	male	all maturity st	all shell condi	117.734308	1	4.57882356
2005	female	all maturity st	all shell condi	125.035342	1	0.14700299
2006	male	all maturity st	all shell condi	73.0037109	1	6.08175115
2006	female	all maturity st	all shell condi	38.7057163	1	1.20917605
2007	male	all maturity st	all shell condi	309.187807	1	2.57773796
2007	female	all maturity st	all shell condi	40.2264577	1	0.44384332
2008	male	all maturity st	all shell condi	79.4473673	1	8.1420855
2008	female	all maturity st	all shell condi	15.7241878	1	2.19801269
2009	male	all maturity st	all shell condi	412.38887	1	2.12488762
2009	female	all maturity st	all shell condi	26.0951863	1	0.82937149
2010	male	all maturity st	all shell condi	324.425463	1	1.44485866
2010	female	all maturity st	all shell condi	90.5724448	1	0.16336142
2011	male	all maturity st	all shell condi	173.271531	1	3.87616459
2011	female	all maturity st	all shell condi	55.9358673	1	0.16261199
2012	male	all maturity st	all shell condi	116.189284	1	3.83938067
2012	female	all maturity st	all shell condi	55.2682424	1	0.14957173
2013	male	all maturity st	all shell condi	262.273412	1	2.49999291
2013	female	all maturity st	all shell condi	153.730304	1	0.09715645

	2014	male	all maturity st	all shell condi	408.76924	1	3.13952266
	2014	female	all maturity st	all shell condi	91.1476506	1	0.34917676
	2015	male	all maturity st	all shell condi	493.015823	1	1.96471266
	2015	female	all maturity st	all shell condi	86.7929484	1	0.11034757
	2016	male	all maturity st	all shell condi	355.279736	1	2.92812835
	2016	female	all maturity st	all shell condi	88.9003834	1	0.11087146
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.05172293	20	0.05885575
	1973	male	all maturity st	all shell condi	194.674529	1	0.18238563
	1973	female	all maturity st	all shell condi	199.651773	1	4.40739978
	1974	male	all maturity st	all shell condi	106.97215	1	1.80913433
	1974	female	all maturity st	all shell condi	269.583684	1	2.49668672
	1975	male	all maturity st	all shell condi	97.1591531	1	0.69325638
	1975	female	all maturity st	all shell condi	187.196055	1	1.79200093
	1976	male	all maturity st	all shell condi	91.0418574	1	-2.5675075
	1976	female	all maturity st	all shell condi	119.269141	1	20.6986799
	1977	male	all maturity st	all shell condi	168.059279	1	-1.4079103
	1977	female	all maturity st	all shell condi	210.134169	1	16.0400175
	1978	male	all maturity st	all shell condi	207.484634	1	-3.1519394
	1978	female	all maturity st	all shell condi	138.935424	1	26.0196456
	1979	male	all maturity st	all shell condi	580.979691	1	-4.7911903
	1979	female	all maturity st	all shell condi	339.20369	1	12.9478503
	1980	male	all maturity st	all shell condi	634.710902	1	3.94825394
	1980	female	all maturity st	all shell condi	925.491664	1	1.28395152
	1981	male	all maturity st	all shell condi	675.972896	1	-4.0642159
	1981	female	all maturity st	all shell condi	69.0512724	1	12.0590648
	1982	male	all maturity st	all shell condi	395.009888	1	5.28071755
	1982	female	all maturity st	all shell condi	71.3388955	1	19.9919075
	1983	male	all maturity st	all shell condi	654.769668	1	18.4690692
	1983	female	all maturity st	all shell condi	190.294444	1	-5.5978363
	1984	male	all maturity st	all shell condi	823.565353	1	21.6418701
	1984	female	all maturity st	all shell condi	421.835178	1	-9.9477597
	1985	male	all maturity st	all shell condi	220.631997	1	16.9424545
	1985	female	all maturity st	all shell condi	342.614422	1	-0.8583479
	1986	male	all maturity st	all shell condi	191.91125	1	14.3158486
	1986	female	all maturity st	all shell condi	115.284546	1	4.2377835
	1987	male	all maturity st	all shell condi	209.852192	1	21.2149822
	1987	female	all maturity st	all shell condi	542.777559	1	1.79553748
	1988	male	all maturity st	all shell condi	239.55002	1	7.41145253
	1988	female	all maturity st	all shell condi	193.458208	1	9.65385803
	1989	male	all maturity st	all shell condi	330.771782	1	3.26495142

1989	female	all maturity st	all shell condi	987.242904	1	13.954279
1990	male	all maturity st	all shell condi	735.508999	1	16.955207
1990	female	all maturity st	all shell condi	348.319017	1	-8.1976626
1991	male	all maturity st	all shell condi	274.681698	1	1.54678147
1991	female	all maturity st	all shell condi	185.651967	1	6.5715931
1992	male	all maturity st	all shell condi	164.078416	1	6.01316763
1992	female	all maturity st	all shell condi	63.1691692	1	3.03746654
1993	male	all maturity st	all shell condi	71.5477835	1	4.15322871
1993	female	all maturity st	all shell condi	96.9131289	1	-0.597768
1994	male	all maturity st	all shell condi	276.147897	1	2.97017387
1994	female	all maturity st	all shell condi	348.659071	1	0.12972812
1995	male	all maturity st	all shell condi	55.8073532	1	12.914483
1995	female	all maturity st	all shell condi	55.7470754	1	4.16803043
1996	male	all maturity st	all shell condi	183.832177	1	13.5648379
1996	female	all maturity st	all shell condi	388.450228	1	-5.400095
1997	male	all maturity st	all shell condi	63.7703331	1	17.9866496
1997	female	all maturity st	all shell condi	182.903537	1	3.954425
1998	male	all maturity st	all shell condi	191.470697	1	5.76855111
1998	female	all maturity st	all shell condi	303.20958	1	6.17854935
1999	male	all maturity st	all shell condi	403.323474	1	4.97041826
1999	female	all maturity st	all shell condi	1050.19796	1	2.22562088
2000	male	all maturity st	all shell condi	319.158306	1	6.21288945
2000	female	all maturity st	all shell condi	536.573969	1	0.82971956
2001	male	all maturity st	all shell condi	909.581367	1	7.74042479
2001	female	all maturity st	all shell condi	1241.06834	1	-3.2994028
2002	male	all maturity st	all shell condi	506.026151	1	8.83122076
2002	female	all maturity st	all shell condi	889.366231	1	0.13558809
2003	male	all maturity st	all shell condi	208.898787	1	4.18913583
2003	female	all maturity st	all shell condi	300.26128	1	5.31392513
2004	male	all maturity st	all shell condi	98.3068079	1	-1.2750863
2004	female	all maturity st	all shell condi	29.5304502	1	42.1094406
2005	male	all maturity st	all shell condi	1792.12477	1	3.45903905
2005	female	all maturity st	all shell condi	1618.78251	1	1.28514901
2006	male	all maturity st	all shell condi	171.584775	1	13.0384677
2006	female	all maturity st	all shell condi	176.673603	1	2.70241024
2007	male	all maturity st	all shell condi	181.458735	1	9.74393351
2007	female	all maturity st	all shell condi	104.345669	1	8.20870027
2008	male	all maturity st	all shell condi	168.25802	1	27.1800243
2008	female	all maturity st	all shell condi	210.48658	1	-9.3226974
2009	male	all maturity st	all shell condi	253.931393	1	14.6760738
2009	female	all maturity st	all shell condi	444.854834	1	-7.0149658

	2010	male	all maturity st	all shell condi	453.604345	1	6.96408871
	2010	female	all maturity st	all shell condi	1221.46382	1	-2.7754026
	2011	male	all maturity st	all shell condi	94.8158755	1	9.70140307
	2011	female	all maturity st	all shell condi	73.2004316	1	20.0106929
	2012	male	all maturity st	all shell condi	289.126279	1	-6.8875699
	2012	female	all maturity st	all shell condi	114.074465	1	14.0907065
	2013	male	all maturity st	all shell condi	273.700062	1	1.21880516
	2013	female	all maturity st	all shell condi	552.345146	1	10.4144107
	2014	male	all maturity st	all shell condi	714.969298	1	10.9852714
	2014	female	all maturity st	all shell condi	766.274297	1	-6.2150473
	2015	male	all maturity st	all shell condi	184.425307	1	18.2076696
	2015	female	all maturity st	all shell condi	274.389295	1	0.35792071
	2016	male	all maturity st	all shell condi	169.382355	1	-1.4194916
	2016	female	all maturity st	all shell condi	57.4496736	1	24.386656
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.03043804	20	0.01065446
all		female	all maturity st	all shell condi	0.01065604	20	0.00130584
	1992	male	all maturity st	all shell condi	88.8376678	1	1.30180327
	1992	female	all maturity st	all shell condi	74.3861339	1	0.13151025
	1993	male	all maturity st	all shell condi	263.742246	1	1.95101415
	1993	female	all maturity st	all shell condi	367.873404	1	0.23704714
	1996	male	all maturity st	all shell condi	59.1177235	1	0.1287762
	1996	female	all maturity st	all shell condi	3.52313027	1	0.03153648
	1997	male	all maturity st	all shell condi	16.693319	1	3.04873865
	1997	female	all maturity st	all shell condi	29.6122954	1	0.05502226
	1998	male	all maturity st	all shell condi	44.9056471	1	0.49598965
	1998	female	all maturity st	all shell condi	21.6492165	1	0.07042814
	1999	male	all maturity st	all shell condi	62.2407077	1	0.227413
	1999	female	all maturity st	all shell condi	19.4075007	1	0.02565355
	2000	male	all maturity st	all shell condi	223.37126	1	0.48613032
	2000	female	all maturity st	all shell condi	44.8748214	1	0.05916463
	2001	male	all maturity st	all shell condi	111.643665	1	0.27520727
	2001	female	all maturity st	all shell condi	55.3725146	1	0.03593835
	2002	male	all maturity st	all shell condi	124.876509	1	0.38184914
	2002	female	all maturity st	all shell condi	36.9651776	1	0.04880385
	2003	male	all maturity st	all shell condi	90.6001206	1	0.44783913
	2003	female	all maturity st	all shell condi	51.2624133	1	0.09395685
	2004	male	all maturity st	all shell condi	45.5871617	1	0.57674851
	2004	female	all maturity st	all shell condi	21.1505286	1	0.05709911
	2005	male	all maturity st	all shell condi	51.5475259	1	1.44078129

2005	female	all maturity st	all shell condi	13.1629302	1	0.1679564
2006	male	all maturity st	all shell condi	25.8687601	1	1.82544574
2006	female	all maturity st	all shell condi	27.0433777	1	0.25261013
2007	male	all maturity st	all shell condi	128.102436	1	0.85284839
2007	female	all maturity st	all shell condi	102.013553	1	0.08775195
2008	male	all maturity st	all shell condi	51.0640058	1	3.56175671
2008	female	all maturity st	all shell condi	107.218388	1	0.11027373
2009	male	all maturity st	all shell condi	20.2813848	1	7.69424396
2009	female	all maturity st	all shell condi	132.800017	1	0.0465794
2010	male	all maturity st	all shell condi	57.9930333	1	0.73427161
2010	female	all maturity st	all shell condi	35.5702468	1	0.04527857
2011	male	all maturity st	all shell condi	83.8898629	1	0.2967383
2011	female	all maturity st	all shell condi	5.41775	1	0.02153768
2012	male	all maturity st	all shell condi	114.926892	1	0.44163661
2012	female	all maturity st	all shell condi	6.5625674	1	0.2287353
2013	male	all maturity st	all shell condi	63.6553627	1	1.72695134
2013	female	all maturity st	all shell condi	9.61202069	1	0.18136173
2014	male	all maturity st	all shell condi	146.643315	1	1.41759775
2014	female	all maturity st	all shell condi	21.8266284	1	0.07249688
2015	male	all maturity st	all shell condi	323.692163	1	0.53051912
2015	female	all maturity st	all shell condi	101.937189	1	0.07368298
2016	male	all maturity st	all shell condi	27.9053908	1	6.21824943
2016	female	all maturity st	all shell condi	19.8542383	1	0.51072654
2015	male	immature	new shell	0.74191331	1	108.546132
2016	male	immature	new shell	0.74191331	1	124.719349
2015	female	immature	new shell	0.49194853	1	79.3331118
2016	female	immature	new shell	0.49194853	1	70.9754844
1994	male	immature	new shell	0.74704654	0	14.898716
1995	male	immature	new shell	0.74704654	0	35.3460636
1996	male	immature	new shell	0.74704654	0	395.066287
1997	male	immature	new shell	0.74704654	0	558.101678
1998	male	immature	new shell	0.74704654	0	595.709618
1999	male	immature	new shell	0.74704654	0	498.137445
2000	male	immature	new shell	0.74704654	0	802.993095
2001	male	immature	new shell	0.74704654	0	978.704999
2002	male	immature	new shell	0.74704654	0	911.557889
2003	male	immature	new shell	0.74704654	0	313.599599
2004	male	immature	new shell	0.74704654	0	196.979019
2005	male	immature	new shell	0.74704654	0	111.24595
2006	male	immature	new shell	0.74704654	0	13.3368544
2011	male	immature	new shell	0.74704654	0	2.19928616

	2012	male	immature	new shell	0.74704654	0	3.44591441
	1994	female	immature	new shell	0.60537337	0	17.679795
	1995	female	immature	new shell	0.60537337	0	18.1198778
	1996	female	immature	new shell	0.60537337	0	231.394832
	1997	female	immature	new shell	0.60537337	0	180.397636
	1998	female	immature	new shell	0.60537337	0	252.062121
	1999	female	immature	new shell	0.60537337	0	360.200091
	2000	female	immature	new shell	0.60537337	0	662.831052
	2001	female	immature	new shell	0.60537337	0	595.6597
	2002	female	immature	new shell	0.60537337	0	327.159929
	2003	female	immature	new shell	0.60537337	0	97.4521722
	2004	female	immature	new shell	0.60537337	0	106.796375
	2005	female	immature	new shell	0.60537337	0	23.6734583
	2006	female	immature	new shell	0.60537337	0	7.11625834
	2012	female	immature	new shell	0.60537337	0	2.31958282
	1990	male		new shell	10.5666265	1	75.5328413
	1991	male		new shell	10.5666265	1	73.4950367
	1992	male		new shell	10.5666265	1	18.0812261
	1993	male		new shell	10.5666265	1	37.2846686
	1994	male		new shell	10.5666265	1	23.5568899
	1995	male		new shell	10.5666265	1	14.8803074
	1997	male		new shell	10.5666265	1	8.59819645
	1998	male		new shell	10.5666265	1	30.0056999
	1999	male		new shell	10.5666265	1	9.86117603
	2000	male		new shell	10.5666265	1	26.3434243
	2001	male		new shell	10.5666265	1	31.5977067
	2002	male		new shell	10.5666265	1	23.8308561
	2003	male		new shell	10.5666265	1	15.42387
	2004	male		new shell	10.5666265	1	20.657703
	2005	male		new shell	10.5666265	1	72.7539759
	2008	male		new shell	10.5666265	1	61.7081231
	2010	male		new shell	10.5666265	1	86.6353015
	2012	male		new shell	10.5666265	1	16.0359716
	2014	male		new shell	10.5666265	1	29.2797848
	2016	male		new shell	10.5666265	1	34.5766381
	2017	male		new shell	10.5666265	1	23.3063846
all		male	immature	new shell	0.09975135	1	2808.91805
all		male	mature	new shell	0.09975135	1	2808.91805
all		male	immature	old shell	0.09975135	1	2808.91805
all		male	mature	old shell	0.09975135	1	2808.91805
all		female	immature	new shell	0.09975135	1	2808.91805

all		female	mature	new shell	0.09975135	1	2808.91805
all		female	immature	old shell	0.09975135	1	2808.91805
all		female	mature	old shell	0.09975135	1	2808.91805
all		male	immature	new shell	0.09975135	1	33414.0518
all		male	mature	new shell	0.09975135	1	33414.0518
all		male	immature	old shell	0.09975135	1	33414.0518
all		male	mature	old shell	0.09975135	1	33414.0518
all		female	immature	new shell	0.09975135	1	33414.0518
all		female	mature	new shell	0.09975135	1	33414.0518
all		female	immature	old shell	0.09975135	1	33414.0518
all		female	mature	old shell	0.09975135	1	33414.0518
all		male	immature	all shell condi	2.83858598	0	173.237763
all		male	mature	all shell condi	2.03448645	0	88.9914052
all		female	immature	all shell condi	2.69890647	0	156.608066
all		female	mature	all shell condi	2.18099024	0	102.269446
all		male	mature	all shell condi	2.03635983	0	89.1553694
all		female	mature	all shell condi	2.10439858	0	95.2126073
	1975	male	immature	all shell condi	817.733505	0	6.4129849
	1975	male	mature	all shell condi	68.7471634	0	51.2542186
	1975	female	immature	all shell condi	222.981897	0	4.0530562
	1975	female	mature	all shell condi	110.461774	0	-12.013957
	1976	male	immature	all shell condi	374.978976	0	12.6740993
	1976	male	mature	all shell condi	177.250868	0	2.53871312
	1976	female	immature	all shell condi	105.116982	0	19.3243869
	1976	female	mature	all shell condi	181.461149	0	-7.5358245
	1977	male	immature	all shell condi	147.188353	0	10.9653393
	1977	male	mature	all shell condi	161.485147	0	-9.0984111
	1977	female	immature	all shell condi	29.1711349	0	49.8733012
	1977	female	mature	all shell condi	448.005983	0	-6.2849817
	1978	male	immature	all shell condi	366.488047	0	4.61947547
	1978	male	mature	all shell condi	251.435348	0	-1.2251921
	1978	female	immature	all shell condi	61.1375226	0	22.9274301
	1978	female	mature	all shell condi	1196.1527	0	-4.109258
	1979	male	immature	all shell condi	134.197034	0	18.6141671
	1979	male	mature	all shell condi	229.129707	0	-9.3148734
	1979	female	immature	all shell condi	354.975131	0	-3.0961748
	1979	female	mature	all shell condi	74.8189543	0	23.2335861
	1980	male	immature	all shell condi	78.9532271	0	32.7661933
	1980	male	mature	all shell condi	135.2496	0	-14.057896
	1980	female	immature	all shell condi	967.276675	0	2.70768117
	1980	female	mature	all shell condi	46.6179925	0	20.2886117

1981	male	immature	all shell condi	527.285749	0	6.98358791
1981	male	mature	all shell condi	295.832892	0	-14.160601
1981	female	immature	all shell condi	181.03278	0	-4.5128847
1981	female	mature	all shell condi	21.6771288	0	66.8828158
1982	male	immature	all shell condi	222.353028	0	-13.005996
1982	male	mature	all shell condi	232.583967	0	-14.990275
1982	female	immature	all shell condi	137.433011	0	-6.9576524
1982	female	mature	all shell condi	6.30918023	0	145.856494
1983	male	immature	all shell condi	105.620115	0	14.4831566
1983	male	mature	all shell condi	339.585526	0	-7.5442468
1983	female	immature	all shell condi	141.761805	0	9.98018951
1983	female	mature	all shell condi	101.19236	0	19.7867821
1984	male	immature	all shell condi	351.137753	0	-8.366132
1984	male	mature	all shell condi	258.596988	0	13.0428669
1984	female	immature	all shell condi	115.384216	0	-8.8710378
1984	female	mature	all shell condi	60.4972076	0	33.1250867
1985	male	immature	all shell condi	228.179582	0	-14.868286
1985	male	mature	all shell condi	76.0454418	0	35.6049313
1985	female	immature	all shell condi	72.2359994	0	-22.740736
1985	female	mature	all shell condi	39.4286598	0	46.131622
1986	male	immature	all shell condi	262.286401	0	13.1589317
1986	male	mature	all shell condi	81.7834299	0	27.5505127
1986	female	immature	all shell condi	63.5981816	0	-11.12669
1986	female	mature	all shell condi	236.274899	0	3.93899086
1987	male	immature	all shell condi	118.96453	0	12.4970346
1987	male	mature	all shell condi	728.697013	0	7.80867764
1987	female	immature	all shell condi	36.3552341	0	52.5169071
1987	female	mature	all shell condi	330.341086	0	-2.9586779
1988	male	immature	all shell condi	311.905354	0	4.51861666
1988	male	mature	all shell condi	280.798562	0	16.029646
1988	female	immature	all shell condi	101.09925	0	-12.78005
1988	female	mature	all shell condi	69.3589891	0	25.6972357
1989	male	immature	all shell condi	213.875739	0	6.86834573
1989	male	mature	all shell condi	395.299835	0	8.9469871
1989	female	immature	all shell condi	173.795408	0	5.73631356
1989	female	mature	all shell condi	270.57478	0	-0.9055726
1990	male	immature	all shell condi	418.50294	0	-3.175075
1990	male	mature	all shell condi	470.67244	0	0.13864094
1990	female	immature	all shell condi	240.140204	0	2.09849134
1990	female	mature	all shell condi	172.534263	0	19.3615537
1991	male	immature	all shell condi	204.363071	0	5.83801383

1991	male	mature	all shell condi	469.952856	0	-5.6432525
1991	female	immature	all shell condi	118.060574	0	7.78570951
1991	female	mature	all shell condi	356.629297	0	16.2236407
1992	male	immature	all shell condi	437.428719	0	8.62411959
1992	male	mature	all shell condi	236.946409	0	3.56833724
1992	female	immature	all shell condi	282.287947	0	3.59834965
1992	female	mature	all shell condi	2975.58907	0	2.72469806
1993	male	immature	all shell condi	370.595548	0	17.0643867
1993	male	mature	all shell condi	361.927233	0	2.93283402
1993	female	immature	all shell condi	487.016416	0	3.69428261
1993	female	mature	all shell condi	428.698358	0	-10.409233
1994	male	immature	all shell condi	233.861312	0	12.8702287
1994	male	mature	all shell condi	489.657129	0	-4.5666209
1994	female	immature	all shell condi	91.165885	0	17.2751904
1994	female	mature	all shell condi	759.253105	0	-8.3656376
1995	male	immature	all shell condi	383.646151	0	-3.6418499
1995	male	mature	all shell condi	444.556336	0	1.69484557
1995	female	immature	all shell condi	212.309678	0	-6.0276729
1995	female	mature	all shell condi	99.9693108	0	28.6236198
1996	male	immature	all shell condi	642.994428	0	-1.8258871
1996	male	mature	all shell condi	472.322345	0	6.09636126
1996	female	immature	all shell condi	215.007199	0	-5.6394469
1996	female	mature	all shell condi	211.79674	0	16.574722
1997	male	immature	all shell condi	217.228262	0	10.148664
1997	male	mature	all shell condi	2202.97008	0	-4.3269027
1997	female	immature	all shell condi	113.646125	0	14.7703858
1997	female	mature	all shell condi	863.109011	0	-5.8238218
1998	male	immature	all shell condi	99.0689374	0	25.6436432
1998	male	mature	all shell condi	1747.64632	0	-3.969684
1998	female	immature	all shell condi	272.46991	0	15.8852191
1998	female	mature	all shell condi	165.583203	0	-10.581801
1999	male	immature	all shell condi	130.592016	0	18.6897857
1999	male	mature	all shell condi	1252.66197	0	1.53672714
1999	female	immature	all shell condi	282.328492	0	1.98907108
1999	female	mature	all shell condi	527.962524	0	-4.4158128
2000	male	immature	all shell condi	140.073704	0	13.0112925
2000	male	mature	all shell condi	1096.33156	0	5.03815066
2000	female	immature	all shell condi	365.950181	0	-2.8963956
2000	female	mature	all shell condi	407.023677	0	-1.3404429
2001	male	immature	all shell condi	140.69986	0	20.7773218
2001	male	mature	all shell condi	812.570028	0	-5.4975486

2001	female	immature	all shell condi	375.461769	0	8.44831524
2001	female	mature	all shell condi	382.794546	0	-5.2128676
2002	male	immature	all shell condi	109.584249	0	16.2684203
2002	male	mature	all shell condi	1541.93656	0	-3.4292091
2002	female	immature	all shell condi	120.520229	0	13.6634867
2002	female	mature	all shell condi	879.634002	0	-4.033287
2003	male	immature	all shell condi	304.170368	0	11.2218
2003	male	mature	all shell condi	2773.51439	0	0.60985985
2003	female	immature	all shell condi	208.691588	0	-7.7803413
2003	female	mature	all shell condi	229.620287	0	10.386876
2004	male	immature	all shell condi	116.28792	0	13.6453407
2004	male	mature	all shell condi	676.484131	0	7.6661001
2004	female	immature	all shell condi	119.083269	0	12.4544735
2004	female	mature	all shell condi	299.916674	0	-4.8202691
2005	male	immature	all shell condi	234.459854	0	8.02004491
2005	male	mature	all shell condi	1172.55399	0	-5.7946557
2005	female	immature	all shell condi	239.740431	0	17.6837641
2005	female	mature	all shell condi	1439.37655	0	-3.0138235
2006	male	immature	all shell condi	343.833158	0	13.301469
2006	male	mature	all shell condi	1198.25777	0	-1.4491377
2006	female	immature	all shell condi	207.782998	0	10.9482979
2006	female	mature	all shell condi	592.733818	0	-5.8669673
2007	male	immature	all shell condi	189.98669	0	27.8685408
2007	male	mature	all shell condi	865.679571	0	2.39713513
2007	female	immature	all shell condi	706.687212	0	-0.6854328
2007	female	mature	all shell condi	217.255229	0	-10.25732
2008	male	immature	all shell condi	636.263448	0	13.2473919
2008	male	mature	all shell condi	1210.97511	0	0.62657936
2008	female	immature	all shell condi	358.59683	0	5.56868747
2008	female	mature	all shell condi	670.754282	0	-6.5699769
2009	male	immature	all shell condi	175.913405	0	7.57576858
2009	male	mature	all shell condi	505.931274	0	9.72450748
2009	female	immature	all shell condi	58.8652959	0	-2.9662778
2009	female	mature	all shell condi	647.730936	0	5.85877047
2010	male	immature	all shell condi	326.999787	0	7.07976969
2010	male	mature	all shell condi	389.155134	0	12.9018268
2010	female	immature	all shell condi	142.758089	0	-6.300316
2010	female	mature	all shell condi	10570.6508	0	-1.1694978
2011	male	immature	all shell condi	236.596581	0	16.7747256
2011	male	mature	all shell condi	2116.78333	0	0.08920527
2011	female	immature	all shell condi	173.841161	0	7.70876508

	2011	female	mature	all shell condi	318.701302	0	-5.6670124
	2012	male	immature	all shell condi	300.078647	0	18.3154357
	2012	male	mature	all shell condi	1752.30747	0	0.19886939
	2012	female	immature	all shell condi	295.066697	0	-1.3643898
	2012	female	mature	all shell condi	628.358733	0	-3.1181858
	2013	male	immature	all shell condi	751.998733	0	10.1639005
	2013	male	mature	all shell condi	312.35054	0	6.11004239
	2013	female	immature	all shell condi	521.381016	0	-1.6701406
	2013	female	mature	all shell condi	1799.22195	0	-1.5187629
	2014	male	immature	all shell condi	273.815586	0	17.3711673
	2014	male	mature	all shell condi	569.081205	0	2.38614709
	2014	female	immature	all shell condi	89.635415	0	16.2287005
	2014	female	mature	all shell condi	460.966817	0	-7.8894936
	2015	male	immature	all shell condi	700.719738	0	8.39217854
	2015	male	mature	all shell condi	536.916785	0	3.16386037
	2015	female	immature	all shell condi	600.682373	0	1.62908472
	2015	female	mature	all shell condi	348.041185	0	1.5396211
	2016	male	immature	all shell condi	466.53967	0	8.1899028
	2016	male	mature	all shell condi	164.050084	0	23.660756
	2016	female	immature	all shell condi	396.169312	0	-2.3005048
	2016	female	mature	all shell condi	306.723048	0	-5.6886692
	2017	male	immature	all shell condi	86.923153	0	5.7939251
	2017	male	mature	all shell condi	152.024883	0	23.7334154
	2017	female	immature	all shell condi	69.887051	0	4.32253433
	2017	female	mature	all shell condi	545.579218	0	1.28653679
all		male	all maturity st	new shell	2.84617983	1	174.165901
all		male	all maturity st	old shell	3.74303602	1	301.221851
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
all		male	all maturity st	new shell	2.4855582	1	132.82699
all		male	all maturity st	old shell	2.88682714	1	179.176075
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
	1975	male	all maturity st	new shell	59.7343652	1	31.3949118
	1975	male	all maturity st	old shell	25.1215113	1	44.7261717
	1976	male	all maturity st	new shell	178.886428	1	9.01799535
	1976	male	all maturity st	old shell	17.48521	1	69.1507865
	1977	male	all maturity st	new shell	78.2619222	1	15.5310922
	1977	male	all maturity st	old shell	58.4698206	1	23.8632262
	1978	male	all maturity st	new shell	168.991342	1	7.50947095
	1978	male	all maturity st	old shell	43.5890415	1	29.5895609

1979	male	all maturity st	new shell	86.3826175	1	10.0977901
1979	male	all maturity st	old shell	30.9842694	1	41.0884702
1980	male	all maturity st	new shell	50.3992801	1	17.4460488
1980	male	all maturity st	old shell	31.727081	1	40.1309463
1981	male	all maturity st	new shell	74.6225798	1	15.8451438
1981	male	all maturity st	old shell	24.9982012	1	40.8763061
1982	male	all maturity st	new shell	77.9480205	1	16.9543137
1982	male	all maturity st	old shell	299.699324	1	5.61943269
1983	male	all maturity st	new shell	38.08011	1	27.0348552
1983	male	all maturity st	old shell	79.5920196	1	16.6024283
1984	male	all maturity st	new shell	99.7901152	1	6.97392219
1984	male	all maturity st	old shell	51.5542792	1	22.5958225
1985	male	all maturity st	new shell	113.668284	1	11.357799
1985	male	all maturity st	old shell	45.4831376	1	29.6320403
1986	male	all maturity st	new shell	70.0626153	1	14.8873808
1986	male	all maturity st	old shell	86.4162206	1	16.1968514
1987	male	all maturity st	new shell	47.6583096	1	16.3181316
1987	male	all maturity st	old shell	117.138726	1	16.1838669
1988	male	all maturity st	new shell	81.9184274	1	13.5117156
1988	male	all maturity st	old shell	110.797501	1	17.0871775
1989	male	all maturity st	new shell	98.8263871	1	12.4459145
1989	male	all maturity st	old shell	227.972028	1	11.1911907
1990	male	all maturity st	new shell	195.883593	1	7.04275377
1990	male	all maturity st	old shell	102.716632	1	14.7839461
1991	male	all maturity st	new shell	113.956319	1	12.1286578
1991	male	all maturity st	old shell	85.5721133	1	18.9052217
1992	male	all maturity st	new shell	149.924346	1	9.04077135
1992	male	all maturity st	old shell	55.5384606	1	20.0956706
1993	male	all maturity st	new shell	373.936551	1	4.02864304
1993	male	all maturity st	old shell	100.227322	1	9.5292106
1994	male	all maturity st	new shell	159.357696	1	7.03211388
1994	male	all maturity st	old shell	97.4660177	1	10.4755352
1995	male	all maturity st	new shell	93.7316502	1	11.2961882
1995	male	all maturity st	old shell	86.7482182	1	12.6265807
1996	male	all maturity st	new shell	150.015842	1	10.1359259
1996	male	all maturity st	old shell	79.1041939	1	12.4365294
1997	male	all maturity st	new shell	106.38916	1	8.77084805
1997	male	all maturity st	old shell	272.647069	1	8.72323711
1998	male	all maturity st	new shell	71.1897055	1	13.6817944
1998	male	all maturity st	old shell	289.94327	1	7.71174789
1999	male	all maturity st	new shell	87.0353499	1	9.50852986

	1999	male	all maturity st	old shell	106.533119	1	13.0023265
	2000	male	all maturity st	new shell	99.679252	1	6.35302921
	2000	male	all maturity st	old shell	126.203281	1	12.8948101
	2001	male	all maturity st	new shell	90.2837897	1	11.2752186
	2001	male	all maturity st	old shell	150.736816	1	13.3011183
	2002	male	all maturity st	new shell	47.8483543	1	17.299237
	2002	male	all maturity st	old shell	339.455043	1	7.99836674
	2003	male	all maturity st	new shell	146.998815	1	7.88748569
	2003	male	all maturity st	old shell	181.231174	1	11.6637256
	2004	male	all maturity st	new shell	59.9033633	1	15.5792882
	2004	male	all maturity st	old shell	74.4470802	1	25.4443241
	2005	male	all maturity st	new shell	99.8263162	1	10.865849
	2005	male	all maturity st	old shell	308.818046	1	9.26016663
	2006	male	all maturity st	new shell	131.553796	1	10.5707335
	2006	male	all maturity st	old shell	224.725483	1	11.5219122
	2007	male	all maturity st	new shell	215.943321	1	7.90875673
	2007	male	all maturity st	old shell	240.680123	1	13.9234096
	2008	male	all maturity st	new shell	555.007047	1	4.07079385
	2008	male	all maturity st	old shell	151.360187	1	13.1757872
	2009	male	all maturity st	new shell	59.6139464	1	11.7359759
	2009	male	all maturity st	old shell	142.401752	1	9.98811669
	2010	male	all maturity st	new shell	78.5296307	1	11.6902995
	2010	male	all maturity st	old shell	208.385355	1	8.06655338
	2011	male	all maturity st	new shell	142.43913	1	5.78244429
	2011	male	all maturity st	old shell	140.166828	1	12.6630762
	2012	male	all maturity st	new shell	258.955486	1	3.25929348
	2012	male	all maturity st	old shell	107.299242	1	13.1531966
	2013	male	all maturity st	new shell	163.847593	1	7.225221
	2013	male	all maturity st	old shell	179.770168	1	12.3243708
	2014	male	all maturity st	new shell	189.981438	1	9.52665837
	2014	male	all maturity st	old shell	107.616988	1	12.0296756
	2015	male	all maturity st	new shell	367.410103	1	6.50840124
	2015	male	all maturity st	old shell	146.749964	1	9.7316351
	2016	male	all maturity st	new shell	217.562989	1	8.4622177
	2016	male	all maturity st	old shell	91.5378416	1	14.2478499
	2017	male	all maturity st	new shell	23.3482978	1	20.9303185
	2017	male	all maturity st	old shell	84.0613125	1	14.5210043
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0

all		female	immature	new shell	2.69890647	1	156.608066
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.27705534	1	111.477092
all		female	mature	old shell	2.53334463	1	137.983452
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.38396682	1	122.190902
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.2214438	1	106.09847
all		female	mature	old shell	2.37520171	1	121.294038
	1975	female	immature	new shell	24.161872	1	18.1690235
	1975	female	mature	new shell	102.885892	1	3.30413838
	1975	female	mature	old shell	11.2247939	1	22.1684687
	1976	female	immature	new shell	37.2593672	1	9.05982273
	1976	female	mature	new shell	187.048004	1	2.53905375
	1976	female	mature	old shell	12.4600464	1	22.5424678
	1977	female	immature	new shell	26.9992245	1	11.2669452
	1977	female	mature	new shell	461.608646	1	2.28906417
	1977	female	mature	old shell	42.7613118	1	7.92886239
	1978	female	immature	new shell	25.2971863	1	10.3692142
	1978	female	mature	new shell	86.3430527	1	3.0971822
	1978	female	mature	old shell	87.8541234	1	3.70789594
	1979	female	immature	new shell	43.7927526	1	4.65298338
	1979	female	mature	new shell	25.1424542	1	14.273857
	1979	female	mature	old shell	50.8007602	1	6.0622905
	1980	female	immature	new shell	141.187262	1	2.75330374
	1980	female	mature	new shell	9.11984246	1	24.7965286
	1980	female	mature	old shell	42.0162336	1	5.88292933
	1981	female	immature	new shell	28.1451211	1	15.3403326
	1981	female	mature	new shell	7.45089439	1	44.1145699
	1981	female	mature	old shell	163.447771	1	4.44296943
	1982	female	immature	new shell	40.5926223	1	17.2207459
	1982	female	mature	new shell	7.40858767	1	32.7421419
	1982	female	mature	old shell	22.3483196	1	11.9044864
	1983	female	immature	new shell	39.6783005	1	8.12554225
	1983	female	mature	new shell	58.5834932	1	6.43642447
	1983	female	mature	old shell	62.8660315	1	4.24221995
	1984	female	immature	new shell	29.6878948	1	6.76411897
	1984	female	mature	new shell	28.1452912	1	7.92294101

1984	female	mature	old shell	208.371889	1	1.98724464
1985	female	immature	new shell	109.066472	1	4.69412192
1985	female	mature	new shell	13.6622903	1	34.919993
1985	female	mature	old shell	226.051323	1	2.17381398
1986	female	immature	new shell	34.0003905	1	10.838442
1986	female	mature	new shell	7.6636942	1	32.1039009
1986	female	mature	old shell	38.9958437	1	7.99320192
1987	female	immature	new shell	13.761878	1	46.0360085
1987	female	mature	new shell	38.1511176	1	10.5064661
1987	female	mature	old shell	24.8965125	1	15.7246138
1988	female	immature	new shell	65.8337553	1	10.1819686
1988	female	mature	new shell	14.4047027	1	24.7897435
1988	female	mature	old shell	39.5107839	1	9.52590824
1989	female	immature	new shell	49.7924121	1	5.5676101
1989	female	mature	new shell	21.8351348	1	14.2654393
1989	female	mature	old shell	43.5737598	1	10.2797173
1990	female	immature	new shell	47.0016532	1	6.97498284
1990	female	mature	new shell	185.125278	1	1.93552284
1990	female	mature	old shell	35.4041245	1	10.960556
1991	female	immature	new shell	16.111503	1	19.2221943
1991	female	mature	new shell	91.9734743	1	3.07295449
1991	female	mature	old shell	139.60013	1	3.33863151
1992	female	immature	new shell	25.965093	1	15.579052
1992	female	mature	new shell	50.1865383	1	7.39933062
1992	female	mature	old shell	179.312176	1	2.28539664
1993	female	immature	new shell	49.8821091	1	8.65985754
1993	female	mature	new shell	22.600803	1	11.9870715
1993	female	mature	old shell	256.42056	1	1.30737815
1994	female	immature	new shell	34.0692043	1	9.02480243
1994	female	mature	new shell	29.961862	1	12.5474256
1994	female	mature	old shell	475.180716	1	1.07571387
1995	female	immature	new shell	61.9649761	1	7.74824776
1995	female	mature	new shell	28.564209	1	13.7948057
1995	female	mature	old shell	680.433656	1	0.52258114
1996	female	immature	new shell	68.694263	1	7.71354808
1996	female	mature	new shell	25.6303003	1	11.293331
1996	female	mature	old shell	291.308642	1	1.23825553
1997	female	immature	new shell	50.9439649	1	4.91756747
1997	female	mature	new shell	112.68248	1	3.20947345
1997	female	mature	old shell	223.746519	1	2.04864138
1998	female	immature	new shell	158.983446	1	3.20730824

1998	female	mature	new shell	58.5502314	1	6.43193372
1998	female	mature	old shell	272.828367	1	2.58987782
1999	female	immature	new shell	87.1383612	1	4.44050126
1999	female	mature	new shell	21.207289	1	11.3663257
1999	female	mature	old shell	148.942409	1	2.5572196
2000	female	immature	new shell	106.545147	1	2.26866392
2000	female	mature	new shell	49.2739392	1	5.4745051
2000	female	mature	old shell	35.3415175	1	10.0049926
2001	female	immature	new shell	186.616129	1	1.89917728
2001	female	mature	new shell	133.688972	1	5.21384652
2001	female	mature	old shell	64.5194734	1	4.52303674
2002	female	immature	new shell	52.5655027	1	5.27722041
2002	female	mature	new shell	44.2026427	1	7.75502474
2002	female	mature	old shell	96.4973394	1	2.90008566
2003	female	immature	new shell	74.6063005	1	4.23150369
2003	female	mature	new shell	82.2893187	1	3.91007953
2003	female	mature	old shell	45.264604	1	9.43795982
2004	female	immature	new shell	43.7578193	1	8.3132559
2004	female	mature	new shell	222.48801	1	1.22450479
2004	female	mature	old shell	40.0503314	1	10.7580829
2005	female	immature	new shell	269.07401	1	1.97216008
2005	female	mature	new shell	128.172268	1	4.15331484
2005	female	mature	old shell	258.061503	1	2.95238461
2006	female	immature	new shell	54.3884354	1	7.09920361
2006	female	mature	new shell	320.392093	1	1.98590426
2006	female	mature	old shell	115.247006	1	3.84015942
2007	female	immature	new shell	118.003985	1	3.37182003
2007	female	mature	new shell	63.34506	1	6.41583566
2007	female	mature	old shell	778.702274	1	0.7459388
2008	female	immature	new shell	50.259203	1	9.72516632
2008	female	mature	new shell	99.4739297	1	4.80000206
2008	female	mature	old shell	461.112109	1	1.2773016
2009	female	immature	new shell	20.7904138	1	10.964965
2009	female	mature	new shell	32.5398772	1	6.56857965
2009	female	mature	old shell	415.758784	1	0.9109777
2010	female	immature	new shell	69.0783246	1	5.00394073
2010	female	mature	new shell	187.104261	1	2.14631108
2010	female	mature	old shell	1028.5146	1	0.8580466
2011	female	immature	new shell	58.2498487	1	6.56347448
2011	female	mature	new shell	32.7942203	1	7.19655185
2011	female	mature	old shell	286.59259	1	2.09597285

	2012	female	immature	new shell	79.7622211	1	5.27268067
	2012	female	mature	new shell	42.0878998	1	5.73390205
	2012	female	mature	old shell	304.27307	1	1.30692165
	2013	female	immature	new shell	104.663604	1	4.40659735
	2013	female	mature	new shell	317.038131	1	0.99740031
	2013	female	mature	old shell	62.1852958	1	4.98814566
	2014	female	immature	new shell	16.1184023	1	24.80414
	2014	female	mature	new shell	46.0882721	1	4.88251153
	2014	female	mature	old shell	88.3419732	1	4.02366248
	2015	female	immature	new shell	74.8681422	1	5.75067602
	2015	female	mature	new shell	20.1571837	1	12.0896489
	2015	female	mature	old shell	101.651336	1	3.36399194
	2016	female	immature	new shell	51.5568928	1	8.3450766
	2016	female	mature	new shell	73.7701481	1	7.71334136
	2016	female	mature	old shell	48.8599782	1	5.588062
	2017	female	immature	new shell	14.5382819	1	13.8342045
	2017	female	mature	new shell	22.6566352	1	19.5665136
	2017	female	mature	old shell	81.2912805	1	2.81474457
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.19686818	20	0.73638452
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	24.0553862	1	13.4922786
	1981	male	all maturity st	all shell condi	266.370552	1	1.87807816
	1982	male	all maturity st	all shell condi	157.879624	1	5.17803746
	1983	male	all maturity st	all shell condi	47.5643253	1	1.79709279
	1984	male	all maturity st	all shell condi	132.518348	1	1.57913325
	1988	male	all maturity st	all shell condi	45.6066875	1	11.7217865
	1989	male	all maturity st	all shell condi	139.28466	1	1.63569697
	1990	male	all maturity st	all shell condi	48.1851428	1	14.0559448
	1991	male	all maturity st	all shell condi	296.792805	1	4.61769388
	1992	male	all maturity st	all shell condi	59.6352778	1	21.5931833
	1993	male	all maturity st	all shell condi	109.620237	1	12.5890725
	1994	male	all maturity st	all shell condi	87.1801323	1	18.1611868
	1995	male	all maturity st	all shell condi	97.671703	1	1.11364614
	1996	male	all maturity st	all shell condi	116.784707	1	2.54106426
	2005	male	all maturity st	all shell condi	13.2848139	1	1.7015205
	2006	male	all maturity st	all shell condi	105.611686	1	1.59692119
	2007	male	all maturity st	all shell condi	298.901972	1	2.67621219
	2008	male	all maturity st	all shell condi	167.478696	1	1.71876151
	2009	male	all maturity st	all shell condi	56.638077	1	1.7334789

	2013	male	all maturity st	all shell condi	439.826521	1	0.95635692
	2014	male	all maturity st	all shell condi	262.303797	1	4.07588023
	2015	male	all maturity st	all shell condi	174.63978	1	10.552517
all		male	all maturity st	all shell condi	0.1955134	20	0.24846567
all		female	all maturity st	all shell condi	0.60361877	20	2.36831153
	1991	male	all maturity st	all shell condi	1826.49504	1	1.69348272
	1991	female	all maturity st	all shell condi	286.709384	1	1.44362054
	1992	male	all maturity st	all shell condi	107.662323	1	26.2951258
	1992	female	all maturity st	all shell condi	914.412771	1	0.35108881
	1993	male	all maturity st	all shell condi	240.279328	1	12.9755276
	1993	female	all maturity st	all shell condi	380.808429	1	0.64644506
	1994	male	all maturity st	all shell condi	916.801743	1	1.41521394
	1994	female	all maturity st	all shell condi	65.0645487	1	1.4536339
	1995	male	all maturity st	all shell condi	133.927065	1	2.48941911
	1995	female	all maturity st	all shell condi	98.3533332	1	1.03423786
	1996	male	all maturity st	all shell condi	23.6628955	1	1.91279766
	1996	female	all maturity st	all shell condi	172.318287	1	0.06817055
	2005	male	all maturity st	all shell condi	104.307415	1	17.1167589
	2005	female	all maturity st	all shell condi	42.0340443	1	0.96961812
	2006	male	all maturity st	all shell condi	305.432209	1	7.32707789
	2006	female	all maturity st	all shell condi	311.251353	1	0.86507015
	2007	male	all maturity st	all shell condi	410.597497	1	7.96134473
	2007	female	all maturity st	all shell condi	336.314919	1	0.36065733
	2008	male	all maturity st	all shell condi	420.330821	1	8.86210192
	2008	female	all maturity st	all shell condi	44.0875305	1	0.33747648
	2009	male	all maturity st	all shell condi	131.251436	1	10.4979171
	2009	female	all maturity st	all shell condi	24.2111036	1	0.17272529
	2013	male	all maturity st	all shell condi	1229.43289	1	3.0065259
	2013	female	all maturity st	all shell condi	61.9242914	1	0.54051954
	2014	male	all maturity st	all shell condi	276.521673	1	10.8964718
	2014	female	all maturity st	all shell condi	159.652924	1	0.25658375
	2015	male	all maturity st	all shell condi	153.746996	1	14.7866651
	2015	female	all maturity st	all shell condi	75.8976439	1	1.18913037
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.08346771	20	0.08708574
all		female	all maturity st	all shell condi	0.29636306	20	1.0978883
	1992	male	all maturity st	all shell condi	116.24631	1	3.50829028
	1992	female	all maturity st	all shell condi	18.4449548	1	1.0059574
	1993	male	all maturity st	all shell condi	197.181547	1	1.13872046
	1993	female	all maturity st	all shell condi	31.9819322	1	1.23726919

1994	male	all maturity st	all shell condi	283.172256	1	0.39271155
1994	female	all maturity st	all shell condi	37.2846998	1	2.0433487
1995	male	all maturity st	all shell condi	158.288386	1	0.44728882
1995	female	all maturity st	all shell condi	40.3564982	1	0.31770514
1996	male	all maturity st	all shell condi	40.8421748	1	4.45582462
1996	female	all maturity st	all shell condi	45.4315415	1	0.46873581
1997	male	all maturity st	all shell condi	540.553607	1	0.73588391
1997	female	all maturity st	all shell condi	114.956925	1	0.2001539
1998	male	all maturity st	all shell condi	475.576978	1	0.34724455
1998	female	all maturity st	all shell condi	20.0495975	1	0.34731419
1999	male	all maturity st	all shell condi	207.767419	1	0.28891501
1999	female	all maturity st	all shell condi	30.3244766	1	0.06736472
2000	male	all maturity st	all shell condi	269.81222	1	0.29489084
2000	female	all maturity st	all shell condi	33.6955067	1	0.0887156
2001	male	all maturity st	all shell condi	487.854007	1	0.34657194
2001	female	all maturity st	all shell condi	146.265121	1	0.05071072
2002	male	all maturity st	all shell condi	52.0988176	1	0.88794502
2002	female	all maturity st	all shell condi	43.0980048	1	0.07058835
2003	male	all maturity st	all shell condi	98.2975112	1	0.41052468
2003	female	all maturity st	all shell condi	45.3093048	1	0.09934707
2004	male	all maturity st	all shell condi	19.9386365	1	2.08599078
2004	female	all maturity st	all shell condi	31.1034318	1	0.85141902
2005	male	all maturity st	all shell condi	119.533069	1	4.48191841
2005	female	all maturity st	all shell condi	139.320026	1	0.14100495
2006	male	all maturity st	all shell condi	72.9836376	1	6.06766182
2006	female	all maturity st	all shell condi	47.1691751	1	1.11991851
2007	male	all maturity st	all shell condi	323.64637	1	2.50466809
2007	female	all maturity st	all shell condi	46.6746775	1	0.41454085
2008	male	all maturity st	all shell condi	91.0228148	1	7.10254486
2008	female	all maturity st	all shell condi	14.803965	1	2.2586033
2009	male	all maturity st	all shell condi	435.458307	1	2.11852514
2009	female	all maturity st	all shell condi	21.6593751	1	0.94240077
2010	male	all maturity st	all shell condi	303.255265	1	1.53795598
2010	female	all maturity st	all shell condi	78.6594988	1	0.1898177
2011	male	all maturity st	all shell condi	179.6308	1	3.49868665
2011	female	all maturity st	all shell condi	56.7895235	1	0.18071045
2012	male	all maturity st	all shell condi	152.205608	1	3.35185613
2012	female	all maturity st	all shell condi	50.442262	1	0.16574232
2013	male	all maturity st	all shell condi	219.131427	1	2.78833172
2013	female	all maturity st	all shell condi	167.068924	1	0.09541446
2014	male	all maturity st	all shell condi	371.681412	1	3.44162192

	2014	female	all maturity st	all shell condi	61.9748595	1	0.45824262
	2015	male	all maturity st	all shell condi	434.285526	1	2.18531295
	2015	female	all maturity st	all shell condi	110.009545	1	0.09761243
	2016	male	all maturity st	all shell condi	350.194682	1	2.87373809
	2016	female	all maturity st	all shell condi	113.020737	1	0.09790618
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.06392849	20	0.08991073
	1973	male	all maturity st	all shell condi	477.739839	1	-2.2953662
	1973	female	all maturity st	all shell condi	204.760934	1	4.81145512
	1974	male	all maturity st	all shell condi	115.305375	1	1.14398133
	1974	female	all maturity st	all shell condi	217.097682	1	3.11902407
	1975	male	all maturity st	all shell condi	94.7518306	1	0.52412542
	1975	female	all maturity st	all shell condi	146.542453	1	2.13755507
	1976	male	all maturity st	all shell condi	71.9729939	1	-1.2662482
	1976	female	all maturity st	all shell condi	100.341362	1	22.4806256
	1977	male	all maturity st	all shell condi	135.898855	1	-0.4763865
	1977	female	all maturity st	all shell condi	244.66199	1	16.3344786
	1978	male	all maturity st	all shell condi	187.860488	1	-1.9081052
	1978	female	all maturity st	all shell condi	143.410586	1	25.5566488
	1979	male	all maturity st	all shell condi	653.217717	1	-6.5566871
	1979	female	all maturity st	all shell condi	445.228596	1	14.6261969
	1980	male	all maturity st	all shell condi	466.45689	1	2.92555642
	1980	female	all maturity st	all shell condi	948.769256	1	3.09269377
	1981	male	all maturity st	all shell condi	372.004874	1	-4.7626581
	1981	female	all maturity st	all shell condi	61.4494635	1	14.456693
	1982	male	all maturity st	all shell condi	304.35157	1	3.17866474
	1982	female	all maturity st	all shell condi	73.4807653	1	22.7208102
	1983	male	all maturity st	all shell condi	456.042862	1	19.5609075
	1983	female	all maturity st	all shell condi	231.469444	1	-5.1046949
	1984	male	all maturity st	all shell condi	512.850964	1	26.6051401
	1984	female	all maturity st	all shell condi	413.718439	1	-12.457224
	1985	male	all maturity st	all shell condi	253.844047	1	19.0200126
	1985	female	all maturity st	all shell condi	321.937041	1	-3.7505166
	1986	male	all maturity st	all shell condi	237.680508	1	14.5143674
	1986	female	all maturity st	all shell condi	116.733955	1	3.58797818
	1987	male	all maturity st	all shell condi	208.437958	1	25.4556001
	1987	female	all maturity st	all shell condi	652.496486	1	-1.0436015
	1988	male	all maturity st	all shell condi	262.7131	1	8.31377521
	1988	female	all maturity st	all shell condi	203.009733	1	8.06153634
	1989	male	all maturity st	all shell condi	354.041863	1	6.84041687
	1989	female	all maturity st	all shell condi	840.557312	1	10.3825586

1990	male	all maturity st	all shell condi	740.427414	1	18.5633462
1990	female	all maturity st	all shell condi	268.467765	1	-8.0308121
1991	male	all maturity st	all shell condi	282.830365	1	1.18425372
1991	female	all maturity st	all shell condi	174.749578	1	7.624418
1992	male	all maturity st	all shell condi	150.911679	1	5.75186987
1992	female	all maturity st	all shell condi	61.9558553	1	3.66400409
1993	male	all maturity st	all shell condi	69.6924405	1	4.048271
1993	female	all maturity st	all shell condi	112.844802	1	-0.4753931
1994	male	all maturity st	all shell condi	261.450266	1	2.58591884
1994	female	all maturity st	all shell condi	325.296938	1	1.25295631
1995	male	all maturity st	all shell condi	58.1868973	1	12.6818424
1995	female	all maturity st	all shell condi	60.0660555	1	4.64995113
1996	male	all maturity st	all shell condi	177.883891	1	13.537763
1996	female	all maturity st	all shell condi	406.557705	1	-4.692544
1997	male	all maturity st	all shell condi	57.2182944	1	20.7789043
1997	female	all maturity st	all shell condi	163.817156	1	5.50443947
1998	male	all maturity st	all shell condi	154.655013	1	8.40836223
1998	female	all maturity st	all shell condi	263.816204	1	7.20414243
1999	male	all maturity st	all shell condi	346.575036	1	6.44833605
1999	female	all maturity st	all shell condi	862.812032	1	2.29775748
2000	male	all maturity st	all shell condi	342.393282	1	6.88551076
2000	female	all maturity st	all shell condi	551.658356	1	0.39253026
2001	male	all maturity st	all shell condi	574.985948	1	9.74007099
2001	female	all maturity st	all shell condi	1187.87737	1	-3.8109695
2002	male	all maturity st	all shell condi	466.23303	1	9.96637861
2002	female	all maturity st	all shell condi	869.444111	1	-0.4961904
2003	male	all maturity st	all shell condi	189.639549	1	4.9674133
2003	female	all maturity st	all shell condi	305.377341	1	4.748858
2004	male	all maturity st	all shell condi	106.184764	1	-1.4399589
2004	female	all maturity st	all shell condi	31.5852329	1	39.6491396
2005	male	all maturity st	all shell condi	1074.06995	1	4.67337891
2005	female	all maturity st	all shell condi	2056.70683	1	0.74025672
2006	male	all maturity st	all shell condi	202.756039	1	12.2604222
2006	female	all maturity st	all shell condi	182.14906	1	2.39033078
2007	male	all maturity st	all shell condi	157.275998	1	11.4957826
2007	female	all maturity st	all shell condi	104.048863	1	8.63520497
2008	male	all maturity st	all shell condi	137.202784	1	28.8997149
2008	female	all maturity st	all shell condi	214.202165	1	-8.5701339
2009	male	all maturity st	all shell condi	286.983404	1	14.0267689
2009	female	all maturity st	all shell condi	604.836518	1	-6.6979702
2010	male	all maturity st	all shell condi	415.34207	1	7.78239609

	2010	female	all maturity st	all shell condi	1364.65058	1	-2.7912677
	2011	male	all maturity st	all shell condi	90.4192955	1	11.5336388
	2011	female	all maturity st	all shell condi	79.9996689	1	18.4791142
	2012	male	all maturity st	all shell condi	294.640398	1	-5.4470935
	2012	female	all maturity st	all shell condi	146.385288	1	12.1352195
	2013	male	all maturity st	all shell condi	195.181547	1	4.39749212
	2013	female	all maturity st	all shell condi	684.806474	1	9.26607277
	2014	male	all maturity st	all shell condi	728.634791	1	10.1069974
	2014	female	all maturity st	all shell condi	817.405042	1	-5.27187
	2015	male	all maturity st	all shell condi	174.181585	1	17.5865475
	2015	female	all maturity st	all shell condi	295.974044	1	2.1493413
	2016	male	all maturity st	all shell condi	175.269291	1	-2.0712909
	2016	female	all maturity st	all shell condi	50.6868321	1	26.5728429
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.17675991	20	0.35930675
all		female	all maturity st	all shell condi	0.0096466	20	0.00107016
	1992	male	all maturity st	all shell condi	42.2440681	1	2.16395552
	1992	female	all maturity st	all shell condi	75.8721354	1	0.1292694
	1993	male	all maturity st	all shell condi	65.1480732	1	5.07687719
	1993	female	all maturity st	all shell condi	329.628145	1	0.23895586
	1996	male	all maturity st	all shell condi	25.7539602	1	0.24343752
	1996	female	all maturity st	all shell condi	3.47055423	1	0.03176569
	1997	male	all maturity st	all shell condi	26.156628	1	1.8925078
	1997	female	all maturity st	all shell condi	25.1429267	1	0.0617979
	1998	male	all maturity st	all shell condi	66.1657881	1	0.38093974
	1998	female	all maturity st	all shell condi	21.3200537	1	0.07022513
	1999	male	all maturity st	all shell condi	51.4661316	1	0.3079509
	1999	female	all maturity st	all shell condi	18.4304257	1	0.02673868
	2000	male	all maturity st	all shell condi	139.865925	1	0.78856836
	2000	female	all maturity st	all shell condi	42.3663873	1	0.06163123
	2001	male	all maturity st	all shell condi	123.122482	1	0.33618445
	2001	female	all maturity st	all shell condi	51.8837062	1	0.03481178
	2002	male	all maturity st	all shell condi	114.609413	1	0.50849412
	2002	female	all maturity st	all shell condi	39.1578721	1	0.04705776
	2003	male	all maturity st	all shell condi	91.0548895	1	0.53153776
	2003	female	all maturity st	all shell condi	52.2700921	1	0.09433133
	2004	male	all maturity st	all shell condi	44.4660412	1	0.67367474
	2004	female	all maturity st	all shell condi	21.6767615	1	0.05589455
	2005	male	all maturity st	all shell condi	48.1094163	1	1.75021797
	2005	female	all maturity st	all shell condi	13.8409403	1	0.16093283

2006	male	all maturity st	all shell condi	25.560324	1	2.06974176
2006	female	all maturity st	all shell condi	26.6482666	1	0.25104026
2007	male	all maturity st	all shell condi	91.0683238	1	1.43757638
2007	female	all maturity st	all shell condi	103.366672	1	0.08810886
2008	male	all maturity st	all shell condi	60.739702	1	3.55858442
2008	female	all maturity st	all shell condi	107.821409	1	0.11112081
2009	male	all maturity st	all shell condi	26.3713371	1	5.80585825
2009	female	all maturity st	all shell condi	125.131134	1	0.04690613
2010	male	all maturity st	all shell condi	55.8565201	1	0.94362285
2010	female	all maturity st	all shell condi	36.2435641	1	0.04464951
2011	male	all maturity st	all shell condi	78.1352898	1	0.39602026
2011	female	all maturity st	all shell condi	5.51770125	1	0.02118734
2012	male	all maturity st	all shell condi	78.6925145	1	0.71593095
2012	female	all maturity st	all shell condi	6.6376142	1	0.22645962
2013	male	all maturity st	all shell condi	49.1552742	1	2.53050215
2013	female	all maturity st	all shell condi	9.33014687	1	0.18403369
2014	male	all maturity st	all shell condi	112.450637	1	1.9029992
2014	female	all maturity st	all shell condi	21.2436308	1	0.0723455
2015	male	all maturity st	all shell condi	160.981503	1	1.16142181
2015	female	all maturity st	all shell condi	97.9582289	1	0.07602459
2016	male	all maturity st	all shell condi	24.0293293	1	8.0506132
2016	female	all maturity st	all shell condi	20.1600262	1	0.50981461
2015	male	immature	new shell	0.40856958	5	81.1578495
2016	male	immature	new shell	0.40856958	5	96.7746468
2015	female	immature	new shell	0.29425704	5	69.8546092
2016	female	immature	new shell	0.29425704	5	62.2293145
1994	male	immature	new shell	0.47215452	0	11.3446348
1995	male	immature	new shell	0.47215452	0	28.0098935
1996	male	immature	new shell	0.47215452	0	308.91049
1997	male	immature	new shell	0.47215452	0	432.034708
1998	male	immature	new shell	0.47215452	0	464.115452
1999	male	immature	new shell	0.47215452	0	434.300142
2000	male	immature	new shell	0.47215452	0	662.183821
2001	male	immature	new shell	0.47215452	0	739.357746
2002	male	immature	new shell	0.47215452	0	734.093256
2003	male	immature	new shell	0.47215452	0	262.620458
2004	male	immature	new shell	0.47215452	0	165.769182
2005	male	immature	new shell	0.47215452	0	92.4887212
2006	male	immature	new shell	0.47215452	0	11.6179621
2011	male	immature	new shell	0.47215452	0	2.04400136
2012	male	immature	new shell	0.47215452	0	2.72257561

	1994	female	immature	new shell	0.35716306	0	13.5683877
	1995	female	immature	new shell	0.35716306	0	12.6629983
	1996	female	immature	new shell	0.35716306	0	205.104845
	1997	female	immature	new shell	0.35716306	0	155.364067
	1998	female	immature	new shell	0.35716306	0	224.071452
	1999	female	immature	new shell	0.35716306	0	266.597107
	2000	female	immature	new shell	0.35716306	0	509.59002
	2001	female	immature	new shell	0.35716306	0	515.366725
	2002	female	immature	new shell	0.35716306	0	320.160982
	2003	female	immature	new shell	0.35716306	0	86.2460874
	2004	female	immature	new shell	0.35716306	0	85.0062266
	2005	female	immature	new shell	0.35716306	0	23.567558
	2006	female	immature	new shell	0.35716306	0	7.15848828
	2012	female	immature	new shell	0.35716306	0	2.29096989
	1990	male		new shell	1.67694733	5	41.4464063
	1991	male		new shell	1.67694733	5	59.2755412
	1992	male		new shell	1.67694733	5	17.7460739
	1993	male		new shell	1.67694733	5	20.8724736
	1994	male		new shell	1.67694733	5	18.5597676
	1995	male		new shell	1.67694733	5	11.3714619
	1997	male		new shell	1.67694733	5	11.812605
	1998	male		new shell	1.67694733	5	19.2292216
	1999	male		new shell	1.67694733	5	14.6975155
	2000	male		new shell	1.67694733	5	18.8298949
	2001	male		new shell	1.67694733	5	24.018524
	2002	male		new shell	1.67694733	5	15.3236533
	2003	male		new shell	1.67694733	5	9.52371366
	2004	male		new shell	1.67694733	5	16.7275096
	2005	male		new shell	1.67694733	5	53.0457113
	2008	male		new shell	1.67694733	5	36.0160791
	2010	male		new shell	1.67694733	5	45.2798572
	2012	male		new shell	1.67694733	5	17.5716018
	2014	male		new shell	1.67694733	5	16.0788237
	2016	male		new shell	1.67694733	5	37.4898334
	2017	male		new shell	1.67694733	5	12.4688878
all		male	immature	new shell	0.09975135	1	1074.26515
all		male	mature	new shell	0.09975135	1	1074.26515
all		male	immature	old shell	0.09975135	1	1074.26515
all		male	mature	old shell	0.09975135	1	1074.26515
all		female	immature	new shell	0.09975135	1	1074.26515
all		female	mature	new shell	0.09975135	1	1074.26515

all		female	immature	old shell	0.09975135	1	1074.26515
all		female	mature	old shell	0.09975135	1	1074.26515
all		male	immature	new shell	0.09975135	1	543.593059
all		male	mature	new shell	0.09975135	1	543.593059
all		male	immature	old shell	0.09975135	1	543.593059
all		male	mature	old shell	0.09975135	1	543.593059
all		female	immature	new shell	0.09975135	1	543.593059
all		female	mature	new shell	0.09975135	1	543.593059
all		female	immature	old shell	0.09975135	1	543.593059
all		female	mature	old shell	0.09975135	1	543.593059
all		male	immature	all shell condi	2.83773482	0	173.133887
all		male	mature	all shell condi	2.03490954	0	89.0284224
all		female	immature	all shell condi	2.69410792	0	156.051676
all		female	mature	all shell condi	2.1856597	0	102.707829
all		male	mature	all shell condi	2.03685528	0	89.1987579
all		female	mature	all shell condi	2.10893157	0	95.6232357
	1975	male	immature	all shell condi	814.920085	0	6.51161377
	1975	male	mature	all shell condi	68.7453406	0	51.2942448
	1975	female	immature	all shell condi	223.318329	0	3.97930065
	1975	female	mature	all shell condi	109.874119	0	-12.058068
	1976	male	immature	all shell condi	370.161155	0	12.8250791
	1976	male	mature	all shell condi	177.730056	0	2.550421
	1976	female	immature	all shell condi	104.474068	0	19.3482866
	1976	female	mature	all shell condi	180.541024	0	-7.5959461
	1977	male	immature	all shell condi	145.069518	0	11.188332
	1977	male	mature	all shell condi	161.95757	0	-9.0702671
	1977	female	immature	all shell condi	29.1051713	0	49.9222273
	1977	female	mature	all shell condi	441.313841	0	-6.3562624
	1978	male	immature	all shell condi	366.152979	0	4.82446672
	1978	male	mature	all shell condi	249.984926	0	-1.2660252
	1978	female	immature	all shell condi	61.1885085	0	22.9371424
	1978	female	mature	all shell condi	1167.21062	0	-4.2800544
	1979	male	immature	all shell condi	133.37844	0	18.8201522
	1979	male	mature	all shell condi	229.526059	0	-9.3505366
	1979	female	immature	all shell condi	356.935629	0	-3.137102
	1979	female	mature	all shell condi	75.1726761	0	23.0883235
	1980	male	immature	all shell condi	78.1595531	0	33.0252402
	1980	male	mature	all shell condi	135.595668	0	-14.023647
	1980	female	immature	all shell condi	971.380194	0	2.66547849
	1980	female	mature	all shell condi	46.7902962	0	20.1378715
	1981	male	immature	all shell condi	512.267479	0	7.21309584

1981	male	mature	all shell condi	295.515334	0	-14.151932
1981	female	immature	all shell condi	181.994249	0	-4.550415
1981	female	mature	all shell condi	21.7439298	0	66.6831609
1982	male	immature	all shell condi	222.579584	0	-12.987194
1982	male	mature	all shell condi	234.200104	0	-14.909584
1982	female	immature	all shell condi	136.176325	0	-7.0243625
1982	female	mature	all shell condi	6.29578133	0	145.99257
1983	male	immature	all shell condi	104.833606	0	14.5603686
1983	male	mature	all shell condi	343.926434	0	-7.5655135
1983	female	immature	all shell condi	139.117665	0	10.1294407
1983	female	mature	all shell condi	101.843359	0	19.7034924
1984	male	immature	all shell condi	350.293212	0	-8.2916297
1984	male	mature	all shell condi	262.423314	0	12.8888947
1984	female	immature	all shell condi	115.51877	0	-8.784632
1984	female	mature	all shell condi	60.860342	0	33.0220616
1985	male	immature	all shell condi	230.044939	0	-14.81183
1985	male	mature	all shell condi	76.9578447	0	35.4047521
1985	female	immature	all shell condi	72.6338954	0	-22.705256
1985	female	mature	all shell condi	39.7765657	0	45.9620117
1986	male	immature	all shell condi	264.224642	0	13.1765531
1986	male	mature	all shell condi	82.5903556	0	27.4051757
1986	female	immature	all shell condi	64.0329256	0	-11.111876
1986	female	mature	all shell condi	236.88378	0	3.87243005
1987	male	immature	all shell condi	119.52804	0	12.516256
1987	male	mature	all shell condi	733.541825	0	7.73978734
1987	female	immature	all shell condi	36.4732323	0	52.4347213
1987	female	mature	all shell condi	327.948108	0	-2.990989
1988	male	immature	all shell condi	313.869571	0	4.55183778
1988	male	mature	all shell condi	282.512386	0	15.9661499
1988	female	immature	all shell condi	101.499519	0	-12.78479
1988	female	mature	all shell condi	69.6381514	0	25.6284984
1989	male	immature	all shell condi	213.506311	0	6.95941906
1989	male	mature	all shell condi	396.638879	0	8.88964754
1989	female	immature	all shell condi	173.53137	0	5.77693209
1989	female	mature	all shell condi	269.912196	0	-0.9421351
1990	male	immature	all shell condi	418.795488	0	-3.0979151
1990	male	mature	all shell condi	471.016376	0	0.10612554
1990	female	immature	all shell condi	239.6734	0	2.11729647
1990	female	mature	all shell condi	173.239868	0	19.3135102
1991	male	immature	all shell condi	206.69206	0	5.66946595
1991	male	mature	all shell condi	472.647977	0	-5.575403

1991	female	immature	all shell condi	119.788939	0	7.50241431
1991	female	mature	all shell condi	354.421759	0	16.279903
1992	male	immature	all shell condi	444.771319	0	8.53499335
1992	male	mature	all shell condi	237.327546	0	3.63043275
1992	female	immature	all shell condi	285.994225	0	3.48403074
1992	female	mature	all shell condi	2963.95793	0	2.74809661
1993	male	immature	all shell condi	378.653042	0	16.8662073
1993	male	mature	all shell condi	361.87534	0	3.10831303
1993	female	immature	all shell condi	496.752246	0	3.53895144
1993	female	mature	all shell condi	432.380222	0	-10.350942
1994	male	immature	all shell condi	237.874204	0	12.6174085
1994	male	mature	all shell condi	490.501515	0	-4.2869232
1994	female	immature	all shell condi	92.4248288	0	17.0619423
1994	female	mature	all shell condi	774.112917	0	-8.2488773
1995	male	immature	all shell condi	386.67269	0	-3.6283386
1995	male	mature	all shell condi	443.100257	0	1.69755392
1995	female	immature	all shell condi	217.469046	0	-6.0007575
1995	female	mature	all shell condi	100.267287	0	28.5755047
1996	male	immature	all shell condi	652.131214	0	-1.9257155
1996	male	mature	all shell condi	471.219605	0	6.21025033
1996	female	immature	all shell condi	213.228121	0	-5.7723448
1996	female	mature	all shell condi	208.068128	0	16.7551924
1997	male	immature	all shell condi	213.203871	0	10.2779978
1997	male	mature	all shell condi	2156.82827	0	-4.4236426
1997	female	immature	all shell condi	112.047436	0	15.0076905
1997	female	mature	all shell condi	848.344902	0	-5.885409
1998	male	immature	all shell condi	100.038102	0	25.3268269
1998	male	mature	all shell condi	1754.09887	0	-3.9325726
1998	female	immature	all shell condi	280.266778	0	15.5073917
1998	female	mature	all shell condi	166.957304	0	-10.539946
1999	male	immature	all shell condi	128.279416	0	18.8593075
1999	male	mature	all shell condi	1254.31011	0	1.41047267
1999	female	immature	all shell condi	272.89373	0	2.25329381
1999	female	mature	all shell condi	518.894432	0	-4.4861932
2000	male	immature	all shell condi	139.6156	0	13.0636966
2000	male	mature	all shell condi	1100.00967	0	5.01451142
2000	female	immature	all shell condi	359.462811	0	-2.880104
2000	female	mature	all shell condi	407.460265	0	-1.3453368
2001	male	immature	all shell condi	138.552569	0	20.9740993
2001	male	mature	all shell condi	797.613709	0	-5.5735052
2001	female	immature	all shell condi	366.940009	0	8.65146888

2001	female	mature	all shell condi	376.471749	0	-5.2613098
2002	male	immature	all shell condi	108.988253	0	16.3622741
2002	male	mature	all shell condi	1522.80859	0	-3.4588379
2002	female	immature	all shell condi	119.629681	0	13.7147166
2002	female	mature	all shell condi	872.835648	0	-4.0520421
2003	male	immature	all shell condi	302.216311	0	11.3139265
2003	male	mature	all shell condi	2743.29992	0	0.53777203
2003	female	immature	all shell condi	210.63966	0	-7.7083066
2003	female	mature	all shell condi	231.95615	0	10.3097593
2004	male	immature	all shell condi	116.298757	0	13.6918109
2004	male	mature	all shell condi	678.758773	0	7.60196061
2004	female	immature	all shell condi	119.05935	0	12.4916212
2004	female	mature	all shell condi	298.351012	0	-4.8420274
2005	male	immature	all shell condi	231.606748	0	8.19632358
2005	male	mature	all shell condi	1157.10575	0	-5.8573462
2005	female	immature	all shell condi	238.590157	0	17.7996384
2005	female	mature	all shell condi	1410.46739	0	-3.0678008
2006	male	immature	all shell condi	339.806192	0	13.3701788
2006	male	mature	all shell condi	1196.89515	0	-1.4121388
2006	female	immature	all shell condi	208.354638	0	10.8340813
2006	female	mature	all shell condi	593.725791	0	-5.8601363
2007	male	immature	all shell condi	190.963078	0	27.8431776
2007	male	mature	all shell condi	862.393153	0	2.40315318
2007	female	immature	all shell condi	721.423755	0	-0.7308553
2007	female	mature	all shell condi	217.074718	0	-10.266699
2008	male	immature	all shell condi	656.069409	0	12.8887345
2008	male	mature	all shell condi	1192.39485	0	0.97227535
2008	female	immature	all shell condi	384.570507	0	4.81752218
2008	female	mature	all shell condi	692.886778	0	-6.4027109
2009	male	immature	all shell condi	180.272009	0	7.49336788
2009	male	mature	all shell condi	510.244664	0	9.60356543
2009	female	immature	all shell condi	60.2385896	0	-2.9556874
2009	female	mature	all shell condi	664.581422	0	5.7455411
2010	male	immature	all shell condi	334.374867	0	7.02552978
2010	male	mature	all shell condi	389.919707	0	12.8765533
2010	female	immature	all shell condi	145.531968	0	-6.3384405
2010	female	mature	all shell condi	10202.5977	0	-1.2070871
2011	male	immature	all shell condi	235.521204	0	16.9408659
2011	male	mature	all shell condi	2093.73187	0	-0.0050975
2011	female	immature	all shell condi	174.207003	0	7.82191493
2011	female	mature	all shell condi	314.524414	0	-5.7081001

	2012	male	immature	all shell condi	299.442895	0	18.4098805
	2012	male	mature	all shell condi	1733.86647	0	0.16603161
	2012	female	immature	all shell condi	295.880579	0	-1.3981191
	2012	female	mature	all shell condi	628.891455	0	-3.1306759
	2013	male	immature	all shell condi	751.13072	0	10.2575779
	2013	male	mature	all shell condi	313.02299	0	6.07780673
	2013	female	immature	all shell condi	518.188397	0	-1.6468406
	2013	female	mature	all shell condi	1800.30306	0	-1.5350229
	2014	male	immature	all shell condi	276.236055	0	17.2332909
	2014	male	mature	all shell condi	567.019312	0	2.49996022
	2014	female	immature	all shell condi	90.930326	0	15.921769
	2014	female	mature	all shell condi	464.005325	0	-7.8512755
	2015	male	immature	all shell condi	708.978729	0	8.27619755
	2015	male	mature	all shell condi	533.477457	0	3.3519498
	2015	female	immature	all shell condi	602.436357	0	1.48035309
	2015	female	mature	all shell condi	347.165359	0	1.60858002
	2016	male	immature	all shell condi	470.544855	0	8.04326155
	2016	male	mature	all shell condi	162.451719	0	23.9122757
	2016	female	immature	all shell condi	393.997549	0	-2.4211966
	2016	female	mature	all shell condi	308.40384	0	-5.6246262
	2017	male	immature	all shell condi	86.2133356	0	6.04008598
	2017	male	mature	all shell condi	154.100445	0	23.4640903
	2017	female	immature	all shell condi	68.9937457	0	4.77488652
	2017	female	mature	all shell condi	550.744133	0	1.13080759
all		male	all maturity st	new shell	2.84875483	1	174.481187
all		male	all maturity st	old shell	3.74331602	1	301.266919
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
all		male	all maturity st	new shell	2.49210426	1	133.527549
all		male	all maturity st	old shell	2.88810773	1	179.335075
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
	1975	male	all maturity st	new shell	59.7536094	1	31.3633996
	1975	male	all maturity st	old shell	25.1441468	1	44.7078931
	1976	male	all maturity st	new shell	179.319548	1	9.00584452
	1976	male	all maturity st	old shell	17.4995877	1	69.1317712
	1977	male	all maturity st	new shell	77.3187348	1	15.6964319
	1977	male	all maturity st	old shell	58.6116681	1	23.8248581
	1978	male	all maturity st	new shell	170.559279	1	7.43306458
	1978	male	all maturity st	old shell	43.6134607	1	29.6016415
	1979	male	all maturity st	new shell	86.9686897	1	10.0355412

1979	male	all maturity st	old shell	30.9509147	1	41.1771083
1980	male	all maturity st	new shell	50.2637762	1	17.5209436
1980	male	all maturity st	old shell	31.9047469	1	39.922267
1981	male	all maturity st	new shell	73.851423	1	15.9678421
1981	male	all maturity st	old shell	24.980898	1	40.9557805
1982	male	all maturity st	new shell	76.9444595	1	17.0638662
1982	male	all maturity st	old shell	300.860885	1	5.61637521
1983	male	all maturity st	new shell	37.9343928	1	27.0835899
1983	male	all maturity st	old shell	79.5136548	1	16.6238965
1984	male	all maturity st	new shell	99.0061745	1	6.98734639
1984	male	all maturity st	old shell	52.0494302	1	22.4459259
1985	male	all maturity st	new shell	114.335582	1	11.2687276
1985	male	all maturity st	old shell	45.8715735	1	29.4437254
1986	male	all maturity st	new shell	70.5237036	1	14.7851864
1986	male	all maturity st	old shell	86.1206706	1	16.2402802
1987	male	all maturity st	new shell	47.8654062	1	16.2562718
1987	male	all maturity st	old shell	117.067677	1	16.206561
1988	male	all maturity st	new shell	82.2596557	1	13.4593028
1988	male	all maturity st	old shell	110.59638	1	17.1236405
1989	male	all maturity st	new shell	98.9096371	1	12.424961
1989	male	all maturity st	old shell	226.338666	1	11.2533324
1990	male	all maturity st	new shell	195.8662	1	7.03950354
1990	male	all maturity st	old shell	102.719672	1	14.8192355
1991	male	all maturity st	new shell	115.018021	1	11.8504692
1991	male	all maturity st	old shell	85.7439513	1	18.9067734
1992	male	all maturity st	new shell	151.50486	1	8.92787507
1992	male	all maturity st	old shell	55.5846477	1	20.1094936
1993	male	all maturity st	new shell	380.834908	1	3.94340654
1993	male	all maturity st	old shell	100.326699	1	9.54533628
1994	male	all maturity st	new shell	159.531264	1	7.00919779
1994	male	all maturity st	old shell	97.5194279	1	10.4947101
1995	male	all maturity st	new shell	93.7355906	1	11.4154618
1995	male	all maturity st	old shell	86.4559828	1	12.6812027
1996	male	all maturity st	new shell	151.165571	1	10.1630471
1996	male	all maturity st	old shell	78.8205607	1	12.4942106
1997	male	all maturity st	new shell	104.901539	1	8.84633233
1997	male	all maturity st	old shell	272.726421	1	8.7334525
1998	male	all maturity st	new shell	72.2964449	1	13.2996344
1998	male	all maturity st	old shell	288.914523	1	7.74711382
1999	male	all maturity st	new shell	85.8736028	1	9.59061729
1999	male	all maturity st	old shell	106.4062	1	13.0287699

	2000	male	all maturity st	new shell	99.5742101	1	6.33964194
	2000	male	all maturity st	old shell	125.763332	1	12.9545852
	2001	male	all maturity st	new shell	88.9512044	1	11.4198358
	2001	male	all maturity st	old shell	150.77097	1	13.31219
	2002	male	all maturity st	new shell	47.6725979	1	17.3281505
	2002	male	all maturity st	old shell	336.75766	1	8.05130163
	2003	male	all maturity st	new shell	146.510261	1	7.92009766
	2003	male	all maturity st	old shell	181.202328	1	11.6742431
	2004	male	all maturity st	new shell	60.0172171	1	15.5476977
	2004	male	all maturity st	old shell	74.6071657	1	25.3886014
	2005	male	all maturity st	new shell	98.9613383	1	10.978387
	2005	male	all maturity st	old shell	307.214636	1	9.30264782
	2006	male	all maturity st	new shell	130.747618	1	10.5725044
	2006	male	all maturity st	old shell	223.887904	1	11.5614706
	2007	male	all maturity st	new shell	218.525389	1	7.82546237
	2007	male	all maturity st	old shell	240.152449	1	13.9599216
	2008	male	all maturity st	new shell	562.684183	1	3.85363078
	2008	male	all maturity st	old shell	150.95876	1	13.2117714
	2009	male	all maturity st	new shell	61.0758809	1	11.5415787
	2009	male	all maturity st	old shell	142.035328	1	10.0212968
	2010	male	all maturity st	new shell	80.2215655	1	11.5183251
	2010	male	all maturity st	old shell	207.708227	1	8.11063201
	2011	male	all maturity st	new shell	143.039325	1	5.81604363
	2011	male	all maturity st	old shell	140.015996	1	12.6821384
	2012	male	all maturity st	new shell	261.565883	1	3.22946247
	2012	male	all maturity st	old shell	107.134188	1	13.1730837
	2013	male	all maturity st	new shell	164.07967	1	7.24223724
	2013	male	all maturity st	old shell	180.377993	1	12.3273944
	2014	male	all maturity st	new shell	191.558319	1	9.38171597
	2014	male	all maturity st	old shell	107.764268	1	12.0550094
	2015	male	all maturity st	new shell	368.324617	1	6.4739531
	2015	male	all maturity st	old shell	146.761836	1	9.75204508
	2016	male	all maturity st	new shell	218.073561	1	8.42902512
	2016	male	all maturity st	old shell	91.4952871	1	14.2709371
	2017	male	all maturity st	new shell	23.1430068	1	21.2482215
	2017	male	all maturity st	old shell	84.0043912	1	14.5456766
all		male	immature	new shell	0	1	0
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all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.69410792	1	156.051676

all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.28307017	1	112.066802
all		female	mature	old shell	2.53704915	1	138.387295
all		male	immature	new shell	0	1	0
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all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.38383929	1	122.17783
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.22713452	1	106.642756
all		female	mature	old shell	2.37873508	1	121.655183
	1975	female	immature	new shell	24.187806	1	18.0821655
	1975	female	mature	new shell	102.627401	1	3.30950008
	1975	female	mature	old shell	11.2080786	1	22.2094633
	1976	female	immature	new shell	36.6025194	1	9.226263
	1976	female	mature	new shell	188.410221	1	2.52261914
	1976	female	mature	old shell	12.4412042	1	22.5813296
	1977	female	immature	new shell	26.7055724	1	11.3970016
	1977	female	mature	new shell	460.27922	1	2.29921555
	1977	female	mature	old shell	42.7031047	1	7.94512208
	1978	female	immature	new shell	25.4177409	1	10.3039076
	1978	female	mature	new shell	84.0633495	1	3.15457059
	1978	female	mature	old shell	87.0589885	1	3.73512272
	1979	female	immature	new shell	44.0255055	1	4.6225896
	1979	female	mature	new shell	25.2730574	1	14.2436929
	1979	female	mature	old shell	50.8491956	1	6.05605622
	1980	female	immature	new shell	141.074047	1	2.78231876
	1980	female	mature	new shell	9.14267627	1	24.7124697
	1980	female	mature	old shell	42.1283151	1	5.86754842
	1981	female	immature	new shell	28.6268756	1	15.1749313
	1981	female	mature	new shell	7.43118326	1	44.1964969
	1981	female	mature	old shell	163.437455	1	4.43882677
	1982	female	immature	new shell	40.9957051	1	17.1384152
	1982	female	mature	new shell	7.4696233	1	32.3810855
	1982	female	mature	old shell	22.2885535	1	11.9366244
	1983	female	immature	new shell	38.9660849	1	8.2647365
	1983	female	mature	new shell	57.9887884	1	6.5267349
	1983	female	mature	old shell	63.0022109	1	4.23581425
	1984	female	immature	new shell	29.5885375	1	6.78965793
	1984	female	mature	new shell	27.6746334	1	8.0617856
	1984	female	mature	old shell	209.288843	1	1.98312219

1985	female	immature	new shell	109.506181	1	4.66541584
1985	female	mature	new shell	13.6255704	1	34.9208688
1985	female	mature	old shell	225.855903	1	2.17955151
1986	female	immature	new shell	34.1939715	1	10.7777788
1986	female	mature	new shell	7.68268626	1	32.0301544
1986	female	mature	old shell	38.9204101	1	8.00786183
1987	female	immature	new shell	13.8014708	1	45.8990089
1987	female	mature	new shell	38.1373458	1	10.5018172
1987	female	mature	old shell	24.9192096	1	15.7192181
1988	female	immature	new shell	66.0765368	1	10.1337124
1988	female	mature	new shell	14.3994966	1	24.8009505
1988	female	mature	old shell	39.5429025	1	9.51992359
1989	female	immature	new shell	49.7467237	1	5.57669597
1989	female	mature	new shell	21.8649674	1	14.2460696
1989	female	mature	old shell	43.6034816	1	10.2757102
1990	female	immature	new shell	46.9041178	1	7.00016285
1990	female	mature	new shell	185.265849	1	1.93546668
1990	female	mature	old shell	35.44338	1	10.9495843
1991	female	immature	new shell	16.3571426	1	18.7305006
1991	female	mature	new shell	91.9502842	1	3.07405635
1991	female	mature	old shell	139.851616	1	3.33472675
1992	female	immature	new shell	26.2763627	1	15.4053927
1992	female	mature	new shell	50.067989	1	7.40561828
1992	female	mature	old shell	179.478085	1	2.28320771
1993	female	immature	new shell	50.3559507	1	8.56928765
1993	female	mature	new shell	22.7663844	1	11.8757469
1993	female	mature	old shell	256.739232	1	1.30587742
1994	female	immature	new shell	33.5333587	1	9.18061917
1994	female	mature	new shell	30.5895291	1	12.3352047
1994	female	mature	old shell	473.066388	1	1.0790363
1995	female	immature	new shell	63.3876295	1	7.63301222
1995	female	mature	new shell	28.2236897	1	13.888597
1995	female	mature	old shell	681.307612	1	0.52286177
1996	female	immature	new shell	68.729029	1	7.6863519
1996	female	mature	new shell	25.7117678	1	11.273376
1996	female	mature	old shell	291.372099	1	1.23796008
1997	female	immature	new shell	50.6842748	1	4.95495609
1997	female	mature	new shell	112.770661	1	3.20547262
1997	female	mature	old shell	223.400838	1	2.0510863
1998	female	immature	new shell	166.973722	1	2.99494598
1998	female	mature	new shell	59.0589916	1	6.40110517

1998	female	mature	old shell	272.855084	1	2.58930811
1999	female	immature	new shell	84.5642216	1	4.4982062
1999	female	mature	new shell	21.1073038	1	11.4061435
1999	female	mature	old shell	148.793756	1	2.55880933
2000	female	immature	new shell	104.45368	1	2.3087767
2000	female	mature	new shell	49.5863647	1	5.44613773
2000	female	mature	old shell	35.3049537	1	10.0120846
2001	female	immature	new shell	184.454629	1	1.91765842
2001	female	mature	new shell	133.547507	1	5.22227436
2001	female	mature	old shell	64.60634	1	4.5184709
2002	female	immature	new shell	52.1896885	1	5.31358615
2002	female	mature	new shell	44.0030111	1	7.77766038
2002	female	mature	old shell	96.3779176	1	2.90285089
2003	female	immature	new shell	74.9304469	1	4.22486888
2003	female	mature	new shell	82.6583108	1	3.90032701
2003	female	mature	old shell	45.1889836	1	9.45039736
2004	female	immature	new shell	43.8155836	1	8.31150644
2004	female	mature	new shell	222.606152	1	1.22655068
2004	female	mature	old shell	40.0548791	1	10.7614847
2005	female	immature	new shell	272.681436	1	1.97012167
2005	female	mature	new shell	128.306613	1	4.15100861
2005	female	mature	old shell	257.007957	1	2.95671363
2006	female	immature	new shell	54.642437	1	7.05687692
2006	female	mature	new shell	322.180783	1	1.98044231
2006	female	mature	old shell	115.328326	1	3.84007308
2007	female	immature	new shell	120.515057	1	3.32038021
2007	female	mature	new shell	63.5055385	1	6.41006508
2007	female	mature	old shell	777.998467	1	0.7458495
2008	female	immature	new shell	53.661068	1	8.80107441
2008	female	mature	new shell	99.5462308	1	4.78180511
2008	female	mature	old shell	460.039391	1	1.27926883
2009	female	immature	new shell	21.1622072	1	10.7641132
2009	female	mature	new shell	33.0274779	1	6.47338694
2009	female	mature	old shell	415.032345	1	0.91231535
2010	female	immature	new shell	70.6211772	1	4.91085939
2010	female	mature	new shell	185.111911	1	2.15060354
2010	female	mature	old shell	1027.9591	1	0.85780836
2011	female	immature	new shell	58.2670545	1	6.55444179
2011	female	mature	new shell	33.154074	1	7.11937158
2011	female	mature	old shell	285.531084	1	2.09919137
2012	female	immature	new shell	79.8916921	1	5.26241485

	2012	female	mature	new shell	42.1772714	1	5.72423755
	2012	female	mature	old shell	305.556053	1	1.30175284
	2013	female	immature	new shell	103.968044	1	4.46178467
	2013	female	mature	new shell	320.77711	1	0.99049074
	2013	female	mature	old shell	62.4024395	1	4.97208696
	2014	female	immature	new shell	16.2834686	1	24.4542746
	2014	female	mature	new shell	46.0788527	1	4.87828441
	2014	female	mature	old shell	88.3873682	1	4.02175815
	2015	female	immature	new shell	74.7480492	1	5.75564685
	2015	female	mature	new shell	20.2431616	1	12.0395072
	2015	female	mature	old shell	101.539758	1	3.3666589
	2016	female	immature	new shell	51.5779494	1	8.34818054
	2016	female	mature	new shell	73.9034898	1	7.69084144
	2016	female	mature	old shell	48.9000023	1	5.58391615
	2017	female	immature	new shell	14.3976708	1	14.0580568
	2017	female	mature	new shell	22.821613	1	19.4568805
	2017	female	mature	old shell	81.3386888	1	2.81295771
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.19705785	20	0.73780414
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	24.1253032	1	13.4525014
	1981	male	all maturity st	all shell condi	261.880864	1	1.88285413
	1982	male	all maturity st	all shell condi	157.688905	1	5.16873574
	1983	male	all maturity st	all shell condi	47.5166048	1	1.79715171
	1984	male	all maturity st	all shell condi	133.590626	1	1.56818563
	1988	male	all maturity st	all shell condi	45.498392	1	11.7332854
	1989	male	all maturity st	all shell condi	138.528276	1	1.6366886
	1990	male	all maturity st	all shell condi	47.979051	1	14.0930015
	1991	male	all maturity st	all shell condi	296.475427	1	4.61225801
	1992	male	all maturity st	all shell condi	59.6977115	1	21.5630615
	1993	male	all maturity st	all shell condi	109.58519	1	12.5719076
	1994	male	all maturity st	all shell condi	87.1522125	1	18.148465
	1995	male	all maturity st	all shell condi	98.1324074	1	1.10989569
	1996	male	all maturity st	all shell condi	117.47037	1	2.52959124
	2005	male	all maturity st	all shell condi	13.2925097	1	1.7004997
	2006	male	all maturity st	all shell condi	105.703333	1	1.59544692
	2007	male	all maturity st	all shell condi	299.784357	1	2.66987397
	2008	male	all maturity st	all shell condi	167.703723	1	1.71664931
	2009	male	all maturity st	all shell condi	56.7583658	1	1.72992694
	2013	male	all maturity st	all shell condi	441.07785	1	0.95421933

	2014	male	all maturity st	all shell condi	262.013162	1	4.08079557
	2015	male	all maturity st	all shell condi	175.040654	1	10.5288577
all		male	all maturity st	all shell condi	0.19546432	20	0.24834095
all		female	all maturity st	all shell condi	0.60367018	20	2.36871493
	1991	male	all maturity st	all shell condi	1823.88256	1	1.69175034
	1991	female	all maturity st	all shell condi	286.97544	1	1.44564138
	1992	male	all maturity st	all shell condi	107.729299	1	26.2836156
	1992	female	all maturity st	all shell condi	909.074257	1	0.35236973
	1993	male	all maturity st	all shell condi	240.392989	1	12.9692844
	1993	female	all maturity st	all shell condi	381.661304	1	0.64701425
	1994	male	all maturity st	all shell condi	916.851312	1	1.41406288
	1994	female	all maturity st	all shell condi	65.1282438	1	1.44891725
	1995	male	all maturity st	all shell condi	134.587607	1	2.47876383
	1995	female	all maturity st	all shell condi	98.4673716	1	1.03186193
	1996	male	all maturity st	all shell condi	23.5587431	1	1.91940138
	1996	female	all maturity st	all shell condi	173.055667	1	0.06802613
	2005	male	all maturity st	all shell condi	104.420066	1	17.104505
	2005	female	all maturity st	all shell condi	41.9827085	1	0.97001701
	2006	male	all maturity st	all shell condi	306.052859	1	7.31941557
	2006	female	all maturity st	all shell condi	312.072181	1	0.86324239
	2007	male	all maturity st	all shell condi	411.745877	1	7.94587371
	2007	female	all maturity st	all shell condi	337.227217	1	0.35964284
	2008	male	all maturity st	all shell condi	421.014532	1	8.85200373
	2008	female	all maturity st	all shell condi	44.1207604	1	0.33723608
	2009	male	all maturity st	all shell condi	131.572552	1	10.4797946
	2009	female	all maturity st	all shell condi	24.210976	1	0.1729017
	2013	male	all maturity st	all shell condi	1229.10362	1	3.00482892
	2013	female	all maturity st	all shell condi	62.1015122	1	0.53989363
	2014	male	all maturity st	all shell condi	275.935247	1	10.9127728
	2014	female	all maturity st	all shell condi	159.828815	1	0.25612557
	2015	male	all maturity st	all shell condi	153.867708	1	14.7739642
	2015	female	all maturity st	all shell condi	75.9583058	1	1.18636914
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.08348338	20	0.08711843
all		female	all maturity st	all shell condi	0.2964809	20	1.09876156
	1992	male	all maturity st	all shell condi	115.82096	1	3.51451902
	1992	female	all maturity st	all shell condi	18.4743122	1	1.00400381
	1993	male	all maturity st	all shell condi	198.378857	1	1.13181819
	1993	female	all maturity st	all shell condi	31.9479578	1	1.23818269
	1994	male	all maturity st	all shell condi	285.300102	1	0.38817806

1994	female	all maturity st	all shell condi	37.3665625	1	2.038008
1995	male	all maturity st	all shell condi	158.371298	1	0.44612014
1995	female	all maturity st	all shell condi	40.4034775	1	0.31736101
1996	male	all maturity st	all shell condi	41.0235959	1	4.44329181
1996	female	all maturity st	all shell condi	45.3900309	1	0.46920428
1997	male	all maturity st	all shell condi	534.104113	1	0.74157664
1997	female	all maturity st	all shell condi	114.936362	1	0.19968287
1998	male	all maturity st	all shell condi	478.289824	1	0.34552264
1998	female	all maturity st	all shell condi	20.0494587	1	0.34730836
1999	male	all maturity st	all shell condi	206.689754	1	0.29001231
1999	female	all maturity st	all shell condi	30.2405657	1	0.06751862
2000	male	all maturity st	all shell condi	269.957709	1	0.29431577
2000	female	all maturity st	all shell condi	33.6976022	1	0.08874183
2001	male	all maturity st	all shell condi	491.158829	1	0.34504494
2001	female	all maturity st	all shell condi	145.749724	1	0.05082347
2002	male	all maturity st	all shell condi	52.0095723	1	0.88949844
2002	female	all maturity st	all shell condi	43.1535912	1	0.07050465
2003	male	all maturity st	all shell condi	98.2170599	1	0.41091996
2003	female	all maturity st	all shell condi	45.2384464	1	0.09944214
2004	male	all maturity st	all shell condi	19.9284534	1	2.0871288
2004	female	all maturity st	all shell condi	31.0929346	1	0.85168307
2005	male	all maturity st	all shell condi	119.71732	1	4.47651162
2005	female	all maturity st	all shell condi	139.256297	1	0.1408013
2006	male	all maturity st	all shell condi	72.995335	1	6.06594529
2006	female	all maturity st	all shell condi	47.1591755	1	1.11828296
2007	male	all maturity st	all shell condi	323.325252	1	2.50858237
2007	female	all maturity st	all shell condi	46.6792738	1	0.41400974
2008	male	all maturity st	all shell condi	90.8818576	1	7.11595794
2008	female	all maturity st	all shell condi	14.8064815	1	2.25698313
2009	male	all maturity st	all shell condi	434.841411	1	2.11639022
2009	female	all maturity st	all shell condi	21.7365388	1	0.93878414
2010	male	all maturity st	all shell condi	302.156757	1	1.54210247
2010	female	all maturity st	all shell condi	78.95329	1	0.18897199
2011	male	all maturity st	all shell condi	178.450385	1	3.51410472
2011	female	all maturity st	all shell condi	56.923074	1	0.17989071
2012	male	all maturity st	all shell condi	153.051501	1	3.33426188
2012	female	all maturity st	all shell condi	50.4850491	1	0.16560332
2013	male	all maturity st	all shell condi	220.283909	1	2.77975763
2013	female	all maturity st	all shell condi	167.16321	1	0.09530904
2014	male	all maturity st	all shell condi	371.7921	1	3.44112568
2014	female	all maturity st	all shell condi	62.155113	1	0.45700459

	2015	male	all maturity st	all shell condi	434.06461	1	2.1888738
	2015	female	all maturity st	all shell condi	109.555667	1	0.09784966
	2016	male	all maturity st	all shell condi	349.267742	1	2.87942541
	2016	female	all maturity st	all shell condi	112.596191	1	0.09814026
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.06385959	20	0.08971704
	1973	male	all maturity st	all shell condi	478.398147	1	-2.3031479
	1973	female	all maturity st	all shell condi	205.262599	1	4.80583355
	1974	male	all maturity st	all shell condi	115.370864	1	1.15889725
	1974	female	all maturity st	all shell condi	216.849627	1	3.11699259
	1975	male	all maturity st	all shell condi	94.9564994	1	0.52237299
	1975	female	all maturity st	all shell condi	147.628012	1	2.13024178
	1976	male	all maturity st	all shell condi	72.1138321	1	-1.2728386
	1976	female	all maturity st	all shell condi	100.593703	1	22.4549443
	1977	male	all maturity st	all shell condi	135.353397	1	-0.4525982
	1977	female	all maturity st	all shell condi	243.660704	1	16.3539229
	1978	male	all maturity st	all shell condi	185.865333	1	-1.7976462
	1978	female	all maturity st	all shell condi	142.956418	1	25.608322
	1979	male	all maturity st	all shell condi	657.76942	1	-6.5944074
	1979	female	all maturity st	all shell condi	448.338271	1	14.5330628
	1980	male	all maturity st	all shell condi	471.444502	1	2.89178548
	1980	female	all maturity st	all shell condi	952.374645	1	3.01079223
	1981	male	all maturity st	all shell condi	380.020583	1	-4.7724824
	1981	female	all maturity st	all shell condi	61.8533208	1	14.3440301
	1982	male	all maturity st	all shell condi	314.10882	1	3.02587073
	1982	female	all maturity st	all shell condi	74.3379459	1	22.373863
	1983	male	all maturity st	all shell condi	454.051024	1	19.6311064
	1983	female	all maturity st	all shell condi	231.073856	1	-5.1097456
	1984	male	all maturity st	all shell condi	518.869226	1	26.5012116
	1984	female	all maturity st	all shell condi	416.204051	1	-12.455118
	1985	male	all maturity st	all shell condi	254.096832	1	19.0033595
	1985	female	all maturity st	all shell condi	324.065653	1	-3.7574217
	1986	male	all maturity st	all shell condi	237.430462	1	14.5196191
	1986	female	all maturity st	all shell condi	116.79699	1	3.57695086
	1987	male	all maturity st	all shell condi	208.984857	1	25.4085075
	1987	female	all maturity st	all shell condi	654.598731	1	-1.0640113
	1988	male	all maturity st	all shell condi	262.299183	1	8.32713969
	1988	female	all maturity st	all shell condi	203.096091	1	8.0571473
	1989	male	all maturity st	all shell condi	354.118877	1	6.85562803
	1989	female	all maturity st	all shell condi	841.068072	1	10.3646612
	1990	male	all maturity st	all shell condi	740.466392	1	18.5835574

1990	female	all maturity st	all shell condi	268.563967	1	-8.0492081
1991	male	all maturity st	all shell condi	284.035589	1	1.16385648
1991	female	all maturity st	all shell condi	175.581069	1	7.52071588
1992	male	all maturity st	all shell condi	151.80985	1	5.71553421
1992	female	all maturity st	all shell condi	62.2410744	1	3.62024263
1993	male	all maturity st	all shell condi	69.8735352	1	4.03993658
1993	female	all maturity st	all shell condi	112.85608	1	-0.4771786
1994	male	all maturity st	all shell condi	260.155921	1	2.60718726
1994	female	all maturity st	all shell condi	328.732465	1	1.24225204
1995	male	all maturity st	all shell condi	58.3249199	1	12.6254828
1995	female	all maturity st	all shell condi	60.3304765	1	4.60943507
1996	male	all maturity st	all shell condi	178.733074	1	13.4968145
1996	female	all maturity st	all shell condi	409.08333	1	-4.6736561
1997	male	all maturity st	all shell condi	57.2751218	1	20.735632
1997	female	all maturity st	all shell condi	164.065744	1	5.52155989
1998	male	all maturity st	all shell condi	154.284341	1	8.38890952
1998	female	all maturity st	all shell condi	262.918898	1	7.2261578
1999	male	all maturity st	all shell condi	347.036053	1	6.41710403
1999	female	all maturity st	all shell condi	866.005306	1	2.31309208
2000	male	all maturity st	all shell condi	342.012025	1	6.88071949
2000	female	all maturity st	all shell condi	553.509384	1	0.40056077
2001	male	all maturity st	all shell condi	579.064786	1	9.68475818
2001	female	all maturity st	all shell condi	1199.25864	1	-3.8050978
2002	male	all maturity st	all shell condi	467.807791	1	9.94598974
2002	female	all maturity st	all shell condi	872.561789	1	-0.4861873
2003	male	all maturity st	all shell condi	189.348595	1	4.98080246
2003	female	all maturity st	all shell condi	305.425448	1	4.75815588
2004	male	all maturity st	all shell condi	106.131689	1	-1.4310928
2004	female	all maturity st	all shell condi	31.5782144	1	39.6588909
2005	male	all maturity st	all shell condi	1081.85127	1	4.64915895
2005	female	all maturity st	all shell condi	2062.72627	1	0.73658805
2006	male	all maturity st	all shell condi	202.951107	1	12.2537116
2006	female	all maturity st	all shell condi	182.407496	1	2.38595569
2007	male	all maturity st	all shell condi	157.681329	1	11.4849233
2007	female	all maturity st	all shell condi	104.20844	1	8.61281777
2008	male	all maturity st	all shell condi	137.160971	1	28.9581423
2008	female	all maturity st	all shell condi	215.040939	1	-8.5764454
2009	male	all maturity st	all shell condi	285.619184	1	14.0468083
2009	female	all maturity st	all shell condi	605.939335	1	-6.7196216
2010	male	all maturity st	all shell condi	414.187997	1	7.78352272
2010	female	all maturity st	all shell condi	1373.27154	1	-2.8005974

	2011	male	all maturity st	all shell condi	89.8254204	1	11.6184977
	2011	female	all maturity st	all shell condi	79.626988	1	18.5442522
	2012	male	all maturity st	all shell condi	297.011609	1	-5.4849701
	2012	female	all maturity st	all shell condi	145.955604	1	12.1587739
	2013	male	all maturity st	all shell condi	196.549429	1	4.33755531
	2013	female	all maturity st	all shell condi	684.784335	1	9.26567403
	2014	male	all maturity st	all shell condi	726.631531	1	10.1500979
	2014	female	all maturity st	all shell condi	817.472085	1	-5.2774716
	2015	male	all maturity st	all shell condi	173.769411	1	17.6561418
	2015	female	all maturity st	all shell condi	295.783723	1	2.14368647
	2016	male	all maturity st	all shell condi	174.59156	1	-1.9997004
	2016	female	all maturity st	all shell condi	50.6931667	1	26.5760482
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.17696532	20	0.36014235
all		female	all maturity st	all shell condi	0.00965473	20	0.00107196
	1992	male	all maturity st	all shell condi	42.1130347	1	2.17020902
	1992	female	all maturity st	all shell condi	75.8945247	1	0.12923496
	1993	male	all maturity st	all shell condi	64.9948976	1	5.08318867
	1993	female	all maturity st	all shell condi	329.690316	1	0.23930131
	1996	male	all maturity st	all shell condi	25.7422771	1	0.24339874
	1996	female	all maturity st	all shell condi	3.47052963	1	0.03176728
	1997	male	all maturity st	all shell condi	26.2185833	1	1.88890984
	1997	female	all maturity st	all shell condi	25.1453022	1	0.0617683
	1998	male	all maturity st	all shell condi	66.1750746	1	0.38080667
	1998	female	all maturity st	all shell condi	21.3153807	1	0.07023027
	1999	male	all maturity st	all shell condi	51.3907545	1	0.30841424
	1999	female	all maturity st	all shell condi	18.425676	1	0.02674596
	2000	male	all maturity st	all shell condi	139.733797	1	0.78902446
	2000	female	all maturity st	all shell condi	42.3590982	1	0.06166214
	2001	male	all maturity st	all shell condi	122.863228	1	0.33651231
	2001	female	all maturity st	all shell condi	51.88329	1	0.03481191
	2002	male	all maturity st	all shell condi	114.600592	1	0.5084831
	2002	female	all maturity st	all shell condi	39.1556214	1	0.04705425
	2003	male	all maturity st	all shell condi	90.8085754	1	0.53255259
	2003	female	all maturity st	all shell condi	52.2923097	1	0.09432813
	2004	male	all maturity st	all shell condi	44.4395217	1	0.67415109
	2004	female	all maturity st	all shell condi	21.6742048	1	0.05589258
	2005	male	all maturity st	all shell condi	48.0786041	1	1.75099852
	2005	female	all maturity st	all shell condi	13.8220131	1	0.16108016
	2006	male	all maturity st	all shell condi	25.5646062	1	2.06921255

2006	female	all maturity st	all shell condi	26.6254288	1	0.25114143
2007	male	all maturity st	all shell condi	91.1270681	1	1.43642494
2007	female	all maturity st	all shell condi	103.522533	1	0.08801569
2008	male	all maturity st	all shell condi	60.7876655	1	3.55531153
2008	female	all maturity st	all shell condi	107.771374	1	0.11111746
2009	male	all maturity st	all shell condi	26.3887138	1	5.8014971
2009	female	all maturity st	all shell condi	125.093602	1	0.04695858
2010	male	all maturity st	all shell condi	55.9946509	1	0.94059295
2010	female	all maturity st	all shell condi	36.2329432	1	0.04470036
2011	male	all maturity st	all shell condi	78.4603911	1	0.39449546
2011	female	all maturity st	all shell condi	5.51976147	1	0.02117519
2012	male	all maturity st	all shell condi	78.8886285	1	0.71374926
2012	female	all maturity st	all shell condi	6.64145466	1	0.22617471
2013	male	all maturity st	all shell condi	49.2837218	1	2.52394238
2013	female	all maturity st	all shell condi	9.3421082	1	0.18381299
2014	male	all maturity st	all shell condi	112.318442	1	1.90496139
2014	female	all maturity st	all shell condi	21.2242316	1	0.07235567
2015	male	all maturity st	all shell condi	161.144993	1	1.16056476
2015	female	all maturity st	all shell condi	97.9167092	1	0.07602095
2016	male	all maturity st	all shell condi	24.0457142	1	8.044637
2016	female	all maturity st	all shell condi	20.1755518	1	0.50948825
2015	male	immature	new shell	0.40934501	5	81.1996625
2016	male	immature	new shell	0.40934501	5	96.8139707
2015	female	immature	new shell	0.29497366	5	69.8897768
2016	female	immature	new shell	0.29497366	5	62.20851
1994	male	immature	new shell	0.47208617	0	11.3498093
1995	male	immature	new shell	0.47208617	0	27.9899619
1996	male	immature	new shell	0.47208617	0	308.933919
1997	male	immature	new shell	0.47208617	0	432.00642
1998	male	immature	new shell	0.47208617	0	463.969209
1999	male	immature	new shell	0.47208617	0	433.723842
2000	male	immature	new shell	0.47208617	0	661.675893
2001	male	immature	new shell	0.47208617	0	739.510836
2002	male	immature	new shell	0.47208617	0	733.9056
2003	male	immature	new shell	0.47208617	0	262.441022
2004	male	immature	new shell	0.47208617	0	165.625418
2005	male	immature	new shell	0.47208617	0	92.4163363
2006	male	immature	new shell	0.47208617	0	11.6040878
2011	male	immature	new shell	0.47208617	0	2.04129658
2012	male	immature	new shell	0.47208617	0	2.72311097
1994	female	immature	new shell	0.36027952	0	13.6075134

	1995	female	immature	new shell	0.36027952	0	12.7190186
	1996	female	immature	new shell	0.36027952	0	205.266829
	1997	female	immature	new shell	0.36027952	0	155.586498
	1998	female	immature	new shell	0.36027952	0	224.158785
	1999	female	immature	new shell	0.36027952	0	267.431606
	2000	female	immature	new shell	0.36027952	0	510.952663
	2001	female	immature	new shell	0.36027952	0	515.960432
	2002	female	immature	new shell	0.36027952	0	320.304353
	2003	female	immature	new shell	0.36027952	0	86.3095823
	2004	female	immature	new shell	0.36027952	0	85.2803241
	2005	female	immature	new shell	0.36027952	0	23.5721464
	2006	female	immature	new shell	0.36027952	0	7.16153118
	2012	female	immature	new shell	0.36027952	0	2.29121194
	1990	male		new shell	1.68446569	5	41.4177885
	1991	male		new shell	1.68446569	5	59.4386087
	1992	male		new shell	1.68446569	5	17.5051529
	1993	male		new shell	1.68446569	5	20.8642642
	1994	male		new shell	1.68446569	5	18.5714339
	1995	male		new shell	1.68446569	5	11.3759496
	1997	male		new shell	1.68446569	5	11.8103705
	1998	male		new shell	1.68446569	5	19.3176966
	1999	male		new shell	1.68446569	5	14.594706
	2000	male		new shell	1.68446569	5	18.8078282
	2001	male		new shell	1.68446569	5	23.9555645
	2002	male		new shell	1.68446569	5	15.3283708
	2003	male		new shell	1.68446569	5	9.53022812
	2004	male		new shell	1.68446569	5	16.7287472
	2005	male		new shell	1.68446569	5	53.0786826
	2008	male		new shell	1.68446569	5	36.3772621
	2010	male		new shell	1.68446569	5	45.4000788
	2012	male		new shell	1.68446569	5	17.5320979
	2014	male		new shell	1.68446569	5	16.1198436
	2016	male		new shell	1.68446569	5	37.5131677
	2017	male		new shell	1.68446569	5	12.4111939
all		male	immature	new shell	0.09975135	1	1078.96429
all		male	mature	new shell	0.09975135	1	1078.96429
all		male	immature	old shell	0.09975135	1	1078.96429
all		male	mature	old shell	0.09975135	1	1078.96429
all		female	immature	new shell	0.09975135	1	1078.96429
all		female	mature	new shell	0.09975135	1	1078.96429
all		female	immature	old shell	0.09975135	1	1078.96429

all		female	mature	old shell	0.09975135	1	1078.96429
all		male	immature	new shell	0.09975135	1	544.288759
all		male	mature	new shell	0.09975135	1	544.288759
all		male	immature	old shell	0.09975135	1	544.288759
all		male	mature	old shell	0.09975135	1	544.288759
all		female	immature	new shell	0.09975135	1	544.288759
all		female	mature	new shell	0.09975135	1	544.288759
all		female	immature	old shell	0.09975135	1	544.288759
all		female	mature	old shell	0.09975135	1	544.288759
all		male	immature	all shell condi	2.87727586	0	177.992402
all		male	mature	all shell condi	2.1248027	0	97.0679101
all		female	immature	all shell condi	2.746886	0	162.225728
all		female	mature	all shell condi	2.33600793	0	117.32406
all		male	mature	all shell condi	1.94374549	0	81.2301502
all		female	mature	all shell condi	2.2177054	0	105.74167
	1975	male	immature	all shell condi	681.249431	0	5.68365459
	1975	male	mature	all shell condi	48.5573061	0	70.3416437
	1975	female	immature	all shell condi	188.58859	0	0.79987704
	1975	female	mature	all shell condi	74.2454718	0	-11.966333
	1976	male	immature	all shell condi	209.960737	0	18.7378753
	1976	male	mature	all shell condi	151.24351	0	13.6724959
	1976	female	immature	all shell condi	116.460368	0	16.2067792
	1976	female	mature	all shell condi	96.3512471	0	-9.7142192
	1977	male	immature	all shell condi	248.223879	0	7.24961905
	1977	male	mature	all shell condi	185.063146	0	-1.3202226
	1977	female	immature	all shell condi	38.8698913	0	41.1465084
	1977	female	mature	all shell condi	182.299137	0	-9.0613343
	1978	male	immature	all shell condi	280.488639	0	4.38633603
	1978	male	mature	all shell condi	223.588796	0	8.03496818
	1978	female	immature	all shell condi	69.4545317	0	19.6220858
	1978	female	mature	all shell condi	382.087737	0	-6.7184339
	1979	male	immature	all shell condi	248.56388	0	12.2802406
	1979	male	mature	all shell condi	306.772829	0	-3.5510833
	1979	female	immature	all shell condi	321.531974	0	-5.8117161
	1979	female	mature	all shell condi	110.052921	0	17.1470558
	1980	male	immature	all shell condi	138.480686	0	24.104084
	1980	male	mature	all shell condi	221.310607	0	-9.7423549
	1980	female	immature	all shell condi	973.015314	0	-1.7020833
	1980	female	mature	all shell condi	63.7387792	0	12.4073797
	1981	male	immature	all shell condi	457.315945	0	8.01975261
	1981	male	mature	all shell condi	902.300154	0	-8.789174

1981	female	immature	all shell condi	130.28159	0	-6.2429743
1981	female	mature	all shell condi	31.518884	0	49.1526293
1982	male	immature	all shell condi	239.74805	0	-11.429316
1982	male	mature	all shell condi	230.780715	0	-16.000261
1982	female	immature	all shell condi	132.914144	0	-7.1112858
1982	female	mature	all shell condi	6.47606967	0	143.908631
1983	male	immature	all shell condi	110.602491	0	14.0024782
1983	male	mature	all shell condi	384.836733	0	-8.952177
1983	female	immature	all shell condi	129.048475	0	11.1386636
1983	female	mature	all shell condi	105.355017	0	19.011325
1984	male	immature	all shell condi	350.922054	0	-8.6069795
1984	male	mature	all shell condi	348.028841	0	10.0350268
1984	female	immature	all shell condi	120.477706	0	-7.1342967
1984	female	mature	all shell condi	62.8384957	0	32.408489
1985	male	immature	all shell condi	210.729321	0	-14.797869
1985	male	mature	all shell condi	94.7754564	0	31.9651208
1985	female	immature	all shell condi	78.8001595	0	-21.299654
1985	female	mature	all shell condi	41.7825221	0	44.9345945
1986	male	immature	all shell condi	233.341556	0	12.139614
1986	male	mature	all shell condi	84.3429526	0	27.0778816
1986	female	immature	all shell condi	64.4628122	0	-9.9303471
1986	female	mature	all shell condi	236.579463	0	4.19834378
1987	male	immature	all shell condi	114.77188	0	11.231458
1987	male	mature	all shell condi	715.808415	0	7.82314577
1987	female	immature	all shell condi	37.2926594	0	53.2568293
1987	female	mature	all shell condi	350.023846	0	-2.7753524
1988	male	immature	all shell condi	334.998715	0	2.44774701
1988	male	mature	all shell condi	343.5834	0	13.9474538
1988	female	immature	all shell condi	140.933973	0	-11.540578
1988	female	mature	all shell condi	75.9783667	0	24.0650829
1989	male	immature	all shell condi	158.026304	0	8.99072876
1989	male	mature	all shell condi	440.22561	0	6.71153632
1989	female	immature	all shell condi	123.435324	0	10.4378966
1989	female	mature	all shell condi	245.024544	0	-1.9984443
1990	male	immature	all shell condi	481.330009	0	-1.4252021
1990	male	mature	all shell condi	449.928545	0	-2.6076204
1990	female	immature	all shell condi	299.207179	0	3.64118665
1990	female	mature	all shell condi	218.532129	0	16.8293964
1991	male	immature	all shell condi	273.20765	0	6.19652495
1991	male	mature	all shell condi	529.228239	0	-7.8235714
1991	female	immature	all shell condi	149.667686	0	6.28203988

1991	female	mature	all shell condi	432.904769	0	14.6212145
1992	male	immature	all shell condi	579.148279	0	8.27875519
1992	male	mature	all shell condi	285.717881	0	3.83610888
1992	female	immature	all shell condi	274.145631	0	2.3429967
1992	female	mature	all shell condi	3359.40178	0	2.1507868
1993	male	immature	all shell condi	499.332537	0	14.1329555
1993	male	mature	all shell condi	332.276247	0	8.60279401
1993	female	immature	all shell condi	507.001115	0	2.20881105
1993	female	mature	all shell condi	382.799091	0	-11.333609
1994	male	immature	all shell condi	290.790937	0	9.62173758
1994	male	mature	all shell condi	480.935847	0	1.44048721
1994	female	immature	all shell condi	102.662332	0	15.5845166
1994	female	mature	all shell condi	631.761176	0	-9.5595778
1995	male	immature	all shell condi	341.035943	0	-5.6137451
1995	male	mature	all shell condi	448.233866	0	5.36804245
1995	female	immature	all shell condi	215.024119	0	-6.8035124
1995	female	mature	all shell condi	104.102889	0	27.8034606
1996	male	immature	all shell condi	565.434455	0	-4.3848475
1996	male	mature	all shell condi	410.968235	0	10.110546
1996	female	immature	all shell condi	208.548532	0	-6.6176541
1996	female	mature	all shell condi	202.374038	0	16.9141368
1997	male	immature	all shell condi	234.185145	0	7.57832104
1997	male	mature	all shell condi	2207.35806	0	-2.9418884
1997	female	immature	all shell condi	106.908073	0	15.5318238
1997	female	mature	all shell condi	967.219797	0	-5.4537586
1998	male	immature	all shell condi	106.667395	0	22.9131849
1998	male	mature	all shell condi	1940.85677	0	-3.1456884
1998	female	immature	all shell condi	260.736539	0	15.9508957
1998	female	mature	all shell condi	180.331898	0	-10.158244
1999	male	immature	all shell condi	136.478583	0	16.7270532
1999	male	mature	all shell condi	1248.28031	0	1.50794737
1999	female	immature	all shell condi	237.737967	0	3.89184686
1999	female	mature	all shell condi	548.180943	0	-4.2684757
2000	male	immature	all shell condi	144.553818	0	11.7333304
2000	male	mature	all shell condi	1163.93865	0	4.59609117
2000	female	immature	all shell condi	378.331372	0	-1.3684646
2000	female	mature	all shell condi	418.458792	0	-1.2652333
2001	male	immature	all shell condi	145.227541	0	19.614463
2001	male	mature	all shell condi	727.700727	0	-5.9747829
2001	female	immature	all shell condi	304.586902	0	11.1645289
2001	female	mature	all shell condi	379.554225	0	-5.2847767

2002	male	immature	all shell condi	111.646136	0	15.5041617
2002	male	mature	all shell condi	1320.71682	0	-3.9988419
2002	female	immature	all shell condi	113.107364	0	15.7352739
2002	female	mature	all shell condi	875.273077	0	-4.0411636
2003	male	immature	all shell condi	311.217435	0	10.4868613
2003	male	mature	all shell condi	2357.6048	0	-0.3079582
2003	female	immature	all shell condi	251.674165	0	-6.0485419
2003	female	mature	all shell condi	232.613709	0	10.1672573
2004	male	immature	all shell condi	116.879391	0	13.1376576
2004	male	mature	all shell condi	654.14849	0	6.79479662
2004	female	immature	all shell condi	104.373138	0	15.4857112
2004	female	mature	all shell condi	293.885362	0	-4.9458839
2005	male	immature	all shell condi	228.354932	0	8.23203177
2005	male	mature	all shell condi	978.761141	0	-6.7593931
2005	female	immature	all shell condi	203.562541	0	20.0483012
2005	female	mature	all shell condi	1352.13031	0	-3.1323277
2006	male	immature	all shell condi	330.766856	0	13.7824245
2006	male	mature	all shell condi	981.597254	0	-2.2132215
2006	female	immature	all shell condi	209.996804	0	11.7735062
2006	female	mature	all shell condi	609.234744	0	-5.7503139
2007	male	immature	all shell condi	181.85197	0	28.9279233
2007	male	mature	all shell condi	740.71522	0	1.46642916
2007	female	immature	all shell condi	733.486362	0	0.11233443
2007	female	mature	all shell condi	226.065136	0	-10.216547
2008	male	immature	all shell condi	579.237682	0	14.25091
2008	male	mature	all shell condi	1032.91381	0	-0.3777671
2008	female	immature	all shell condi	364.220441	0	5.75122432
2008	female	mature	all shell condi	705.147653	0	-6.1494143
2009	male	immature	all shell condi	179.403908	0	7.32683637
2009	male	mature	all shell condi	553.052441	0	7.55414902
2009	female	immature	all shell condi	70.0042633	0	-0.8717451
2009	female	mature	all shell condi	698.434589	0	5.2429343
2010	male	immature	all shell condi	335.28734	0	6.1217051
2010	male	mature	all shell condi	453.494274	0	11.1044134
2010	female	immature	all shell condi	169.219393	0	-4.1845647
2010	female	mature	all shell condi	8918.97986	0	-1.3394735
2011	male	immature	all shell condi	252.494031	0	15.5247879
2011	male	mature	all shell condi	1885.81167	0	-0.8175927
2011	female	immature	all shell condi	182.290979	0	9.41250236
2011	female	mature	all shell condi	336.905131	0	-5.5656714
2012	male	immature	all shell condi	303.880902	0	18.0352442

	2012	male	mature	all shell condi	1492.28522	0	-0.4884437
	2012	female	immature	all shell condi	299.283355	0	-0.6217598
	2012	female	mature	all shell condi	660.826507	0	-2.6554384
	2013	male	immature	all shell condi	785.015606	0	10.5441616
	2013	male	mature	all shell condi	334.54269	0	4.84588529
	2013	female	immature	all shell condi	515.703728	0	-1.1341498
	2013	female	mature	all shell condi	1898.05455	0	-1.0236829
	2014	male	immature	all shell condi	270.624824	0	17.9777724
	2014	male	mature	all shell condi	541.021492	0	1.57020895
	2014	female	immature	all shell condi	84.7758417	0	17.1115992
	2014	female	mature	all shell condi	491.011277	0	-7.4861223
	2015	male	immature	all shell condi	722.261713	0	8.48194384
	2015	male	mature	all shell condi	514.877485	0	2.73784416
	2015	female	immature	all shell condi	559.253213	0	2.08815955
	2015	female	mature	all shell condi	313.440874	0	2.20487885
	2016	male	immature	all shell condi	492.179372	0	7.67325823
	2016	male	mature	all shell condi	162.575271	0	23.4597363
	2016	female	immature	all shell condi	396.867335	0	-1.7366547
	2016	female	mature	all shell condi	297.844864	0	-5.058768
	2017	male	immature	all shell condi	88.4952445	0	4.94851735
	2017	male	mature	all shell condi	161.233966	0	22.3665336
	2017	female	immature	all shell condi	66.2052957	0	6.71106761
	2017	female	mature	all shell condi	498.024953	0	1.63911511
all		male	all maturity st	new shell	2.8485371	1	174.454517
all		male	all maturity st	old shell	4.1080127	1	362.82902
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
all		male	all maturity st	new shell	2.40613787	1	124.474239
all		male	all maturity st	old shell	3.11187109	1	208.200446
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
	1975	male	all maturity st	new shell	42.2606054	1	41.4512288
	1975	male	all maturity st	old shell	20.640775	1	54.1122451
	1976	male	all maturity st	new shell	85.6232454	1	18.8334
	1976	male	all maturity st	old shell	15.6191321	1	79.5261821
	1977	male	all maturity st	new shell	111.621876	1	13.4726509
	1977	male	all maturity st	old shell	45.5031011	1	31.6505139
	1978	male	all maturity st	new shell	90.9929348	1	13.841926
	1978	male	all maturity st	old shell	34.4963987	1	39.1013717
	1979	male	all maturity st	new shell	174.850178	1	5.43546102
	1979	male	all maturity st	old shell	22.1919465	1	59.9119802

1980	male	all maturity st	new shell	132.678313	1 5.86953318
1980	male	all maturity st	old shell	23.9390239	1 60.9809653
1981	male	all maturity st	new shell	116.053948	1 10.5827104
1981	male	all maturity st	old shell	19.1754883	1 62.3443583
1982	male	all maturity st	new shell	66.0572186	1 19.2293209
1982	male	all maturity st	old shell	300.042215	1 5.36912101
1983	male	all maturity st	new shell	42.4469851	1 24.2425896
1983	male	all maturity st	old shell	89.2119648	1 15.2577813
1984	male	all maturity st	new shell	105.98748	1 6.30272366
1984	male	all maturity st	old shell	61.1676829	1 19.9043738
1985	male	all maturity st	new shell	102.874354	1 12.3084137
1985	male	all maturity st	old shell	53.3808775	1 26.2266279
1986	male	all maturity st	new shell	63.3183949	1 15.7895779
1986	male	all maturity st	old shell	88.4849578	1 15.8158063
1987	male	all maturity st	new shell	45.8507287	1 16.9673544
1987	male	all maturity st	old shell	118.468991	1 16.0801307
1988	male	all maturity st	new shell	91.8439647	1 12.0617787
1988	male	all maturity st	old shell	112.136916	1 17.1124003
1989	male	all maturity st	new shell	80.0071886	1 13.724816
1989	male	all maturity st	old shell	223.690137	1 11.3042636
1990	male	all maturity st	new shell	206.827173	1 6.06234614
1990	male	all maturity st	old shell	110.46343	1 13.5328836
1991	male	all maturity st	new shell	152.116736	1 8.96011871
1991	male	all maturity st	old shell	98.2841976	1 17.7024737
1992	male	all maturity st	new shell	191.009966	1 7.57823553
1992	male	all maturity st	old shell	67.1299213	1 18.0197762
1993	male	all maturity st	new shell	261.95003	1 5.08183932
1993	male	all maturity st	old shell	119.214686	1 9.04191662
1994	male	all maturity st	new shell	155.039915	1 7.12058473
1994	male	all maturity st	old shell	99.9340291	1 11.3114484
1995	male	all maturity st	new shell	94.6926813	1 11.4397327
1995	male	all maturity st	old shell	91.3719144	1 14.5887519
1996	male	all maturity st	new shell	150.76752	1 10.2299104
1996	male	all maturity st	old shell	77.7710029	1 14.4718569
1997	male	all maturity st	new shell	104.805243	1 8.99911516
1997	male	all maturity st	old shell	201.148386	1 11.4888865
1998	male	all maturity st	new shell	71.8757827	1 13.4282486
1998	male	all maturity st	old shell	267.677171	1 7.7028332
1999	male	all maturity st	new shell	86.2604042	1 9.664794
1999	male	all maturity st	old shell	105.429088	1 12.6578068
2000	male	all maturity st	new shell	98.3316158	1 6.44152157

	2000	male	all maturity st	old shell	123.946747	1	12.853109
	2001	male	all maturity st	new shell	87.318981	1	11.6766725
	2001	male	all maturity st	old shell	151.256212	1	13.1574172
	2002	male	all maturity st	new shell	47.3835253	1	17.6325396
	2002	male	all maturity st	old shell	331.231407	1	7.88244756
	2003	male	all maturity st	new shell	144.367919	1	8.27218364
	2003	male	all maturity st	old shell	188.275894	1	11.2418538
	2004	male	all maturity st	new shell	59.5817797	1	15.8615961
	2004	male	all maturity st	old shell	72.5449461	1	26.5700106
	2005	male	all maturity st	new shell	97.6227657	1	11.2805923
	2005	male	all maturity st	old shell	296.246087	1	9.43226563
	2006	male	all maturity st	new shell	128.695661	1	10.9442241
	2006	male	all maturity st	old shell	228.07629	1	11.4284118
	2007	male	all maturity st	new shell	211.83742	1	8.28227937
	2007	male	all maturity st	old shell	220.256277	1	14.8273722
	2008	male	all maturity st	new shell	524.431264	1	4.18918274
	2008	male	all maturity st	old shell	138.114644	1	13.9840867
	2009	male	all maturity st	new shell	60.1881831	1	11.9506734
	2009	male	all maturity st	old shell	129.359989	1	10.8391288
	2010	male	all maturity st	new shell	79.6531115	1	11.9158862
	2010	male	all maturity st	old shell	181.728138	1	8.91233957
	2011	male	all maturity st	new shell	152.106373	1	5.42006485
	2011	male	all maturity st	old shell	132.743702	1	12.9236163
	2012	male	all maturity st	new shell	271.249898	1	3.22050342
	2012	male	all maturity st	old shell	106.738295	1	13.0781614
	2013	male	all maturity st	new shell	180.65446	1	6.89305387
	2013	male	all maturity st	old shell	178.045795	1	12.621352
	2014	male	all maturity st	new shell	184.288559	1	9.89831649
	2014	male	all maturity st	old shell	114.505017	1	11.7760471
	2015	male	all maturity st	new shell	360.023396	1	6.66131365
	2015	male	all maturity st	old shell	142.966887	1	10.1136466
	2016	male	all maturity st	new shell	219.28339	1	8.39643858
	2016	male	all maturity st	old shell	87.3125004	1	14.9424699
	2017	male	all maturity st	new shell	23.5026169	1	20.8146808
	2017	male	all maturity st	old shell	79.8247307	1	15.2234363
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.746886	1	162.225728
all		female	immature	old shell	0	1	0

all		female	mature	new shell	2.16205162	1	100.501045
all		female	mature	old shell	2.81999346	1	170.975807
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.47649637	1	131.860236
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.123564	1	96.954767
all		female	mature	old shell	2.61116211	1	146.590603
	1975	female	immature	new shell	21.9316358	1	19.8651177
	1975	female	mature	new shell	57.4538264	1	5.2950999
	1975	female	mature	old shell	8.74227932	1	29.4218836
	1976	female	immature	new shell	29.7210452	1	12.0917082
	1976	female	mature	new shell	78.7217977	1	4.34583646
	1976	female	mature	old shell	9.69189033	1	29.3103556
	1977	female	immature	new shell	35.7904687	1	8.30107917
	1977	female	mature	new shell	206.180464	1	3.49888099
	1977	female	mature	old shell	27.6616427	1	11.7012749
	1978	female	immature	new shell	24.3354134	1	10.5377191
	1978	female	mature	new shell	119.004842	1	2.28834769
	1978	female	mature	old shell	48.665955	1	6.23057126
	1979	female	immature	new shell	47.5238197	1	4.32339769
	1979	female	mature	new shell	32.404787	1	11.2481411
	1979	female	mature	old shell	32.9820659	1	9.01472678
	1980	female	immature	new shell	124.679372	1	2.58485513
	1980	female	mature	new shell	11.5815889	1	18.3087402
	1980	female	mature	old shell	29.8980192	1	8.77673399
	1981	female	immature	new shell	31.4607572	1	13.8859926
	1981	female	mature	new shell	9.48029395	1	33.4036008
	1981	female	mature	old shell	123.879811	1	4.13593934
	1982	female	immature	new shell	42.631406	1	17.3615593
	1982	female	mature	new shell	7.79773567	1	30.6187768
	1982	female	mature	old shell	20.914624	1	12.9181458
	1983	female	immature	new shell	37.8294564	1	8.35924669
	1983	female	mature	new shell	57.4889126	1	6.72188656
	1983	female	mature	old shell	60.1755339	1	4.49124028
	1984	female	immature	new shell	29.3735418	1	6.79251341
	1984	female	mature	new shell	27.6251241	1	8.04881495
	1984	female	mature	old shell	206.926604	1	2.01335336
	1985	female	immature	new shell	106.993158	1	4.71273375

1985	female	mature	new shell	13.3946304	1	35.1895193
1985	female	mature	old shell	232.62169	1	2.14294611
1986	female	immature	new shell	32.9525359	1	11.1244993
1986	female	mature	new shell	7.76794352	1	31.8096157
1986	female	mature	old shell	39.2239561	1	7.90866214
1987	female	immature	new shell	13.9897818	1	45.5119101
1987	female	mature	new shell	37.6331856	1	10.5628099
1987	female	mature	old shell	25.2572382	1	15.520037
1988	female	immature	new shell	96.5144139	1	7.9380437
1988	female	mature	new shell	14.3009181	1	24.9247825
1988	female	mature	old shell	39.2526868	1	9.57947052
1989	female	immature	new shell	37.9798486	1	6.98251671
1989	female	mature	new shell	22.5214233	1	13.767631
1989	female	mature	old shell	42.9727591	1	10.3575054
1990	female	immature	new shell	58.8038371	1	5.85569513
1990	female	mature	new shell	157.145754	1	2.10260888
1990	female	mature	old shell	36.135097	1	10.7234306
1991	female	immature	new shell	20.5520015	1	15.1500911
1991	female	mature	new shell	74.0131208	1	4.0274024
1991	female	mature	old shell	171.143556	1	2.80757031
1992	female	immature	new shell	25.3125151	1	15.5053862
1992	female	mature	new shell	59.3039354	1	6.34476064
1992	female	mature	old shell	243.798433	1	1.80429394
1993	female	immature	new shell	46.2083224	1	9.43714381
1993	female	mature	new shell	29.0352208	1	9.26708362
1993	female	mature	old shell	255.107495	1	1.20978657
1994	female	immature	new shell	32.5604022	1	9.85447112
1994	female	mature	new shell	29.4899352	1	12.8441189
1994	female	mature	old shell	466.341925	1	1.07984518
1995	female	immature	new shell	68.4829405	1	7.06458572
1995	female	mature	new shell	24.8336287	1	15.3137422
1995	female	mature	old shell	644.293462	1	0.55419904
1996	female	immature	new shell	71.9598986	1	7.23790994
1996	female	mature	new shell	27.450259	1	10.70055
1996	female	mature	old shell	279.160311	1	1.28580909
1997	female	immature	new shell	48.7941795	1	5.24483539
1997	female	mature	new shell	120.135119	1	3.12986432
1997	female	mature	old shell	219.011108	1	2.1015545
1998	female	immature	new shell	152.896781	1	3.25686032
1998	female	mature	new shell	61.2699783	1	6.30242714
1998	female	mature	old shell	261.246031	1	2.67614967

1999	female	immature	new shell	76.234431	1	4.72582543
1999	female	mature	new shell	21.7647026	1	11.080954
1999	female	mature	old shell	143.681925	1	2.65721911
2000	female	immature	new shell	107.363251	1	2.28716678
2000	female	mature	new shell	52.7574214	1	5.1308553
2000	female	mature	old shell	35.2685211	1	10.0183922
2001	female	immature	new shell	177.788244	1	2.02328218
2001	female	mature	new shell	128.869926	1	5.47439337
2001	female	mature	old shell	64.6982101	1	4.56753971
2002	female	immature	new shell	53.0595893	1	5.26942553
2002	female	mature	new shell	41.7777105	1	8.16704012
2002	female	mature	old shell	100.288842	1	2.86965526
2003	female	immature	new shell	81.9047846	1	3.99677211
2003	female	mature	new shell	77.4950349	1	4.19017149
2003	female	mature	old shell	44.2965693	1	9.63376766
2004	female	immature	new shell	40.9963183	1	8.95801928
2004	female	mature	new shell	232.464846	1	1.23317536
2004	female	mature	old shell	40.0339389	1	10.8815404
2005	female	immature	new shell	282.468602	1	2.01507566
2005	female	mature	new shell	130.530896	1	4.28484318
2005	female	mature	old shell	233.639436	1	3.11738753
2006	female	immature	new shell	57.0439103	1	6.72923611
2006	female	mature	new shell	331.169061	1	2.06869533
2006	female	mature	old shell	108.496384	1	4.08413686
2007	female	immature	new shell	119.956845	1	3.38490541
2007	female	mature	new shell	67.5711658	1	6.23188939
2007	female	mature	old shell	666.980719	1	0.84858209
2008	female	immature	new shell	51.5329198	1	9.42818499
2008	female	mature	new shell	94.71931	1	4.98534546
2008	female	mature	old shell	426.044405	1	1.43093905
2009	female	immature	new shell	22.1994359	1	10.1442291
2009	female	mature	new shell	31.6501105	1	6.83444302
2009	female	mature	old shell	370.359055	1	1.01429786
2010	female	immature	new shell	72.1042047	1	4.67619182
2010	female	mature	new shell	198.633969	1	2.08963053
2010	female	mature	old shell	807.140785	1	0.99329021
2011	female	immature	new shell	59.6914787	1	6.38676387
2011	female	mature	new shell	34.4253599	1	6.90975433
2011	female	mature	old shell	301.027797	1	2.09519829
2012	female	immature	new shell	78.5534959	1	5.29311279
2012	female	mature	new shell	41.676312	1	5.78699259

	2012	female	mature	old shell	311.364028	1	1.27925317
	2013	female	immature	new shell	101.420623	1	4.66621189
	2013	female	mature	new shell	318.407444	1	0.99297728
	2013	female	mature	old shell	62.4137079	1	4.9251985
	2014	female	immature	new shell	15.3130723	1	26.1189043
	2014	female	mature	new shell	46.4530233	1	4.86573473
	2014	female	mature	old shell	88.329548	1	4.01175691
	2015	female	immature	new shell	70.4878341	1	6.17398569
	2015	female	mature	new shell	19.6284904	1	12.4644665
	2015	female	mature	old shell	93.1876121	1	3.65249739
	2016	female	immature	new shell	49.7412217	1	8.76900548
	2016	female	mature	new shell	66.0833585	1	8.2617723
	2016	female	mature	old shell	45.568462	1	6.03677973
	2017	female	immature	new shell	14.170989	1	14.4659718
	2017	female	mature	new shell	22.2580811	1	19.8920405
	2017	female	mature	old shell	74.386299	1	3.11652903
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.30319156	20	1.7465773
all		female	all maturity st	all shell condi	0	20	0
	1980	male	all maturity st	all shell condi	15.8378118	1	22.0945564
	1981	male	all maturity st	all shell condi	72.1180095	1	4.9704511
	1982	male	all maturity st	all shell condi	58.333341	1	9.73381908
	1983	male	all maturity st	all shell condi	30.0619231	1	2.31774518
	1984	male	all maturity st	all shell condi	75.1450115	1	2.14853862
	1988	male	all maturity st	all shell condi	26.028281	1	17.7758502
	1989	male	all maturity st	all shell condi	51.6198003	1	2.85980469
	1990	male	all maturity st	all shell condi	23.2762458	1	28.5639358
	1991	male	all maturity st	all shell condi	375.491545	1	4.46342161
	1992	male	all maturity st	all shell condi	50.2673096	1	24.0020926
	1993	male	all maturity st	all shell condi	89.1326572	1	17.8462964
	1994	male	all maturity st	all shell condi	37.7414415	1	35.595369
	1995	male	all maturity st	all shell condi	143.157568	1	0.7407879
	1996	male	all maturity st	all shell condi	81.2584266	1	3.33802252
	2005	male	all maturity st	all shell condi	12.9079023	1	1.74193005
	2006	male	all maturity st	all shell condi	108.271093	1	1.64185604
	2007	male	all maturity st	all shell condi	278.742659	1	2.84634926
	2008	male	all maturity st	all shell condi	163.191654	1	1.77991302
	2009	male	all maturity st	all shell condi	50.1007187	1	1.8981665
	2013	male	all maturity st	all shell condi	441.733341	1	1.00363025
	2014	male	all maturity st	all shell condi	221.343668	1	4.756839

	2015	male	all maturity st	all shell condi	145.575239	1	12.1757625
all		male	all maturity st	all shell condi	0.20601752	20	0.27588092
all		female	all maturity st	all shell condi	0.52803335	20	1.81232495
	1991	male	all maturity st	all shell condi	257.156481	1	6.67243511
	1991	female	all maturity st	all shell condi	356.644915	1	1.21934019
	1992	male	all maturity st	all shell condi	121.723282	1	22.5740786
	1992	female	all maturity st	all shell condi	790.14132	1	0.42371121
	1993	male	all maturity st	all shell condi	96.4161166	1	23.7388679
	1993	female	all maturity st	all shell condi	355.996752	1	0.70159273
	1994	male	all maturity st	all shell condi	52.7793487	1	8.33183023
	1994	female	all maturity st	all shell condi	70.5615517	1	1.36734336
	1995	male	all maturity st	all shell condi	259.660841	1	1.5088999
	1995	female	all maturity st	all shell condi	111.811994	1	0.94107654
	1996	male	all maturity st	all shell condi	28.3065317	1	1.63508011
	1996	female	all maturity st	all shell condi	159.951416	1	0.06977799
	2005	male	all maturity st	all shell condi	97.7131107	1	17.9182306
	2005	female	all maturity st	all shell condi	43.2180954	1	0.95386283
	2006	male	all maturity st	all shell condi	291.867104	1	7.72792761
	2006	female	all maturity st	all shell condi	298.838034	1	0.87205554
	2007	male	all maturity st	all shell condi	340.100877	1	8.84628543
	2007	female	all maturity st	all shell condi	328.382102	1	0.36706704
	2008	male	all maturity st	all shell condi	401.104889	1	9.18442019
	2008	female	all maturity st	all shell condi	44.1446846	1	0.33767687
	2009	male	all maturity st	all shell condi	115.086949	1	11.2759255
	2009	female	all maturity st	all shell condi	24.0137397	1	0.17360937
	2013	male	all maturity st	all shell condi	1138.18393	1	3.14212307
	2013	female	all maturity st	all shell condi	59.217744	1	0.55605977
	2014	male	all maturity st	all shell condi	228.480847	1	12.3190051
	2014	female	all maturity st	all shell condi	150.915724	1	0.26438806
	2015	male	all maturity st	all shell condi	129.712687	1	16.7792412
	2015	female	all maturity st	all shell condi	76.1233692	1	1.18290723
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.04667667	20	0.02723389
all		female	all maturity st	all shell condi	0.29240206	20	1.06873705
	1992	male	all maturity st	all shell condi	90.4568482	1	4.96690235
	1992	female	all maturity st	all shell condi	19.4077719	1	0.97934055
	1993	male	all maturity st	all shell condi	89.4897808	1	2.8656459
	1993	female	all maturity st	all shell condi	31.6893339	1	1.26924589
	1994	male	all maturity st	all shell condi	701.126939	1	0.11005573
	1994	female	all maturity st	all shell condi	36.4938237	1	2.08552502

1995	male	all maturity st	all shell condi	86.4383756	1	0.79295434
1995	female	all maturity st	all shell condi	40.4010821	1	0.32259601
1996	male	all maturity st	all shell condi	27.2282749	1	6.91889429
1996	female	all maturity st	all shell condi	46.4680403	1	0.46722855
1997	male	all maturity st	all shell condi	356.209434	1	0.93673605
1997	female	all maturity st	all shell condi	114.251636	1	0.19851252
1998	male	all maturity st	all shell condi	239.025029	1	0.48237721
1998	female	all maturity st	all shell condi	19.4683473	1	0.35891122
1999	male	all maturity st	all shell condi	153.629672	1	0.3668548
1999	female	all maturity st	all shell condi	29.333532	1	0.06917708
2000	male	all maturity st	all shell condi	161.539715	1	0.41717495
2000	female	all maturity st	all shell condi	32.7679426	1	0.08969775
2001	male	all maturity st	all shell condi	309.622616	1	0.47427921
2001	female	all maturity st	all shell condi	143.591537	1	0.05085718
2002	male	all maturity st	all shell condi	61.7111538	1	0.81199303
2002	female	all maturity st	all shell condi	42.3986627	1	0.07190255
2003	male	all maturity st	all shell condi	117.015097	1	0.40684118
2003	female	all maturity st	all shell condi	44.8469233	1	0.1003642
2004	male	all maturity st	all shell condi	22.4839793	1	1.99942094
2004	female	all maturity st	all shell condi	30.635853	1	0.86625668
2005	male	all maturity st	all shell condi	121.106395	1	4.43103195
2005	female	all maturity st	all shell condi	111.862827	1	0.14386643
2006	male	all maturity st	all shell condi	75.2777637	1	5.86341083
2006	female	all maturity st	all shell condi	39.5736129	1	1.16982562
2007	male	all maturity st	all shell condi	327.381108	1	2.51108267
2007	female	all maturity st	all shell condi	38.5088487	1	0.45821099
2008	male	all maturity st	all shell condi	89.6983709	1	7.25744168
2008	female	all maturity st	all shell condi	16.3179441	1	2.14185947
2009	male	all maturity st	all shell condi	410.764584	1	2.17654668
2009	female	all maturity st	all shell condi	25.5761676	1	0.84030238
2010	male	all maturity st	all shell condi	282.784711	1	1.62303667
2010	female	all maturity st	all shell condi	90.0762547	1	0.16059258
2011	male	all maturity st	all shell condi	171.015183	1	3.6155854
2011	female	all maturity st	all shell condi	57.0149206	1	0.16077924
2012	male	all maturity st	all shell condi	144.10522	1	3.41589413
2012	female	all maturity st	all shell condi	51.6636406	1	0.14708633
2013	male	all maturity st	all shell condi	223.863764	1	2.69765176
2013	female	all maturity st	all shell condi	133.232452	1	0.10161457
2014	male	all maturity st	all shell condi	359.675069	1	3.6019065
2014	female	all maturity st	all shell condi	88.9039224	1	0.35106315
2015	male	all maturity st	all shell condi	389.746724	1	2.38473381

	2015	female	all maturity st	all shell condi	83.5226743	1	0.11206115
	2016	male	all maturity st	all shell condi	335.315132	1	2.97926072
	2016	female	all maturity st	all shell condi	88.6013085	1	0.10978281
all		all sexes	all maturity st	all shell condi	0	0	0
all		all sexes	all maturity st	all shell condi	0.05485882	20	0.06620877
	1973	male	all maturity st	all shell condi	359.364279	1	-2.4644239
	1973	female	all maturity st	all shell condi	222.035736	1	4.95430879
	1974	male	all maturity st	all shell condi	125.145029	1	0.68338886
	1974	female	all maturity st	all shell condi	231.960683	1	3.13580011
	1975	male	all maturity st	all shell condi	107.490366	1	0.33405532
	1975	female	all maturity st	all shell condi	157.884935	1	2.07452039
	1976	male	all maturity st	all shell condi	73.7748213	1	-1.4261115
	1976	female	all maturity st	all shell condi	101.496846	1	22.8992335
	1977	male	all maturity st	all shell condi	117.321737	1	0.52987805
	1977	female	all maturity st	all shell condi	167.641254	1	18.8246669
	1978	male	all maturity st	all shell condi	155.406405	1	-0.6695309
	1978	female	all maturity st	all shell condi	140.967909	1	27.2851655
	1979	male	all maturity st	all shell condi	505.940041	1	-4.9690898
	1979	female	all maturity st	all shell condi	384.188646	1	14.6534849
	1980	male	all maturity st	all shell condi	637.211974	1	3.70309516
	1980	female	all maturity st	all shell condi	765.047704	1	1.83870285
	1981	male	all maturity st	all shell condi	560.853103	1	-4.1496069
	1981	female	all maturity st	all shell condi	64.6087412	1	12.7604882
	1982	male	all maturity st	all shell condi	454.301007	1	3.40968696
	1982	female	all maturity st	all shell condi	75.6724645	1	19.2692534
	1983	male	all maturity st	all shell condi	469.522793	1	21.1009302
	1983	female	all maturity st	all shell condi	216.862269	1	-5.9527834
	1984	male	all maturity st	all shell condi	547.54854	1	26.0391793
	1984	female	all maturity st	all shell condi	409.173257	1	-11.92715
	1985	male	all maturity st	all shell condi	226.027998	1	19.3245839
	1985	female	all maturity st	all shell condi	344.979597	1	-3.3054772
	1986	male	all maturity st	all shell condi	189.297608	1	16.454633
	1986	female	all maturity st	all shell condi	105.890293	1	4.45071591
	1987	male	all maturity st	all shell condi	186.371814	1	28.4121282
	1987	female	all maturity st	all shell condi	536.452499	1	-1.0962669
	1988	male	all maturity st	all shell condi	264.8877	1	8.36672143
	1988	female	all maturity st	all shell condi	190.705745	1	7.98920418
	1989	male	all maturity st	all shell condi	279.608193	1	8.72200752
	1989	female	all maturity st	all shell condi	654.085065	1	11.5801975
	1990	male	all maturity st	all shell condi	609.797244	1	19.4443661
	1990	female	all maturity st	all shell condi	240.330551	1	-7.9149958

1991	male	all maturity st	all shell condi	296.481187	1	1.64590841
1991	female	all maturity st	all shell condi	171.181656	1	6.46209711
1992	male	all maturity st	all shell condi	182.729312	1	5.58027517
1992	female	all maturity st	all shell condi	62.8659141	1	2.74324214
1993	male	all maturity st	all shell condi	70.7632901	1	4.12970788
1993	female	all maturity st	all shell condi	96.0001681	1	-0.6453653
1994	male	all maturity st	all shell condi	217.811639	1	3.64382054
1994	female	all maturity st	all shell condi	329.890583	1	0.20244536
1995	male	all maturity st	all shell condi	65.9092028	1	11.1342318
1995	female	all maturity st	all shell condi	64.6502417	1	3.1058696
1996	male	all maturity st	all shell condi	192.818482	1	13.8619361
1996	female	all maturity st	all shell condi	345.7139	1	-5.4228973
1997	male	all maturity st	all shell condi	63.187037	1	18.1725529
1997	female	all maturity st	all shell condi	176.933455	1	4.29184678
1998	male	all maturity st	all shell condi	187.02296	1	6.54654678
1998	female	all maturity st	all shell condi	285.518858	1	6.37256992
1999	male	all maturity st	all shell condi	390.841525	1	5.76291427
1999	female	all maturity st	all shell condi	943.185188	1	1.99697665
2000	male	all maturity st	all shell condi	360.030919	1	6.55076842
2000	female	all maturity st	all shell condi	579.402389	1	0.3293128
2001	male	all maturity st	all shell condi	629.143345	1	9.30167426
2001	female	all maturity st	all shell condi	1190.92021	1	-3.6963538
2002	male	all maturity st	all shell condi	491.257068	1	9.46155599
2002	female	all maturity st	all shell condi	851.633926	1	-0.3126116
2003	male	all maturity st	all shell condi	188.127887	1	5.01513668
2003	female	all maturity st	all shell condi	292.112833	1	5.0035215
2004	male	all maturity st	all shell condi	104.865102	1	-1.2070879
2004	female	all maturity st	all shell condi	31.2662992	1	40.1108951
2005	male	all maturity st	all shell condi	1159.386	1	4.37839735
2005	female	all maturity st	all shell condi	1972.23858	1	0.9302976
2006	male	all maturity st	all shell condi	199.667686	1	12.201442
2006	female	all maturity st	all shell condi	186.334791	1	2.37852778
2007	male	all maturity st	all shell condi	158.317176	1	11.457576
2007	female	all maturity st	all shell condi	106.787577	1	8.42808643
2008	male	all maturity st	all shell condi	136.324599	1	29.4172012
2008	female	all maturity st	all shell condi	220.722485	1	-8.7304272
2009	male	all maturity st	all shell condi	262.450899	1	14.5340444
2009	female	all maturity st	all shell condi	609.644283	1	-6.686118
2010	male	all maturity st	all shell condi	387.622881	1	7.83557502
2010	female	all maturity st	all shell condi	1396.32512	1	-2.5286036
2011	male	all maturity st	all shell condi	90.1409905	1	11.3085747

	2011	female	all maturity st	all shell condi	77.9043999	1	19.2148535
	2012	male	all maturity st	all shell condi	281.67514	1	-5.6708938
	2012	female	all maturity st	all shell condi	131.476298	1	12.9284711
	2013	male	all maturity st	all shell condi	206.029158	1	3.7160942
	2013	female	all maturity st	all shell condi	653.04295	1	9.69638602
	2014	male	all maturity st	all shell condi	694.913718	1	10.7906795
	2014	female	all maturity st	all shell condi	811.948524	1	-5.5114781
	2015	male	all maturity st	all shell condi	157.361473	1	19.7452698
	2015	female	all maturity st	all shell condi	308.153992	1	1.24346859
	2016	male	all maturity st	all shell condi	158.914658	1	-0.7299041
	2016	female	all maturity st	all shell condi	50.6807558	1	26.4658557
all		male	all maturity st	all shell condi	0	0	0
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.04978665	20	0.02850517
all		female	all maturity st	all shell condi	0.01066461	20	0.00130794
	1992	male	all maturity st	all shell condi	92.8088259	1	1.21829562
	1992	female	all maturity st	all shell condi	76.4743561	1	0.1297228
	1993	male	all maturity st	all shell condi	249.149737	1	2.77599718
	1993	female	all maturity st	all shell condi	387.624256	1	0.23487214
	1996	male	all maturity st	all shell condi	54.8430259	1	0.15101655
	1996	female	all maturity st	all shell condi	3.53750722	1	0.03149384
	1997	male	all maturity st	all shell condi	15.6485217	1	3.25235709
	1997	female	all maturity st	all shell condi	29.2229793	1	0.05511086
	1998	male	all maturity st	all shell condi	41.1322481	1	0.54966932
	1998	female	all maturity st	all shell condi	21.6508775	1	0.07057173
	1999	male	all maturity st	all shell condi	61.7754363	1	0.23554861
	1999	female	all maturity st	all shell condi	19.0307	1	0.02577543
	2000	male	all maturity st	all shell condi	182.752725	1	0.60466758
	2000	female	all maturity st	all shell condi	43.3491463	1	0.05899802
	2001	male	all maturity st	all shell condi	143.881668	1	0.27011786
	2001	female	all maturity st	all shell condi	53.5728543	1	0.03679117
	2002	male	all maturity st	all shell condi	131.643232	1	0.40471018
	2002	female	all maturity st	all shell condi	35.2021581	1	0.05071158
	2003	male	all maturity st	all shell condi	108.66578	1	0.45247479
	2003	female	all maturity st	all shell condi	51.413289	1	0.093496
	2004	male	all maturity st	all shell condi	49.3025151	1	0.59563407
	2004	female	all maturity st	all shell condi	20.3009397	1	0.0594213
	2005	male	all maturity st	all shell condi	56.9137219	1	1.45296906
	2005	female	all maturity st	all shell condi	13.7531605	1	0.16172556
	2006	male	all maturity st	all shell condi	27.7490108	1	1.80039754
	2006	female	all maturity st	all shell condi	26.641233	1	0.25121674

2007	male	all maturity st	all shell condi	123.935091	1	1.04764918
2007	female	all maturity st	all shell condi	101.614411	1	0.08848726
2008	male	all maturity st	all shell condi	41.2527284	1	4.55899182
2008	female	all maturity st	all shell condi	107.009006	1	0.11090249
2009	male	all maturity st	all shell condi	19.5940152	1	7.93558519
2009	female	all maturity st	all shell condi	129.944268	1	0.04643706
2010	male	all maturity st	all shell condi	59.1393858	1	0.80972013
2010	female	all maturity st	all shell condi	36.0695403	1	0.04466297
2011	male	all maturity st	all shell condi	97.296513	1	0.30185079
2011	female	all maturity st	all shell condi	5.52907181	1	0.02116831
2012	male	all maturity st	all shell condi	110.448117	1	0.49945251
2012	female	all maturity st	all shell condi	6.70117112	1	0.22548637
2013	male	all maturity st	all shell condi	50.4404354	1	2.15927604
2013	female	all maturity st	all shell condi	9.39335168	1	0.18403732
2014	male	all maturity st	all shell condi	124.742707	1	1.59087463
2014	female	all maturity st	all shell condi	21.4590395	1	0.07236781
2015	male	all maturity st	all shell condi	403.296705	1	0.59503303
2015	female	all maturity st	all shell condi	99.50585	1	0.0760915
2016	male	all maturity st	all shell condi	32.4085783	1	5.93198346
2016	female	all maturity st	all shell condi	19.7504101	1	0.51767793
2015	male	immature	new shell	0.45084998	5	82.6386668
2016	male	immature	new shell	0.45084998	5	100.548247
2015	female	immature	new shell	0.30018587	5	69.9128086
2016	female	immature	new shell	0.30018587	5	62.691685
1994	male	immature	new shell	0.51148839	0	11.5505039
1995	male	immature	new shell	0.51148839	0	28.9060279
1996	male	immature	new shell	0.51148839	0	311.21082
1997	male	immature	new shell	0.51148839	0	450.957554
1998	male	immature	new shell	0.51148839	0	492.413081
1999	male	immature	new shell	0.51148839	0	444.303361
2000	male	immature	new shell	0.51148839	0	668.849281
2001	male	immature	new shell	0.51148839	0	758.540296
2002	male	immature	new shell	0.51148839	0	771.048397
2003	male	immature	new shell	0.51148839	0	277.750632
2004	male	immature	new shell	0.51148839	0	171.298195
2005	male	immature	new shell	0.51148839	0	99.1345174
2006	male	immature	new shell	0.51148839	0	12.5150495
2011	male	immature	new shell	0.51148839	0	2.01927445
2012	male	immature	new shell	0.51148839	0	2.8455916
1994	female	immature	new shell	0.35539447	0	13.5325771
1995	female	immature	new shell	0.35539447	0	12.6307617

	1996	female	immature	new shell	0.35539447	0	204.805304
	1997	female	immature	new shell	0.35539447	0	155.090862
	1998	female	immature	new shell	0.35539447	0	224.864649
	1999	female	immature	new shell	0.35539447	0	266.274525
	2000	female	immature	new shell	0.35539447	0	508.806107
	2001	female	immature	new shell	0.35539447	0	514.646078
	2002	female	immature	new shell	0.35539447	0	319.209388
	2003	female	immature	new shell	0.35539447	0	86.3872968
	2004	female	immature	new shell	0.35539447	0	84.5773164
	2005	female	immature	new shell	0.35539447	0	23.5414665
	2006	female	immature	new shell	0.35539447	0	7.14718894
	2012	female	immature	new shell	0.35539447	0	2.28991494
	1990	male		new shell	1.73624973	5	42.6764228
	1991	male		new shell	1.73624973	5	59.1165328
	1992	male		new shell	1.73624973	5	17.1417009
	1993	male		new shell	1.73624973	5	22.0018253
	1994	male		new shell	1.73624973	5	18.9357758
	1995	male		new shell	1.73624973	5	11.5980497
	1997	male		new shell	1.73624973	5	11.3669022
	1998	male		new shell	1.73624973	5	19.8137483
	1999	male		new shell	1.73624973	5	13.798644
	2000	male		new shell	1.73624973	5	18.7130493
	2001	male		new shell	1.73624973	5	24.1710635
	2002	male		new shell	1.73624973	5	16.0394036
	2003	male		new shell	1.73624973	5	9.81702447
	2004	male		new shell	1.73624973	5	16.7532136
	2005	male		new shell	1.73624973	5	54.8794678
	2008	male		new shell	1.73624973	5	37.5058343
	2010	male		new shell	1.73624973	5	47.5783618
	2012	male		new shell	1.73624973	5	17.2180196
	2014	male		new shell	1.73624973	5	16.7382879
	2016	male		new shell	1.73624973	5	37.1753843
	2017	male		new shell	1.73624973	5	13.2190633
all		male	immature	new shell	0.09975135	1	3346.84103
all		male	mature	new shell	0.09975135	1	3346.84103
all		male	immature	old shell	0.09975135	1	3346.84103
all		male	mature	old shell	0.09975135	1	3346.84103
all		female	immature	new shell	0.09975135	1	3346.84103
all		female	mature	new shell	0.09975135	1	3346.84103
all		female	immature	old shell	0.09975135	1	3346.84103
all		female	mature	old shell	0.09975135	1	3346.84103

all		male	immature	new shell	0.09975135	1	55670.5564
all		male	mature	new shell	0.09975135	1	55670.5564
all		male	immature	old shell	0.09975135	1	55670.5564
all		male	mature	old shell	0.09975135	1	55670.5564
all		female	immature	new shell	0.09975135	1	55670.5564
all		female	mature	new shell	0.09975135	1	55670.5564
all		female	immature	old shell	0.09975135	1	55670.5564
all		female	mature	old shell	0.09975135	1	55670.5564
all		male	immature	all shell condi	2.90990615	0	182.052407
all		male	mature	all shell condi	1.9660068	0	83.1014286
all		female	immature	all shell condi	2.74675258	0	162.209969
all		female	mature	all shell condi	2.18169852	0	102.335881
all		male	mature	all shell condi	2.00154776	0	86.1331592
all		female	mature	all shell condi	2.09697655	0	94.5421789
	1975	male	immature	all shell condi	781.312291	0	7.46276827
	1975	male	mature	all shell condi	67.0320978	0	52.7929679
	1975	female	immature	all shell condi	226.99217	0	3.75577447
	1975	female	mature	all shell condi	105.243939	0	-13.07085
	1976	male	immature	all shell condi	366.492903	0	13.3717362
	1976	male	mature	all shell condi	176.372004	0	3.68777571
	1976	female	immature	all shell condi	109.926255	0	18.5812592
	1976	female	mature	all shell condi	174.08352	0	-8.5766559
	1977	male	immature	all shell condi	148.337944	0	11.0707655
	1977	male	mature	all shell condi	167.062155	0	-8.1517884
	1977	female	immature	all shell condi	30.4938472	0	48.4566905
	1977	female	mature	all shell condi	423.480777	0	-7.034243
	1978	male	immature	all shell condi	364.077407	0	4.77593008
	1978	male	mature	all shell condi	264.086257	0	-0.4241441
	1978	female	immature	all shell condi	63.8114045	0	21.8681213
	1978	female	mature	all shell condi	1149.84827	0	-4.475005
	1979	male	immature	all shell condi	132.061327	0	18.9278587
	1979	male	mature	all shell condi	240.750443	0	-8.8085958
	1979	female	immature	all shell condi	344.937914	0	-3.7014975
	1979	female	mature	all shell condi	75.6330581	0	22.8680374
	1980	male	immature	all shell condi	76.7280718	0	33.5210763
	1980	male	mature	all shell condi	138.898601	0	-13.793558
	1980	female	immature	all shell condi	1055.71934	0	2.07611036
	1980	female	mature	all shell condi	46.7561569	0	19.9205656
	1981	male	immature	all shell condi	505.007492	0	7.60834522
	1981	male	mature	all shell condi	309.502402	0	-13.709229
	1981	female	immature	all shell condi	170.977977	0	-4.7045072

1981	female	mature	all shell condi	22.0444905	0	65.8276364
1982	male	immature	all shell condi	222.078923	0	-12.969471
1982	male	mature	all shell condi	235.097772	0	-14.972794
1982	female	immature	all shell condi	133.570852	0	-7.0956088
1982	female	mature	all shell condi	6.26771262	0	146.332655
1983	male	immature	all shell condi	107.808942	0	14.1060422
1983	male	mature	all shell condi	350.669567	0	-7.3847652
1983	female	immature	all shell condi	148.460308	0	9.28529611
1983	female	mature	all shell condi	99.5419	0	20.102958
1984	male	immature	all shell condi	350.985319	0	-8.5809768
1984	male	mature	all shell condi	254.184998	0	13.3710873
1984	female	immature	all shell condi	111.787472	0	-9.2486961
1984	female	mature	all shell condi	58.6360627	0	33.6810774
1985	male	immature	all shell condi	223.92961	0	-14.871145
1985	male	mature	all shell condi	74.2461402	0	36.0096877
1985	female	immature	all shell condi	70.2378026	0	-22.906957
1985	female	mature	all shell condi	38.1226093	0	46.7960108
1986	male	immature	all shell condi	257.89297	0	13.15391
1986	male	mature	all shell condi	79.8243046	0	27.9067614
1986	female	immature	all shell condi	61.7549784	0	-11.278256
1986	female	mature	all shell condi	234.684783	0	4.24868916
1987	male	immature	all shell condi	119.196145	0	12.370442
1987	male	mature	all shell condi	720.323963	0	7.91371507
1987	female	immature	all shell condi	36.2130219	0	52.3391087
1987	female	mature	all shell condi	344.556417	0	-2.8004329
1988	male	immature	all shell condi	342.437501	0	3.9747383
1988	male	mature	all shell condi	313.82618	0	14.9323656
1988	female	immature	all shell condi	113.860405	0	-12.66367
1988	female	mature	all shell condi	72.0192391	0	25.0606986
1989	male	immature	all shell condi	178.856651	0	8.5681708
1989	male	mature	all shell condi	411.293488	0	7.70389547
1989	female	immature	all shell condi	150.385845	0	7.61356037
1989	female	mature	all shell condi	258.105601	0	-1.4182598
1990	male	immature	all shell condi	425.548367	0	-1.8581347
1990	male	mature	all shell condi	428.641274	0	-1.2019485
1990	female	immature	all shell condi	262.419786	0	2.89083318
1990	female	mature	all shell condi	190.434639	0	18.2983839
1991	male	immature	all shell condi	228.510567	0	6.47902147
1991	male	mature	all shell condi	438.553656	0	-7.0541877
1991	female	immature	all shell condi	132.895754	0	7.16587028
1991	female	mature	all shell condi	377.968642	0	15.7548006

1992	male	immature	all shell condi	510.991994	0	8.78656626
1992	male	mature	all shell condi	240.57079	0	2.99540667
1992	female	immature	all shell condi	308.241105	0	2.67853846
1992	female	mature	all shell condi	2810.55356	0	3.06309311
1993	male	immature	all shell condi	407.214305	0	16.2835775
1993	male	mature	all shell condi	322.350251	0	4.04483991
1993	female	immature	all shell condi	527.789765	0	2.77282717
1993	female	mature	all shell condi	464.31924	0	-9.8451571
1994	male	immature	all shell condi	249.232922	0	11.8900356
1994	male	mature	all shell condi	411.689839	0	-3.19436
1994	female	immature	all shell condi	98.0192618	0	16.2695929
1994	female	mature	all shell condi	846.279955	0	-7.6992403
1995	male	immature	all shell condi	380.023069	0	-4.057771
1995	male	mature	all shell condi	398.699504	0	2.32093621
1995	female	immature	all shell condi	208.96525	0	-6.4053894
1995	female	mature	all shell condi	95.219511	0	29.5313959
1996	male	immature	all shell condi	642.191672	0	-2.2566563
1996	male	mature	all shell condi	430.122958	0	6.74681366
1996	female	immature	all shell condi	210.91014	0	-6.0368792
1996	female	mature	all shell condi	200.384704	0	17.2479646
1997	male	immature	all shell condi	219.475328	0	9.93819392
1997	male	mature	all shell condi	2233.60622	0	-4.316926
1997	female	immature	all shell condi	115.317312	0	14.4566202
1997	female	mature	all shell condi	918.671626	0	-5.5686153
1998	male	immature	all shell condi	97.7762997	0	25.8700753
1998	male	mature	all shell condi	1750.51705	0	-4.1949839
1998	female	immature	all shell condi	274.312416	0	15.786616
1998	female	mature	all shell condi	168.458739	0	-10.480689
1999	male	immature	all shell condi	126.423151	0	19.1033022
1999	male	mature	all shell condi	1311.12895	0	0.97016939
1999	female	immature	all shell condi	266.187464	0	2.57529954
1999	female	mature	all shell condi	517.380047	0	-4.5238727
2000	male	immature	all shell condi	132.359151	0	13.832921
2000	male	mature	all shell condi	1214.42824	0	4.2703894
2000	female	immature	all shell condi	374.83527	0	-2.2522001
2000	female	mature	all shell condi	399.187578	0	-1.6321419
2001	male	immature	all shell condi	134.72648	0	21.5957728
2001	male	mature	all shell condi	724.830834	0	-5.8934322
2001	female	immature	all shell condi	362.328486	0	9.08700693
2001	female	mature	all shell condi	361.76942	0	-5.3961724
2002	male	immature	all shell condi	112.390302	0	15.9719968

2002	male	mature	all shell condi	1566.68918	0	-3.2493974
2002	female	immature	all shell condi	114.665492	0	13.1216781
2002	female	mature	all shell condi	996.870723	0	-3.699629
2003	male	immature	all shell condi	303.143097	0	10.9061307
2003	male	mature	all shell condi	2690.91694	0	1.89396128
2003	female	immature	all shell condi	155.700337	0	-9.2835013
2003	female	mature	all shell condi	182.169787	0	12.1418335
2004	male	immature	all shell condi	105.85239	0	14.129001
2004	male	mature	all shell condi	668.106508	0	8.43218672
2004	female	immature	all shell condi	103.180331	0	12.4874072
2004	female	mature	all shell condi	349.17493	0	-4.2687573
2005	male	immature	all shell condi	200.745743	0	8.14563815
2005	male	mature	all shell condi	1319.94775	0	-5.1899431
2005	female	immature	all shell condi	250.931443	0	17.2210562
2005	female	mature	all shell condi	1726.32371	0	-2.6676203
2006	male	immature	all shell condi	346.466475	0	13.0624747
2006	male	mature	all shell condi	1317.21869	0	-1.7286601
2006	female	immature	all shell condi	234.966253	0	10.7306504
2006	female	mature	all shell condi	561.736029	0	-6.0574473
2007	male	immature	all shell condi	179.003953	0	29.1937037
2007	male	mature	all shell condi	923.737311	0	1.24078736
2007	female	immature	all shell condi	706.763802	0	-0.0977255
2007	female	mature	all shell condi	207.411785	0	-10.554914
2008	male	immature	all shell condi	558.47651	0	14.6414935
2008	male	mature	all shell condi	1222.8291	0	-0.3702023
2008	female	immature	all shell condi	358.16522	0	5.56097497
2008	female	mature	all shell condi	636.309304	0	-6.7034679
2009	male	immature	all shell condi	172.296828	0	7.87599434
2009	male	mature	all shell condi	499.905735	0	9.80171662
2009	female	immature	all shell condi	58.3793329	0	-3.2313075
2009	female	mature	all shell condi	631.070499	0	5.91770005
2010	male	immature	all shell condi	317.141291	0	7.32436211
2010	male	mature	all shell condi	401.754374	0	12.5706738
2010	female	immature	all shell condi	145.202826	0	-6.0663605
2010	female	mature	all shell condi	8801.97444	0	-1.3637948
2011	male	immature	all shell condi	231.385782	0	17.0307498
2011	male	mature	all shell condi	2131.39616	0	-0.2548963
2011	female	immature	all shell condi	178.019695	0	7.9015654
2011	female	mature	all shell condi	309.840141	0	-5.7782213
2012	male	immature	all shell condi	286.170148	0	18.9225208
2012	male	mature	all shell condi	1750.79591	0	-0.408742

	2012	female	immature	all shell condi	306.123666	0	-1.1736329
	2012	female	mature	all shell condi	631.938624	0	-3.2417069
	2013	male	immature	all shell condi	736.004654	0	10.9065718
	2013	male	mature	all shell condi	326.570205	0	5.23109422
	2013	female	immature	all shell condi	524.083591	0	-1.6528859
	2013	female	mature	all shell condi	1856.02696	0	-1.5294454
	2014	male	immature	all shell condi	269.288133	0	18.0317974
	2014	male	mature	all shell condi	589.115581	0	1.76357188
	2014	female	immature	all shell condi	90.4976539	0	16.0177467
	2014	female	mature	all shell condi	466.433748	0	-7.8411495
	2015	male	immature	all shell condi	691.794264	0	8.71049113
	2015	male	mature	all shell condi	556.831603	0	2.79330565
	2015	female	immature	all shell condi	602.738458	0	1.50412324
	2015	female	mature	all shell condi	340.693576	0	1.63631778
	2016	male	immature	all shell condi	465.187838	0	8.38842342
	2016	male	mature	all shell condi	169.589036	0	23.1083234
	2016	female	immature	all shell condi	395.843271	0	-2.3194491
	2016	female	mature	all shell condi	301.956558	0	-5.6163482
	2017	male	immature	all shell condi	86.9784821	0	5.935229
	2017	male	mature	all shell condi	158.403874	0	23.0872722
	2017	female	immature	all shell condi	69.8305985	0	4.41995909
	2017	female	mature	all shell condi	532.923343	0	1.2985488
all		male	all maturity st	new shell	2.91956964	1	183.263569
all		male	all maturity st	old shell	3.72248459	1	297.923168
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
all		male	all maturity st	new shell	2.51934761	1	136.462917
all		male	all maturity st	old shell	2.88132505	1	178.493732
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
	1975	male	all maturity st	new shell	58.9139004	1	32.0957633
	1975	male	all maturity st	old shell	24.9353829	1	45.103439
	1976	male	all maturity st	new shell	177.717801	1	9.21101717
	1976	male	all maturity st	old shell	17.2803966	1	70.2250425
	1977	male	all maturity st	new shell	79.0060018	1	15.5459019
	1977	male	all maturity st	old shell	57.9654014	1	24.1247738
	1978	male	all maturity st	new shell	163.786062	1	7.93899125
	1978	male	all maturity st	old shell	45.4684208	1	27.8843275
	1979	male	all maturity st	new shell	85.9022622	1	10.1125863
	1979	male	all maturity st	old shell	31.6096801	1	39.8264467
	1980	male	all maturity st	new shell	49.9606503	1	17.5257146

1980	male	all maturity st	old shell	32.9478508	1	37.484732
1981	male	all maturity st	new shell	74.9498572	1	15.6773458
1981	male	all maturity st	old shell	24.9210928	1	40.8184814
1982	male	all maturity st	new shell	77.742111	1	16.8686129
1982	male	all maturity st	old shell	305.163119	1	5.5391226
1983	male	all maturity st	new shell	38.8344861	1	26.4236613
1983	male	all maturity st	old shell	80.9430405	1	16.3102076
1984	male	all maturity st	new shell	101.571017	1	6.78382705
1984	male	all maturity st	old shell	51.8408624	1	22.3836441
1985	male	all maturity st	new shell	110.663993	1	11.6719971
1985	male	all maturity st	old shell	45.5376038	1	29.5519366
1986	male	all maturity st	new shell	68.7116722	1	15.0712701
1986	male	all maturity st	old shell	86.953143	1	16.1351836
1987	male	all maturity st	new shell	47.6779134	1	16.2985369
1987	male	all maturity st	old shell	116.108078	1	16.2926587
1988	male	all maturity st	new shell	89.1842562	1	12.4570505
1988	male	all maturity st	old shell	109.532084	1	17.1903229
1989	male	all maturity st	new shell	87.4511287	1	13.2205227
1989	male	all maturity st	old shell	228.386916	1	11.0944253
1990	male	all maturity st	new shell	189.372608	1	7.03202033
1990	male	all maturity st	old shell	101.229119	1	14.6380662
1991	male	all maturity st	new shell	125.220665	1	10.8926063
1991	male	all maturity st	old shell	83.383707	1	19.07843
1992	male	all maturity st	new shell	177.280237	1	7.85295157
1992	male	all maturity st	old shell	56.0152455	1	19.9891124
1993	male	all maturity st	new shell	382.186156	1	3.79520346
1993	male	all maturity st	old shell	93.0526339	1	10.219421
1994	male	all maturity st	new shell	157.406319	1	7.03873331
1994	male	all maturity st	old shell	86.3702651	1	11.4817279
1995	male	all maturity st	new shell	94.4151341	1	11.2754814
1995	male	all maturity st	old shell	78.3713725	1	13.5980175
1996	male	all maturity st	new shell	151.701797	1	10.0964207
1996	male	all maturity st	old shell	72.826541	1	13.3697257
1997	male	all maturity st	new shell	107.046561	1	8.71335616
1997	male	all maturity st	old shell	250.521658	1	9.18041238
1998	male	all maturity st	new shell	69.9876284	1	13.889081
1998	male	all maturity st	old shell	311.676689	1	7.40557234
1999	male	all maturity st	new shell	85.5429651	1	9.60840762
1999	male	all maturity st	old shell	110.599985	1	12.52261
2000	male	all maturity st	new shell	94.5466879	1	6.72783144
2000	male	all maturity st	old shell	127.907283	1	12.6911399

	2001	male	all maturity st	new shell	86.8081774	1	11.7783056
	2001	male	all maturity st	old shell	154.033034	1	12.9999276
	2002	male	all maturity st	new shell	49.3138544	1	16.5404551
	2002	male	all maturity st	old shell	346.532424	1	7.81650452
	2003	male	all maturity st	new shell	144.213985	1	7.59816504
	2003	male	all maturity st	old shell	188.605083	1	11.3133197
	2004	male	all maturity st	new shell	54.6154167	1	16.7288173
	2004	male	all maturity st	old shell	75.301694	1	24.9528326
	2005	male	all maturity st	new shell	87.4517328	1	11.9797429
	2005	male	all maturity st	old shell	290.46423	1	9.6856822
	2006	male	all maturity st	new shell	127.555263	1	10.5735568
	2006	male	all maturity st	old shell	211.679593	1	11.8946875
	2007	male	all maturity st	new shell	205.851525	1	8.41982366
	2007	male	all maturity st	old shell	250.827325	1	13.3778545
	2008	male	all maturity st	new shell	542.037097	1	4.1398162
	2008	male	all maturity st	old shell	160.335324	1	12.5846311
	2009	male	all maturity st	new shell	56.1807059	1	12.2431962
	2009	male	all maturity st	old shell	140.096142	1	9.99637604
	2010	male	all maturity st	new shell	77.3000822	1	12.0083099
	2010	male	all maturity st	old shell	204.688727	1	8.14465933
	2011	male	all maturity st	new shell	142.437317	1	5.77441751
	2011	male	all maturity st	old shell	140.965675	1	12.6080844
	2012	male	all maturity st	new shell	258.957333	1	3.22179334
	2012	male	all maturity st	old shell	110.304305	1	12.7814882
	2013	male	all maturity st	new shell	168.537382	1	6.99394874
	2013	male	all maturity st	old shell	185.361952	1	12.0766681
	2014	male	all maturity st	new shell	189.932073	1	9.4795626
	2014	male	all maturity st	old shell	111.758224	1	11.6863746
	2015	male	all maturity st	new shell	368.697201	1	6.39793958
	2015	male	all maturity st	old shell	152.221415	1	9.50201758
	2016	male	all maturity st	new shell	220.485752	1	8.24554866
	2016	male	all maturity st	old shell	94.1019532	1	13.9446375
	2017	male	all maturity st	new shell	23.4260473	1	20.7940487
	2017	male	all maturity st	old shell	87.0975222	1	14.0753125
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.74675258	1	162.209969
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.27927028	1	111.69407

all		female	mature	old shell	2.54119603	1	138.840061
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.4267591	1	126.616934
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.2093247	1	104.943986
all		female	mature	old shell	2.38078257	1	121.864702
	1975	female	immature	new shell	24.5078483	1	17.9074731
	1975	female	mature	new shell	107.992485	1	3.18932297
	1975	female	mature	old shell	11.4347502	1	21.711056
	1976	female	immature	new shell	37.7810661	1	8.9358077
	1976	female	mature	new shell	200.86519	1	2.4595781
	1976	female	mature	old shell	12.6544131	1	22.1919136
	1977	female	immature	new shell	27.0816728	1	11.2302821
	1977	female	mature	new shell	461.973541	1	2.28131235
	1977	female	mature	old shell	43.7354209	1	7.77167622
	1978	female	immature	new shell	25.1792213	1	10.444948
	1978	female	mature	new shell	86.9816553	1	3.07670333
	1978	female	mature	old shell	89.9519531	1	3.64511434
	1979	female	immature	new shell	43.4097519	1	4.69739698
	1979	female	mature	new shell	24.8580792	1	14.395971
	1979	female	mature	old shell	50.875156	1	6.04326047
	1980	female	immature	new shell	141.395697	1	2.76891891
	1980	female	mature	new shell	9.04632791	1	25.0416076
	1980	female	mature	old shell	41.7199281	1	5.93209299
	1981	female	immature	new shell	27.8107822	1	15.612182
	1981	female	mature	new shell	7.4245688	1	44.270838
	1981	female	mature	old shell	162.041522	1	4.46435931
	1982	female	immature	new shell	40.6400149	1	17.1891822
	1982	female	mature	new shell	7.42713581	1	32.6084328
	1982	female	mature	old shell	22.496489	1	11.7913309
	1983	female	immature	new shell	40.2048606	1	8.0317754
	1983	female	mature	new shell	57.7784164	1	6.50791928
	1983	female	mature	old shell	63.3968567	1	4.19686509
	1984	female	immature	new shell	29.2825205	1	6.82711653
	1984	female	mature	new shell	27.600729	1	8.10128198
	1984	female	mature	old shell	208.456968	1	1.98927146
	1985	female	immature	new shell	105.263985	1	4.82055873
	1985	female	mature	new shell	13.7192718	1	34.7866908

1985	female	mature	old shell	223.031962	1	2.19636152
1986	female	immature	new shell	33.2723175	1	11.0543536
1986	female	mature	new shell	7.66289114	1	32.1112696
1986	female	mature	old shell	39.2655049	1	7.95562716
1987	female	immature	new shell	13.7353792	1	46.1230746
1987	female	mature	new shell	37.9664317	1	10.5569013
1987	female	mature	old shell	25.0173961	1	15.6838526
1988	female	immature	new shell	77.7282563	1	9.18184252
1988	female	mature	new shell	14.3928972	1	24.8224776
1988	female	mature	old shell	39.560177	1	9.53470601
1989	female	immature	new shell	44.2311322	1	6.15152709
1989	female	mature	new shell	22.0750655	1	14.0783283
1989	female	mature	old shell	43.5593745	1	10.3112435
1990	female	immature	new shell	50.9725543	1	6.65082076
1990	female	mature	new shell	177.206647	1	1.92654796
1990	female	mature	old shell	35.4370235	1	10.9602657
1991	female	immature	new shell	18.2300034	1	16.9748406
1991	female	mature	new shell	81.769102	1	3.53173405
1991	female	mature	old shell	142.407353	1	3.28155739
1992	female	immature	new shell	28.1724547	1	14.2610423
1992	female	mature	new shell	51.873049	1	7.14760083
1992	female	mature	old shell	196.00044	1	2.15442652
1993	female	immature	new shell	50.3946661	1	8.52035815
1993	female	mature	new shell	25.2852756	1	10.6502474
1993	female	mature	old shell	257.736047	1	1.30823866
1994	female	immature	new shell	33.6928923	1	9.22443806
1994	female	mature	new shell	30.9300938	1	12.216926
1994	female	mature	old shell	468.386811	1	1.11096718
1995	female	immature	new shell	63.6272024	1	7.53253897
1995	female	mature	new shell	27.5501312	1	14.1381512
1995	female	mature	old shell	728.383503	1	0.50853314
1996	female	immature	new shell	69.6418128	1	7.55231877
1996	female	mature	new shell	26.1979794	1	11.0566657
1996	female	mature	old shell	298.467001	1	1.23677998
1997	female	immature	new shell	51.1662926	1	4.88993207
1997	female	mature	new shell	117.828953	1	3.13356682
1997	female	mature	old shell	223.44056	1	2.06545104
1998	female	immature	new shell	158.868009	1	3.21670064
1998	female	mature	new shell	60.2479888	1	6.31893584
1998	female	mature	old shell	275.3674	1	2.58939196
1999	female	immature	new shell	82.9332501	1	4.54887838

1999	female	mature	new shell	21.4022404	1	11.2529874
1999	female	mature	old shell	151.739676	1	2.50818247
2000	female	immature	new shell	107.493893	1	2.2752908
2000	female	mature	new shell	50.3427821	1	5.34285784
2000	female	mature	old shell	35.4722978	1	9.99636967
2001	female	immature	new shell	186.681226	1	1.91153179
2001	female	mature	new shell	126.88262	1	5.43200234
2001	female	mature	old shell	65.4148365	1	4.46471347
2002	female	immature	new shell	47.6238309	1	5.81695177
2002	female	mature	new shell	42.7753784	1	8.0070515
2002	female	mature	old shell	97.5416044	1	2.91406743
2003	female	immature	new shell	61.4486095	1	4.86401736
2003	female	mature	new shell	81.0739755	1	3.96973539
2003	female	mature	old shell	43.9579278	1	9.71853662
2004	female	immature	new shell	36.2611989	1	9.54898784
2004	female	mature	new shell	231.256272	1	1.16490802
2004	female	mature	old shell	39.7983062	1	10.8809046
2005	female	immature	new shell	288.009471	1	1.96356401
2005	female	mature	new shell	123.235005	1	4.00977957
2005	female	mature	old shell	260.723067	1	2.89139174
2006	female	immature	new shell	64.0785416	1	6.09282651
2006	female	mature	new shell	346.541019	1	1.8955735
2006	female	mature	old shell	124.997639	1	3.57167002
2007	female	immature	new shell	115.444258	1	3.49062833
2007	female	mature	new shell	68.8817787	1	6.43102684
2007	female	mature	old shell	848.473842	1	0.69296081
2008	female	immature	new shell	50.188095	1	9.51436594
2008	female	mature	new shell	90.2767889	1	5.1765897
2008	female	mature	old shell	440.02892	1	1.30862032
2009	female	immature	new shell	20.833586	1	10.930942
2009	female	mature	new shell	33.2896734	1	6.45718294
2009	female	mature	old shell	388.967916	1	0.9476559
2010	female	immature	new shell	68.6103557	1	4.90308088
2010	female	mature	new shell	177.277885	1	2.19400941
2010	female	mature	old shell	978.640833	1	0.87921127
2011	female	immature	new shell	59.3704459	1	6.38034654
2011	female	mature	new shell	33.7506711	1	6.99713874
2011	female	mature	old shell	295.295518	1	2.06230633
2012	female	immature	new shell	81.6254566	1	5.16218626
2012	female	mature	new shell	42.9461946	1	5.61325941
2012	female	mature	old shell	321.225558	1	1.24582618

	2013	female	immature	new shell	104.722347	1	4.39095168
	2013	female	mature	new shell	297.070941	1	1.03090004
	2013	female	mature	old shell	64.0406794	1	4.83898112
	2014	female	immature	new shell	16.1808104	1	24.6879143
	2014	female	mature	new shell	45.7041205	1	4.93394253
	2014	female	mature	old shell	90.5519294	1	3.92611457
	2015	female	immature	new shell	74.807586	1	5.76195732
	2015	female	mature	new shell	20.2646771	1	12.022648
	2015	female	mature	old shell	98.1556452	1	3.45919419
	2016	female	immature	new shell	51.5581964	1	8.3620706
	2016	female	mature	new shell	71.8980546	1	7.82560157
	2016	female	mature	old shell	48.0079135	1	5.68139949
	2017	female	immature	new shell	14.54406	1	13.8329347
	2017	female	mature	new shell	22.3543882	1	19.8137276
	2017	female	mature	old shell	79.3974901	1	2.88010423
all		male	all maturity st	all shell condi	3.50876596	0	233.917333
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.94006869	1	16.7908538
all		female	all maturity st	all shell condi	0	1	0
	1980	male	all maturity st	all shell condi	24.4515578	1	13.2431914
	1981	male	all maturity st	all shell condi	281.295835	1	1.74991774
	1982	male	all maturity st	all shell condi	173.422161	1	4.81074695
	1983	male	all maturity st	all shell condi	50.4809787	1	1.73547401
	1984	male	all maturity st	all shell condi	140.654675	1	1.50937692
	1988	male	all maturity st	all shell condi	47.4974002	1	11.2780662
	1989	male	all maturity st	all shell condi	148.177162	1	1.55319778
	1990	male	all maturity st	all shell condi	49.5119391	1	13.6218515
	1991	male	all maturity st	all shell condi	746.905653	1	2.57521163
	1992	male	all maturity st	all shell condi	90.535177	1	17.04894
	1993	male	all maturity st	all shell condi	150.155693	1	10.7025359
	1994	male	all maturity st	all shell condi	113.911007	1	16.5140149
	1995	male	all maturity st	all shell condi	104.219151	1	1.1162747
	1996	male	all maturity st	all shell condi	113.196154	1	2.7988318
	2005	male	all maturity st	all shell condi	9.29862254	1	2.20809874
	2006	male	all maturity st	all shell condi	179.617881	1	1.45092086
	2007	male	all maturity st	all shell condi	127.0308	1	3.54775632
	2008	male	all maturity st	all shell condi	130.582138	1	2.23256977
	2009	male	all maturity st	all shell condi	33.4730553	1	2.2157312
	2013	male	all maturity st	all shell condi	169.522192	1	1.33666915
	2014	male	all maturity st	all shell condi	236.91817	1	3.83454312
	2015	male	all maturity st	all shell condi	179.715405	1	9.74098134

all		male	all maturity st	all shell condi	1.95496196	1	24.8421958
all		female	all maturity st	all shell condi	7.10444862	1	328.075736
	1991	male	all maturity st	all shell condi	3019.98599	1	1.24256657
	1991	female	all maturity st	all shell condi	277.087874	1	1.48316035
	1992	male	all maturity st	all shell condi	367.102809	1	12.7719574
	1992	female	all maturity st	all shell condi	1075.48492	1	0.32448207
	1993	male	all maturity st	all shell condi	309.202186	1	11.4634526
	1993	female	all maturity st	all shell condi	357.399821	1	0.74149671
	1994	male	all maturity st	all shell condi	802.374194	1	1.44562551
	1994	female	all maturity st	all shell condi	71.6399429	1	1.32493736
	1995	male	all maturity st	all shell condi	113.452029	1	2.6222556
	1995	female	all maturity st	all shell condi	108.35048	1	0.95839448
	1996	male	all maturity st	all shell condi	17.6204418	1	2.4864316
	1996	female	all maturity st	all shell condi	162.278149	1	0.0700948
	2005	male	all maturity st	all shell condi	117.746829	1	17.768504
	2005	female	all maturity st	all shell condi	42.6871829	1	0.96918858
	2006	male	all maturity st	all shell condi	216.086681	1	7.86122778
	2006	female	all maturity st	all shell condi	312.146831	1	0.85715359
	2007	male	all maturity st	all shell condi	228.27172	1	8.16243847
	2007	female	all maturity st	all shell condi	312.237653	1	0.38261595
	2008	male	all maturity st	all shell condi	404.981027	1	10.1129142
	2008	female	all maturity st	all shell condi	42.9066278	1	0.34775367
	2009	male	all maturity st	all shell condi	58.0687957	1	13.2926144
	2009	female	all maturity st	all shell condi	24.5343867	1	0.17288373
	2013	male	all maturity st	all shell condi	687.686475	1	2.64792579
	2013	female	all maturity st	all shell condi	61.6675584	1	0.54903923
	2014	male	all maturity st	all shell condi	329.700041	1	9.35059444
	2014	female	all maturity st	all shell condi	160.5895	1	0.25965773
	2015	male	all maturity st	all shell condi	180.496901	1	12.9836521
	2015	female	all maturity st	all shell condi	79.8328866	1	1.12417292
all		male	all maturity st	all shell condi	5.07595047	0	322.065915
all		female	all maturity st	all shell condi	4.6149806	0	266.225574
all		male	all maturity st	all shell condi	2.06452061	1	53.2780668
all		female	all maturity st	all shell condi	2.05862395	1	52.974157
	1992	male	all maturity st	all shell condi	144.937178	1	2.95389112
	1992	female	all maturity st	all shell condi	15.6945241	1	1.20672891
	1993	male	all maturity st	all shell condi	209.890836	1	1.10808613
	1993	female	all maturity st	all shell condi	26.6906627	1	1.38985966
	1994	male	all maturity st	all shell condi	294.260745	1	0.39090479
	1994	female	all maturity st	all shell condi	44.7850272	1	1.70281768
	1995	male	all maturity st	all shell condi	153.363877	1	0.47634814

1995	female	all maturity st	all shell condi	36.1249471	1	0.32165399
1996	male	all maturity st	all shell condi	42.6970901	1	4.24565487
1996	female	all maturity st	all shell condi	33.6203708	1	0.58338822
1997	male	all maturity st	all shell condi	498.072068	1	0.79045532
1997	female	all maturity st	all shell condi	105.264613	1	0.2336933
1998	male	all maturity st	all shell condi	483.901363	1	0.34449225
1998	female	all maturity st	all shell condi	23.9253107	1	0.30048961
1999	male	all maturity st	all shell condi	208.175417	1	0.28829585
1999	female	all maturity st	all shell condi	37.4106277	1	0.05824332
2000	male	all maturity st	all shell condi	276.42036	1	0.29056446
2000	female	all maturity st	all shell condi	43.3514104	1	0.07843054
2001	male	all maturity st	all shell condi	520.303427	1	0.33047474
2001	female	all maturity st	all shell condi	213.352051	1	0.04644178
2002	male	all maturity st	all shell condi	50.6084419	1	0.91875438
2002	female	all maturity st	all shell condi	55.899496	1	0.06302493
2003	male	all maturity st	all shell condi	94.6604889	1	0.42720308
2003	female	all maturity st	all shell condi	57.9826755	1	0.09055701
2004	male	all maturity st	all shell condi	19.8513493	1	2.08957855
2004	female	all maturity st	all shell condi	30.8805223	1	0.91802669
2005	male	all maturity st	all shell condi	121.991929	1	4.39470608
2005	female	all maturity st	all shell condi	39.0546	1	0.52183014
2006	male	all maturity st	all shell condi	70.1534988	1	6.34527584
2006	female	all maturity st	all shell condi	26.3580536	1	2.46310256
2007	male	all maturity st	all shell condi	313.806842	1	2.5561321
2007	female	all maturity st	all shell condi	29.2123065	1	0.93905429
2008	male	all maturity st	all shell condi	86.0340485	1	7.51644007
2008	female	all maturity st	all shell condi	14.1100124	1	2.31607505
2009	male	all maturity st	all shell condi	401.042168	1	2.26735939
2009	female	all maturity st	all shell condi	15.9237332	1	1.40368752
2010	male	all maturity st	all shell condi	297.375439	1	1.58119297
2010	female	all maturity st	all shell condi	24.3634984	1	0.60862819
2011	male	all maturity st	all shell condi	182.914	1	3.44483058
2011	female	all maturity st	all shell condi	20.7602339	1	0.5276514
2012	male	all maturity st	all shell condi	157.288332	1	3.26854225
2012	female	all maturity st	all shell condi	22.7078855	1	0.41212192
2013	male	all maturity st	all shell condi	232.397981	1	2.65719258
2013	female	all maturity st	all shell condi	166.495968	1	0.19847342
2014	male	all maturity st	all shell condi	348.670393	1	3.74555802
2014	female	all maturity st	all shell condi	29.0992647	1	1.0626747
2015	male	all maturity st	all shell condi	450.342913	1	2.15964416
2015	female	all maturity st	all shell condi	59.3722039	1	0.21352944

	2016	male	all maturity st	all shell condi	357.707559	1	2.85983908
	2016	female	all maturity st	all shell condi	55.0218472	1	0.23104976
all		all sexes	all maturity st	all shell condi	1.72364708	0	38.6224703
all		all sexes	all maturity st	all shell condi	0.2066964	1	0.93991486
	1973	male	all maturity st	all shell condi	491.617188	1	-2.3915829
	1973	female	all maturity st	all shell condi	207.498114	1	4.82048098
	1974	male	all maturity st	all shell condi	117.094174	1	1.04489656
	1974	female	all maturity st	all shell condi	220.12724	1	3.11981424
	1975	male	all maturity st	all shell condi	95.396965	1	0.50651161
	1975	female	all maturity st	all shell condi	148.116942	1	2.13287291
	1976	male	all maturity st	all shell condi	72.4075008	1	-1.3318251
	1976	female	all maturity st	all shell condi	100.249737	1	22.4435613
	1977	male	all maturity st	all shell condi	139.705013	1	-0.809634
	1977	female	all maturity st	all shell condi	248.360672	1	16.3159245
	1978	male	all maturity st	all shell condi	193.578449	1	-2.4658602
	1978	female	all maturity st	all shell condi	141.001523	1	25.9302432
	1979	male	all maturity st	all shell condi	651.053237	1	-6.9813123
	1979	female	all maturity st	all shell condi	430.247032	1	15.0666299
	1980	male	all maturity st	all shell condi	467.878696	1	2.70161489
	1980	female	all maturity st	all shell condi	993.847754	1	3.20913257
	1981	male	all maturity st	all shell condi	364.242924	1	-4.755432
	1981	female	all maturity st	all shell condi	61.9768061	1	14.4001059
	1982	male	all maturity st	all shell condi	301.149203	1	3.18903713
	1982	female	all maturity st	all shell condi	73.7066856	1	22.6253546
	1983	male	all maturity st	all shell condi	451.684896	1	19.655559
	1983	female	all maturity st	all shell condi	230.477204	1	-5.1040345
	1984	male	all maturity st	all shell condi	518.016443	1	26.3505174
	1984	female	all maturity st	all shell condi	415.445382	1	-12.302818
	1985	male	all maturity st	all shell condi	253.941815	1	18.7201287
	1985	female	all maturity st	all shell condi	323.14903	1	-3.5385174
	1986	male	all maturity st	all shell condi	239.376385	1	14.2829183
	1986	female	all maturity st	all shell condi	115.36995	1	3.88235708
	1987	male	all maturity st	all shell condi	194.923571	1	27.054973
	1987	female	all maturity st	all shell condi	577.65278	1	-0.9040023
	1988	male	all maturity st	all shell condi	266.523423	1	8.29769833
	1988	female	all maturity st	all shell condi	195.746754	1	8.16249004
	1989	male	all maturity st	all shell condi	317.920318	1	7.33063809
	1989	female	all maturity st	all shell condi	776.112386	1	11.2833144
	1990	male	all maturity st	all shell condi	628.643252	1	18.6122734
	1990	female	all maturity st	all shell condi	260.756632	1	-7.4650587
	1991	male	all maturity st	all shell condi	259.109312	1	1.27219356

1991	female	all maturity st	all shell condi	173.491334	1	7.42994216
1992	male	all maturity st	all shell condi	157.678224	1	5.47241371
1992	female	all maturity st	all shell condi	64.7277118	1	3.34594293
1993	male	all maturity st	all shell condi	69.0141124	1	4.02148091
1993	female	all maturity st	all shell condi	112.454485	1	-0.4764721
1994	male	all maturity st	all shell condi	238.212887	1	2.74839921
1994	female	all maturity st	all shell condi	348.537637	1	1.18249548
1995	male	all maturity st	all shell condi	60.3971248	1	12.0086289
1995	female	all maturity st	all shell condi	63.6225951	1	4.21004881
1996	male	all maturity st	all shell condi	181.172236	1	13.3556775
1996	female	all maturity st	all shell condi	395.706857	1	-4.6328075
1997	male	all maturity st	all shell condi	57.7786955	1	20.2585797
1997	female	all maturity st	all shell condi	165.906387	1	5.49556426
1998	male	all maturity st	all shell condi	155.26224	1	8.03306941
1998	female	all maturity st	all shell condi	263.580425	1	7.3129941
1999	male	all maturity st	all shell condi	352.665138	1	6.15582938
1999	female	all maturity st	all shell condi	868.39697	1	2.39374669
2000	male	all maturity st	all shell condi	337.603387	1	6.75960324
2000	female	all maturity st	all shell condi	555.831935	1	0.46758156
2001	male	all maturity st	all shell condi	565.176895	1	9.52543862
2001	female	all maturity st	all shell condi	1280.59703	1	-3.7113557
2002	male	all maturity st	all shell condi	448.356698	1	10.2350081
2002	female	all maturity st	all shell condi	823.232281	1	-0.263443
2003	male	all maturity st	all shell condi	194.373125	1	4.73395097
2003	female	all maturity st	all shell condi	299.217072	1	4.56497283
2004	male	all maturity st	all shell condi	117.556318	1	-2.974689
2004	female	all maturity st	all shell condi	33.7582546	1	37.3387849
2005	male	all maturity st	all shell condi	886.400416	1	5.15309199
2005	female	all maturity st	all shell condi	2360.71839	1	0.29134733
2006	male	all maturity st	all shell condi	183.705745	1	12.7879386
2006	female	all maturity st	all shell condi	176.074977	1	2.33470558
2007	male	all maturity st	all shell condi	165.12371	1	10.7847381
2007	female	all maturity st	all shell condi	103.715929	1	8.7248409
2008	male	all maturity st	all shell condi	147.747192	1	27.9371417
2008	female	all maturity st	all shell condi	219.456588	1	-8.7309225
2009	male	all maturity st	all shell condi	278.374618	1	14.337655
2009	female	all maturity st	all shell condi	591.113778	1	-6.8317447
2010	male	all maturity st	all shell condi	411.339065	1	7.8363746
2010	female	all maturity st	all shell condi	1331.43851	1	-2.8445322
2011	male	all maturity st	all shell condi	89.4713085	1	11.5828337
2011	female	all maturity st	all shell condi	77.9960144	1	18.8959345

	2012	male	all maturity st	all shell condi	287.859222	1	-5.5500265
	2012	female	all maturity st	all shell condi	144.741442	1	12.3086785
	2013	male	all maturity st	all shell condi	196.068827	1	4.09335511
	2013	female	all maturity st	all shell condi	697.033833	1	9.38204988
	2014	male	all maturity st	all shell condi	818.496476	1	9.82805301
	2014	female	all maturity st	all shell condi	812.941961	1	-5.2361227
	2015	male	all maturity st	all shell condi	178.547284	1	17.3090101
	2015	female	all maturity st	all shell condi	297.29359	1	2.0815688
	2016	male	all maturity st	all shell condi	180.87791	1	-2.4479733
	2016	female	all maturity st	all shell condi	50.6610686	1	26.5725475
all		male	all maturity st	all shell condi	5.1049655	0	299.697737
all		female	all maturity st	all shell condi	2.15759323	0	53.5348983
all		male	all maturity st	all shell condi	2.26475307	1	58.9847243
all		female	all maturity st	all shell condi	2.23002186	1	57.189471
	1992	male	all maturity st	all shell condi	27.8892612	1	3.20633304
	1992	female	all maturity st	all shell condi	51.9895432	1	0.1555637
	1993	male	all maturity st	all shell condi	36.4308633	1	8.5060309
	1993	female	all maturity st	all shell condi	363.059867	1	0.28763284
	1996	male	all maturity st	all shell condi	17.3649021	1	0.32557953
	1996	female	all maturity st	all shell condi	3.91743226	1	0.02979549
	1997	male	all maturity st	all shell condi	17.09854	1	2.85060894
	1997	female	all maturity st	all shell condi	21.5528706	1	0.09460335
	1998	male	all maturity st	all shell condi	39.0521849	1	0.55082015
	1998	female	all maturity st	all shell condi	13.1394363	1	0.09340812
	1999	male	all maturity st	all shell condi	62.3072042	1	0.21861343
	1999	female	all maturity st	all shell condi	15.7870288	1	0.04954095
	2000	male	all maturity st	all shell condi	171.347742	1	0.53965477
	2000	female	all maturity st	all shell condi	26.7887878	1	0.12210617
	2001	male	all maturity st	all shell condi	178.464556	1	0.21388498
	2001	female	all maturity st	all shell condi	12.8153427	1	0.14378689
	2002	male	all maturity st	all shell condi	161.855821	1	0.28936292
	2002	female	all maturity st	all shell condi	14.4834789	1	0.16222832
	2003	male	all maturity st	all shell condi	142.092997	1	0.34766743
	2003	female	all maturity st	all shell condi	19.2741188	1	0.15428968
	2004	male	all maturity st	all shell condi	69.1119726	1	0.42293781
	2004	female	all maturity st	all shell condi	14.8035112	1	0.12210656
	2005	male	all maturity st	all shell condi	44.5942154	1	1.87971508
	2005	female	all maturity st	all shell condi	21.7567593	1	0.12887185
	2006	male	all maturity st	all shell condi	24.9381788	1	2.12801162
	2006	female	all maturity st	all shell condi	22.09869	1	0.33428555
	2007	male	all maturity st	all shell condi	85.4218451	1	1.50674376

2007	female	all maturity st	all shell condi	49.8511672	1	0.15461854
2008	male	all maturity st	all shell condi	67.6211816	1	3.23637336
2008	female	all maturity st	all shell condi	60.7559114	1	0.19649214
2009	male	all maturity st	all shell condi	28.7591715	1	5.23323855
2009	female	all maturity st	all shell condi	51.772295	1	0.08343634
2010	male	all maturity st	all shell condi	52.0556861	1	1.02788427
2010	female	all maturity st	all shell condi	27.0910696	1	0.07283486
2011	male	all maturity st	all shell condi	72.1914294	1	0.42320147
2011	female	all maturity st	all shell condi	4.63095777	1	0.02593722
2012	male	all maturity st	all shell condi	70.565787	1	0.77457553
2012	female	all maturity st	all shell condi	4.95791657	1	0.33849958
2013	male	all maturity st	all shell condi	50.4283957	1	2.471519
2013	female	all maturity st	all shell condi	6.83139304	1	0.26734269
2014	male	all maturity st	all shell condi	114.235088	1	1.84410458
2014	female	all maturity st	all shell condi	16.1601579	1	0.09229601
2015	male	all maturity st	all shell condi	131.414855	1	1.34012368
2015	female	all maturity st	all shell condi	66.8506207	1	0.08648868
2016	male	all maturity st	all shell condi	22.4248315	1	8.60920291
2016	female	all maturity st	all shell condi	39.9900314	1	0.27712755
2015	male	immature	new shell	0.40891996	5	81.3426848
2016	male	immature	new shell	0.40891996	5	96.5352102
2015	female	immature	new shell	0.2922778	5	69.8289969
2016	female	immature	new shell	0.2922778	5	62.0971294
1994	male	immature	new shell	0.46478093	0	11.3645639
1995	male	immature	new shell	0.46478093	0	27.6745899
1996	male	immature	new shell	0.46478093	0	308.929083
1997	male	immature	new shell	0.46478093	0	428.546333
1998	male	immature	new shell	0.46478093	0	457.726518
1999	male	immature	new shell	0.46478093	0	427.221491
2000	male	immature	new shell	0.46478093	0	656.597124
2001	male	immature	new shell	0.46478093	0	737.826118
2002	male	immature	new shell	0.46478093	0	725.95393
2003	male	immature	new shell	0.46478093	0	258.249322
2004	male	immature	new shell	0.46478093	0	163.497268
2005	male	immature	new shell	0.46478093	0	90.6236192
2006	male	immature	new shell	0.46478093	0	11.3272416
2011	male	immature	new shell	0.46478093	0	2.02348822
2012	male	immature	new shell	0.46478093	0	2.70710013
1994	female	immature	new shell	0.35693468	0	13.5693509
1995	female	immature	new shell	0.35693468	0	12.6582192
1996	female	immature	new shell	0.35693468	0	205.159432

	1997	female	immature	new shell	0.35693468	0	155.399322
	1998	female	immature	new shell	0.35693468	0	223.830039
	1999	female	immature	new shell	0.35693468	0	266.4837
	2000	female	immature	new shell	0.35693468	0	509.481362
	2001	female	immature	new shell	0.35693468	0	515.447872
	2002	female	immature	new shell	0.35693468	0	320.450827
	2003	female	immature	new shell	0.35693468	0	86.1967246
	2004	female	immature	new shell	0.35693468	0	85.0717346
	2005	female	immature	new shell	0.35693468	0	23.578174
	2006	female	immature	new shell	0.35693468	0	7.16319268
	2012	female	immature	new shell	0.35693468	0	2.29156713
	1990	male		new shell	1.69319555	5	41.5613686
	1991	male		new shell	1.69319555	5	59.6292098
	1992	male		new shell	1.69319555	5	17.6244357
	1993	male		new shell	1.69319555	5	20.9203796
	1994	male		new shell	1.69319555	5	18.5011936
	1995	male		new shell	1.69319555	5	11.3607816
	1997	male		new shell	1.69319555	5	11.8197619
	1998	male		new shell	1.69319555	5	19.0736325
	1999	male		new shell	1.69319555	5	14.7609621
	2000	male		new shell	1.69319555	5	18.7813791
	2001	male		new shell	1.69319555	5	24.0616308
	2002	male		new shell	1.69319555	5	15.2945847
	2003	male		new shell	1.69319555	5	9.47551118
	2004	male		new shell	1.69319555	5	16.7621736
	2005	male		new shell	1.69319555	5	52.8095207
	2008	male		new shell	1.69319555	5	36.364604
	2010	male		new shell	1.69319555	5	45.335982
	2012	male		new shell	1.69319555	5	17.6259675
	2014	male		new shell	1.69319555	5	16.0191642
	2016	male		new shell	1.69319555	5	37.3359985
	2017	male		new shell	1.69319555	5	12.4144781
all		male	immature	new shell	0.09975135	1	2067.50897
all		male	mature	new shell	0.09975135	1	2067.50897
all		male	immature	old shell	0.09975135	1	2067.50897
all		male	mature	old shell	0.09975135	1	2067.50897
all		female	immature	new shell	0.09975135	1	2067.50897
all		female	mature	new shell	0.09975135	1	2067.50897
all		female	immature	old shell	0.09975135	1	2067.50897
all		female	mature	old shell	0.09975135	1	2067.50897
all		male	immature	new shell	0.09975135	1	1457.71488

all		male	mature	new shell	0.09975135	1	1457.71488
all		male	immature	old shell	0.09975135	1	1457.71488
all		male	mature	old shell	0.09975135	1	1457.71488
all		female	immature	new shell	0.09975135	1	1457.71488
all		female	mature	new shell	0.09975135	1	1457.71488
all		female	immature	old shell	0.09975135	1	1457.71488
all		female	mature	old shell	0.09975135	1	1457.71488
all		male	immature	all shell condi	2.56741515	0	141.719841
all		male	mature	all shell condi	1.80476738	0	70.029484
all		female	immature	all shell condi	2.50585402	0	135.005044
all		female	mature	all shell condi	2.2123247	0	105.229182
all		male	mature	all shell condi	1.90490199	0	78.0160091
all		female	mature	all shell condi	2.0945724	0	94.3255209
	1975	male	immature	all shell condi	693.672393	0	1.2275783
	1975	male	mature	all shell condi	78.3680895	0	46.3112687
	1975	female	immature	all shell condi	231.360739	0	5.35262089
	1975	female	mature	all shell condi	127.022307	0	-11.077021
	1976	male	immature	all shell condi	272.083162	0	10.2614787
	1976	male	mature	all shell condi	245.464106	0	2.00893832
	1976	female	immature	all shell condi	83.1991662	0	22.983483
	1976	female	mature	all shell condi	202.254161	0	-6.7419475
	1977	male	immature	all shell condi	172.494	0	5.14037471
	1977	male	mature	all shell condi	251.612473	0	-7.3307776
	1977	female	immature	all shell condi	29.9883678	0	48.76533
	1977	female	mature	all shell condi	516.09459	0	-4.9733255
	1978	male	immature	all shell condi	300.4746	0	-3.5776197
	1978	male	mature	all shell condi	415.586726	0	4.70857669
	1978	female	immature	all shell condi	68.0281396	0	20.1909785
	1978	female	mature	all shell condi	1504.34135	0	0.28005298
	1979	male	immature	all shell condi	168.738295	0	9.40419242
	1979	male	mature	all shell condi	283.828956	0	-8.1060947
	1979	female	immature	all shell condi	340.904228	0	-3.1371478
	1979	female	mature	all shell condi	54.2793744	0	32.221553
	1980	male	immature	all shell condi	107.990924	0	22.952107
	1980	male	mature	all shell condi	129.272279	0	-15.355287
	1980	female	immature	all shell condi	858.752516	0	2.77664792
	1980	female	mature	all shell condi	36.3630331	0	31.7631171
	1981	male	immature	all shell condi	781.591352	0	2.06601894
	1981	male	mature	all shell condi	221.930934	0	-17.514802
	1981	female	immature	all shell condi	195.747418	0	-4.2512689
	1981	female	mature	all shell condi	17.6247748	0	78.841093

1982	male	immature	all shell condi	206.055775	0	-13.428347
1982	male	mature	all shell condi	240.63894	0	-15.835684
1982	female	immature	all shell condi	156.020732	0	-5.9554586
1982	female	mature	all shell condi	6.47733688	0	143.695552
1983	male	immature	all shell condi	95.7974513	0	14.1634319
1983	male	mature	all shell condi	361.932012	0	-9.0744473
1983	female	immature	all shell condi	64.6657596	0	20.8331222
1983	female	mature	all shell condi	122.339417	0	16.4760064
1984	male	immature	all shell condi	260.199818	0	-9.7334722
1984	male	mature	all shell condi	349.343607	0	9.86561937
1984	female	immature	all shell condi	174.203103	0	-1.8030423
1984	female	mature	all shell condi	87.1305657	0	27.239144
1985	male	immature	all shell condi	224.724728	0	-18.384399
1985	male	mature	all shell condi	104.862486	0	30.3295515
1985	female	immature	all shell condi	145.037145	0	-17.047412
1985	female	mature	all shell condi	62.7965246	0	37.8429741
1986	male	immature	all shell condi	215.370957	0	5.92223186
1986	male	mature	all shell condi	83.5623266	0	27.0257199
1986	female	immature	all shell condi	85.2141165	0	-7.3093375
1986	female	mature	all shell condi	234.177658	0	4.33838674
1987	male	immature	all shell condi	107.654334	0	5.5765817
1987	male	mature	all shell condi	668.514581	0	8.46625432
1987	female	immature	all shell condi	39.4829331	0	55.8391934
1987	female	mature	all shell condi	406.736864	0	-2.1425807
1988	male	immature	all shell condi	230.987244	0	-1.9964959
1988	male	mature	all shell condi	210.478024	0	19.0237383
1988	female	immature	all shell condi	132.368256	0	-10.92905
1988	female	mature	all shell condi	55.013153	0	29.6456593
1989	male	immature	all shell condi	184.938658	0	1.69604326
1989	male	mature	all shell condi	291.428331	0	12.1037585
1989	female	immature	all shell condi	142.780832	0	9.52493509
1989	female	mature	all shell condi	295.114763	0	1.11640559
1990	male	immature	all shell condi	321.389231	0	-7.6933519
1990	male	mature	all shell condi	397.438009	0	2.44885153
1990	female	immature	all shell condi	233.329753	0	3.05069231
1990	female	mature	all shell condi	123.834445	0	23.5042459
1991	male	immature	all shell condi	187.325152	0	1.27249251
1991	male	mature	all shell condi	434.724293	0	-3.9826743
1991	female	immature	all shell condi	114.821243	0	7.46626397
1991	female	mature	all shell condi	206.879267	0	21.6039033
1992	male	immature	all shell condi	418.17003	0	3.77980084

1992	male	mature	all shell condi	225.214369	0	4.32491499
1992	female	immature	all shell condi	226.999052	0	3.90646884
1992	female	mature	all shell condi	945.16963	0	8.15547378
1993	male	immature	all shell condi	707.217003	0	10.3101316
1993	male	mature	all shell condi	334.551749	0	2.29690912
1993	female	immature	all shell condi	484.029224	0	3.44774501
1993	female	mature	all shell condi	831.328079	0	-4.7793336
1994	male	immature	all shell condi	303.101519	0	7.12095868
1994	male	mature	all shell condi	448.682068	0	-5.7369465
1994	female	immature	all shell condi	87.9691905	0	17.6806154
1994	female	mature	all shell condi	2720.63226	0	-1.221324
1995	male	immature	all shell condi	266.192041	0	-8.8411005
1995	male	mature	all shell condi	423.465456	0	1.3089627
1995	female	immature	all shell condi	271.423219	0	-6.1590071
1995	female	mature	all shell condi	48.2653057	0	42.5110127
1996	male	immature	all shell condi	357.045403	0	-9.9103209
1996	male	mature	all shell condi	442.490199	0	7.67428232
1996	female	immature	all shell condi	224.552775	0	-6.5159283
1996	female	mature	all shell condi	73.5997893	0	30.5628006
1997	male	immature	all shell condi	202.146384	0	0.3489223
1997	male	mature	all shell condi	3746.61394	0	-2.407642
1997	female	immature	all shell condi	81.1055009	0	18.4306088
1997	female	mature	all shell condi	2254.37944	0	1.52755767
1998	male	immature	all shell condi	98.5961776	0	17.9258438
1998	male	mature	all shell condi	2104.44556	0	-2.5758099
1998	female	immature	all shell condi	161.22647	0	19.6517759
1998	female	mature	all shell condi	387.203731	0	-6.4489735
1999	male	immature	all shell condi	103.848943	0	12.4466901
1999	male	mature	all shell condi	1566.08917	0	0.37811591
1999	female	immature	all shell condi	88.8600485	0	13.6366441
1999	female	mature	all shell condi	760.625005	0	-1.9281068
2000	male	immature	all shell condi	128.819712	0	7.84832488
2000	male	mature	all shell condi	1258.51991	0	3.85877042
2000	female	immature	all shell condi	303.343603	0	3.37200975
2000	female	mature	all shell condi	436.210292	0	0.87499324
2001	male	immature	all shell condi	140.602694	0	15.2117103
2001	male	mature	all shell condi	622.434623	0	-6.3351717
2001	female	immature	all shell condi	137.558339	0	19.0992048
2001	female	mature	all shell condi	485.233804	0	-4.525608
2002	male	immature	all shell condi	121.672671	0	9.74812672
2002	male	mature	all shell condi	1494.98455	0	-3.5097266

2002	female	immature	all shell condi	95.7747892	0	19.1008743
2002	female	mature	all shell condi	1760.36514	0	-2.4609219
2003	male	immature	all shell condi	344.706159	0	3.06038705
2003	male	mature	all shell condi	3013.22664	0	1.65715703
2003	female	immature	all shell condi	278.387255	0	-4.7551237
2003	female	mature	all shell condi	149.369836	0	13.77808
2004	male	immature	all shell condi	111.503403	0	6.59561438
2004	male	mature	all shell condi	641.038395	0	9.86033031
2004	female	immature	all shell condi	78.4085955	0	18.6757607
2004	female	mature	all shell condi	510.159659	0	-2.8786949
2005	male	immature	all shell condi	188.324269	0	2.77721928
2005	male	mature	all shell condi	1554.73138	0	-3.945465
2005	female	immature	all shell condi	197.789074	0	21.0595299
2005	female	mature	all shell condi	4191.0102	0	-0.6617852
2006	male	immature	all shell condi	567.157417	0	6.06761926
2006	male	mature	all shell condi	1680.04594	0	-0.5071587
2006	female	immature	all shell condi	237.635839	0	12.0734744
2006	female	mature	all shell condi	972.163093	0	-3.9561165
2007	male	immature	all shell condi	236.500673	0	22.5282252
2007	male	mature	all shell condi	1127.27073	0	0.81768811
2007	female	immature	all shell condi	691.789746	0	2.27128587
2007	female	mature	all shell condi	271.926659	0	-8.954998
2008	male	immature	all shell condi	792.743354	0	10.3121693
2008	male	mature	all shell condi	1516.24793	0	-1.7784941
2008	female	immature	all shell condi	282.73689	0	8.66757874
2008	female	mature	all shell condi	931.120405	0	-4.1329488
2009	male	immature	all shell condi	204.063091	0	0.75017426
2009	male	mature	all shell condi	690.73176	0	6.19391951
2009	female	immature	all shell condi	125.428183	0	1.30118341
2009	female	mature	all shell condi	468.3946	0	7.06952145
2010	male	immature	all shell condi	304.11664	0	-1.7282135
2010	male	mature	all shell condi	332.209448	0	14.6494834
2010	female	immature	all shell condi	257.121185	0	-3.5945396
2010	female	mature	all shell condi	6899.27401	0	1.24093062
2011	male	immature	all shell condi	272.068585	0	8.32634831
2011	male	mature	all shell condi	2099.42269	0	1.60477545
2011	female	immature	all shell condi	192.421269	0	11.4335859
2011	female	mature	all shell condi	451.495789	0	-4.5009236
2012	male	immature	all shell condi	392.485872	0	11.8162443
2012	male	mature	all shell condi	2558.64953	0	0.04635086
2012	female	immature	all shell condi	299.252634	0	1.04405841

	2012	female	mature	all shell condi	750.066397	0	-1.2459234
	2013	male	immature	all shell condi	755.828326	0	5.92584137
	2013	male	mature	all shell condi	325.368253	0	5.48139197
	2013	female	immature	all shell condi	425.478982	0	0.80473435
	2013	female	mature	all shell condi	1705.33641	0	1.25029688
	2014	male	immature	all shell condi	255.804761	0	14.3727566
	2014	male	mature	all shell condi	620.69211	0	1.94516048
	2014	female	immature	all shell condi	66.4215262	0	21.7517345
	2014	female	mature	all shell condi	674.722565	0	-5.2304253
	2015	male	immature	all shell condi	623.475595	0	4.27753054
	2015	male	mature	all shell condi	571.592001	0	2.50402633
	2015	female	immature	all shell condi	365.876879	0	3.99658165
	2015	female	mature	all shell condi	250.364592	0	5.74955542
	2016	male	immature	all shell condi	552.28921	0	2.03729849
	2016	male	mature	all shell condi	167.498897	0	23.5646329
	2016	female	immature	all shell condi	359.221445	0	-1.0405808
	2016	female	mature	all shell condi	331.717076	0	-1.1045531
	2017	male	immature	all shell condi	71.1675853	0	2.25452134
	2017	male	mature	all shell condi	144.483061	0	24.9348724
	2017	female	immature	all shell condi	42.1072828	0	15.0736655
	2017	female	mature	all shell condi	325.524102	0	5.9901802
all		male	all maturity st	new shell	2.45650698	1	129.740171
all		male	all maturity st	old shell	3.3531963	1	241.744396
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
all		male	all maturity st	new shell	2.28697767	1	112.450737
all		male	all maturity st	old shell	2.67252879	1	153.561818
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
	1975	male	all maturity st	new shell	45.2132994	1	37.5454118
	1975	male	all maturity st	old shell	55.4091178	1	23.139926
	1976	male	all maturity st	new shell	94.8103918	1	15.1558419
	1976	male	all maturity st	old shell	28.7629434	1	43.959864
	1977	male	all maturity st	new shell	70.3104363	1	18.4893338
	1977	male	all maturity st	old shell	131.833555	1	12.064729
	1978	male	all maturity st	new shell	113.038789	1	12.3474157
	1978	male	all maturity st	old shell	92.8615365	1	14.976216
	1979	male	all maturity st	new shell	69.7842739	1	12.0988364
	1979	male	all maturity st	old shell	27.7694592	1	45.7846087
	1980	male	all maturity st	new shell	46.0415094	1	18.9803793
	1980	male	all maturity st	old shell	28.3577901	1	43.3243552

1981	male	all maturity st	new shell	78.3364441	1	15.3484511
1981	male	all maturity st	old shell	23.1077202	1	42.2736798
1982	male	all maturity st	new shell	85.4552684	1	15.4486664
1982	male	all maturity st	old shell	289.827429	1	5.9753241
1983	male	all maturity st	new shell	34.3520036	1	28.7008377
1983	male	all maturity st	old shell	91.1415525	1	15.0793859
1984	male	all maturity st	new shell	78.7183847	1	8.62472989
1984	male	all maturity st	old shell	58.9336862	1	20.0539787
1985	male	all maturity st	new shell	155.456436	1	10.4886821
1985	male	all maturity st	old shell	51.1150536	1	27.1435987
1986	male	all maturity st	new shell	66.8371883	1	14.7717105
1986	male	all maturity st	old shell	96.3411718	1	14.8391524
1987	male	all maturity st	new shell	45.2304444	1	16.9969574
1987	male	all maturity st	old shell	120.025558	1	15.541369
1988	male	all maturity st	new shell	72.4720459	1	16.3410431
1988	male	all maturity st	old shell	101.9691	1	18.1061242
1989	male	all maturity st	new shell	83.8225187	1	15.1798835
1989	male	all maturity st	old shell	196.118126	1	11.7055004
1990	male	all maturity st	new shell	174.818673	1	8.25601651
1990	male	all maturity st	old shell	75.5785697	1	18.5289026
1991	male	all maturity st	new shell	109.937831	1	11.9930536
1991	male	all maturity st	old shell	70.7338543	1	21.0610229
1992	male	all maturity st	new shell	133.923781	1	9.77655512
1992	male	all maturity st	old shell	52.0670825	1	20.443037
1993	male	all maturity st	new shell	377.699553	1	3.57026924
1993	male	all maturity st	old shell	87.8681389	1	10.628
1994	male	all maturity st	new shell	127.748708	1	8.89257076
1994	male	all maturity st	old shell	91.8936907	1	10.6924559
1995	male	all maturity st	new shell	94.2173249	1	11.7897307
1995	male	all maturity st	old shell	85.0482373	1	12.5208255
1996	male	all maturity st	new shell	149.422957	1	9.91133105
1996	male	all maturity st	old shell	84.2027908	1	11.6517802
1997	male	all maturity st	new shell	79.5394174	1	10.3913701
1997	male	all maturity st	old shell	312.136746	1	8.11791422
1998	male	all maturity st	new shell	53.6853906	1	17.2394737
1998	male	all maturity st	old shell	279.280974	1	8.00428832
1999	male	all maturity st	new shell	57.5788813	1	12.6140111
1999	male	all maturity st	old shell	110.096287	1	12.8394705
2000	male	all maturity st	new shell	72.059688	1	8.84311744
2000	male	all maturity st	old shell	122.437306	1	12.8181754
2001	male	all maturity st	new shell	65.5411306	1	14.3894624

	2001	male	all maturity st	old shell	156.817566	1	12.4478317
	2002	male	all maturity st	new shell	45.2945593	1	17.5192518
	2002	male	all maturity st	old shell	365.674684	1	7.41948001
	2003	male	all maturity st	new shell	142.584234	1	7.20192211
	2003	male	all maturity st	old shell	196.078704	1	10.9540442
	2004	male	all maturity st	new shell	54.3119548	1	15.9917564
	2004	male	all maturity st	old shell	73.5569738	1	25.5837229
	2005	male	all maturity st	new shell	82.4978902	1	12.8030362
	2005	male	all maturity st	old shell	320.62491	1	9.09266078
	2006	male	all maturity st	new shell	139.849142	1	9.42160831
	2006	male	all maturity st	old shell	198.657488	1	12.156467
	2007	male	all maturity st	new shell	207.204073	1	8.03926293
	2007	male	all maturity st	old shell	265.690308	1	12.4800979
	2008	male	all maturity st	new shell	621.135896	1	4.06493244
	2008	male	all maturity st	old shell	191.288459	1	11.1540681
	2009	male	all maturity st	new shell	85.517509	1	9.62117757
	2009	male	all maturity st	old shell	155.888762	1	8.97191021
	2010	male	all maturity st	new shell	92.0888396	1	12.1268543
	2010	male	all maturity st	old shell	227.012024	1	7.38469574
	2011	male	all maturity st	new shell	156.427279	1	6.00037679
	2011	male	all maturity st	old shell	147.225291	1	12.2272131
	2012	male	all maturity st	new shell	296.465205	1	3.00052418
	2012	male	all maturity st	old shell	95.6209592	1	14.1409028
	2013	male	all maturity st	new shell	167.024628	1	7.50908639
	2013	male	all maturity st	old shell	194.503828	1	11.2224962
	2014	male	all maturity st	new shell	163.522095	1	11.0019867
	2014	male	all maturity st	old shell	112.343889	1	11.2150336
	2015	male	all maturity st	new shell	285.690553	1	7.07522344
	2015	male	all maturity st	old shell	148.915742	1	9.2893534
	2016	male	all maturity st	new shell	232.105363	1	7.7395382
	2016	male	all maturity st	old shell	93.6156735	1	13.5236185
	2017	male	all maturity st	new shell	18.3913519	1	27.571515
	2017	male	all maturity st	old shell	87.6563444	1	13.6166359
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.50585402	1	135.005044
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.27956772	1	111.723223
all		female	mature	old shell	2.41214189	1	125.096213

all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.2663374	1	110.430132
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.23114528	1	107.027199
all		female	mature	old shell	2.26232973	1	110.03992
	1975	female	immature	new shell	26.3953804	1	15.1831391
	1975	female	mature	new shell	106.919401	1	3.21381078
	1975	female	mature	old shell	11.7705108	1	21.1968533
	1976	female	immature	new shell	30.3205625	1	11.4426284
	1976	female	mature	new shell	156.992582	1	2.78548268
	1976	female	mature	old shell	12.9725259	1	21.8117565
	1977	female	immature	new shell	30.4016638	1	9.99955915
	1977	female	mature	new shell	444.318511	1	2.30954238
	1977	female	mature	old shell	42.9009337	1	8.05734187
	1978	female	immature	new shell	24.8234717	1	10.8381473
	1978	female	mature	new shell	86.2850244	1	3.09527376
	1978	female	mature	old shell	85.7456531	1	3.77385754
	1979	female	immature	new shell	41.5638514	1	5.06693243
	1979	female	mature	new shell	23.844282	1	14.755681
	1979	female	mature	old shell	46.3475182	1	6.74623518
	1980	female	immature	new shell	124.83615	1	2.70797809
	1980	female	mature	new shell	9.37662073	1	24.0238409
	1980	female	mature	old shell	37.483584	1	6.76806044
	1981	female	immature	new shell	29.1493153	1	14.8616703
	1981	female	mature	new shell	8.12773527	1	40.0131305
	1981	female	mature	old shell	158.172078	1	4.12823896
	1982	female	immature	new shell	31.5407219	1	20.6784264
	1982	female	mature	new shell	7.78390877	1	30.5281597
	1982	female	mature	old shell	22.2516403	1	11.8967572
	1983	female	immature	new shell	22.6743876	1	13.4497324
	1983	female	mature	new shell	56.3543253	1	6.65903984
	1983	female	mature	old shell	63.4716089	1	4.17911603
	1984	female	immature	new shell	36.0483362	1	6.26464505
	1984	female	mature	new shell	28.246756	1	7.81416693
	1984	female	mature	old shell	220.597785	1	1.9121731
	1985	female	immature	new shell	168.785688	1	3.05762792
	1985	female	mature	new shell	12.8879855	1	35.9437037
	1985	female	mature	old shell	225.333224	1	2.16748904

1986	female	immature	new shell	38.7210735	1	9.71681604
1986	female	mature	new shell	8.21620855	1	29.8504783
1986	female	mature	old shell	37.0770851	1	8.33642973
1987	female	immature	new shell	14.5039265	1	44.2971517
1987	female	mature	new shell	37.8179654	1	10.373552
1987	female	mature	old shell	24.5678988	1	15.8333249
1988	female	immature	new shell	83.7246594	1	9.13569141
1988	female	mature	new shell	13.2759679	1	26.7390712
1988	female	mature	old shell	38.9651396	1	9.67955529
1989	female	immature	new shell	42.8891422	1	6.82826168
1989	female	mature	new shell	20.9916096	1	14.9541779
1989	female	mature	old shell	39.1919614	1	11.2345849
1990	female	immature	new shell	45.5742875	1	6.95782153
1990	female	mature	new shell	175.269462	1	2.03736359
1990	female	mature	old shell	32.2873411	1	12.0394126
1991	female	immature	new shell	15.6388504	1	20.0192919
1991	female	mature	new shell	96.9296243	1	2.93069133
1991	female	mature	old shell	131.924349	1	3.55547604
1992	female	immature	new shell	20.9769427	1	19.2163654
1992	female	mature	new shell	54.6700749	1	6.79338061
1992	female	mature	old shell	186.030686	1	2.25695759
1993	female	immature	new shell	47.8464805	1	9.52579116
1993	female	mature	new shell	25.2257013	1	10.6518799
1993	female	mature	old shell	259.046997	1	1.24314757
1994	female	immature	new shell	30.7945405	1	10.8083957
1994	female	mature	new shell	33.8198202	1	11.3514073
1994	female	mature	old shell	556.425942	1	0.95848378
1995	female	immature	new shell	77.6289745	1	6.75078457
1995	female	mature	new shell	27.5461666	1	14.1480981
1995	female	mature	old shell	604.432618	1	0.55279612
1996	female	immature	new shell	73.6498772	1	6.98521912
1996	female	mature	new shell	27.3534798	1	10.8172723
1996	female	mature	old shell	293.183234	1	1.23329009
1997	female	immature	new shell	36.5234622	1	7.21209732
1997	female	mature	new shell	113.732814	1	3.18766719
1997	female	mature	old shell	219.730355	1	2.12732836
1998	female	immature	new shell	80.637735	1	5.56646506
1998	female	mature	new shell	61.1337114	1	6.35595762
1998	female	mature	old shell	239.277081	1	2.84980975
1999	female	immature	new shell	32.9420399	1	8.61069578
1999	female	mature	new shell	21.0464294	1	11.3439648

1999	female	mature	old shell	142.128287	1	2.52320266
2000	female	immature	new shell	93.2165195	1	2.6785227
2000	female	mature	new shell	56.2455724	1	4.91194797
2000	female	mature	old shell	31.0746304	1	11.0923467
2001	female	immature	new shell	95.2732698	1	3.3089503
2001	female	mature	new shell	120.474368	1	5.85623491
2001	female	mature	old shell	60.9815694	1	4.75791122
2002	female	immature	new shell	49.8237501	1	5.42593564
2002	female	mature	new shell	37.6003116	1	8.69355939
2002	female	mature	old shell	95.7907443	1	2.93349416
2003	female	immature	new shell	84.7468843	1	3.83408106
2003	female	mature	new shell	90.9356328	1	3.74674042
2003	female	mature	old shell	44.0387048	1	9.60322572
2004	female	immature	new shell	30.0403824	1	11.4544041
2004	female	mature	new shell	260.38192	1	1.08221339
2004	female	mature	old shell	40.2741444	1	10.7689456
2005	female	immature	new shell	275.141051	1	2.27534545
2005	female	mature	new shell	118.532794	1	4.10374473
2005	female	mature	old shell	267.931481	1	2.85547979
2006	female	immature	new shell	66.6641501	1	5.74784786
2006	female	mature	new shell	350.290562	1	1.86811179
2006	female	mature	old shell	128.757931	1	3.49317144
2007	female	immature	new shell	113.253355	1	3.79836557
2007	female	mature	new shell	70.818296	1	6.29228247
2007	female	mature	old shell	812.332266	1	0.71324455
2008	female	immature	new shell	41.6204824	1	12.4241465
2008	female	mature	new shell	91.9596644	1	5.0992028
2008	female	mature	old shell	424.564736	1	1.40213623
2009	female	immature	new shell	33.5678649	1	7.14056307
2009	female	mature	new shell	33.426515	1	6.46075757
2009	female	mature	old shell	325.279095	1	1.07863756
2010	female	immature	new shell	98.5465071	1	3.05212868
2010	female	mature	new shell	157.307206	1	2.45643607
2010	female	mature	old shell	708.031494	1	1.06577772
2011	female	immature	new shell	62.5070119	1	5.93469893
2011	female	mature	new shell	41.398739	1	5.76178437
2011	female	mature	old shell	272.215503	1	2.26253793
2012	female	immature	new shell	74.7123898	1	5.31748957
2012	female	mature	new shell	44.7431071	1	5.4262168
2012	female	mature	old shell	239.954965	1	1.57310287
2013	female	immature	new shell	79.8966945	1	6.45495706

	2013	female	mature	new shell	348.106332	1	0.97741463
	2013	female	mature	old shell	62.9175919	1	4.9430249
	2014	female	immature	new shell	11.8925134	1	34.4133152
	2014	female	mature	new shell	52.4532955	1	4.18955873
	2014	female	mature	old shell	88.7437756	1	3.95555965
	2015	female	immature	new shell	47.7298058	1	9.0957735
	2015	female	mature	new shell	22.0111675	1	11.0911904
	2015	female	mature	old shell	90.877715	1	3.70162816
	2016	female	immature	new shell	43.6629509	1	10.3488763
	2016	female	mature	new shell	64.3205408	1	8.36219575
	2016	female	mature	old shell	44.04529	1	6.23082145
	2017	female	immature	new shell	9.61498989	1	22.820525
	2017	female	mature	new shell	23.1324581	1	19.2275606
	2017	female	mature	old shell	70.2661086	1	3.28645652
all		male	all maturity st	all shell condi	3.64050491	0	251.812244
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	1.13245221	1	24.3665122
all		female	all maturity st	all shell condi	0	1	0
	1980	male	all maturity st	all shell condi	22.2351072	1	14.3798025
	1981	male	all maturity st	all shell condi	234.953775	1	1.84315961
	1982	male	all maturity st	all shell condi	159.386248	1	4.73440085
	1983	male	all maturity st	all shell condi	60.7354919	1	1.54466555
	1984	male	all maturity st	all shell condi	148.958521	1	1.41196728
	1988	male	all maturity st	all shell condi	41.1965021	1	11.9773559
	1989	male	all maturity st	all shell condi	116.534226	1	1.64820657
	1990	male	all maturity st	all shell condi	47.5338143	1	14.019475
	1991	male	all maturity st	all shell condi	857.772269	1	1.987279
	1992	male	all maturity st	all shell condi	101.690991	1	16.146138
	1993	male	all maturity st	all shell condi	163.942475	1	9.76618107
	1994	male	all maturity st	all shell condi	126.378388	1	15.9150284
	1995	male	all maturity st	all shell condi	93.6011998	1	1.20237537
	1996	male	all maturity st	all shell condi	112.124009	1	2.8790988
	2005	male	all maturity st	all shell condi	9.86715131	1	2.10261024
	2006	male	all maturity st	all shell condi	194.366847	1	1.39024688
	2007	male	all maturity st	all shell condi	156.665903	1	3.18994079
	2008	male	all maturity st	all shell condi	143.040296	1	2.14001325
	2009	male	all maturity st	all shell condi	33.4411941	1	2.22148995
	2013	male	all maturity st	all shell condi	159.615969	1	1.3314264
	2014	male	all maturity st	all shell condi	234.460296	1	3.77007782
	2015	male	all maturity st	all shell condi	189.747011	1	9.12781745
all		male	all maturity st	all shell condi	1.86559404	1	22.6228674

all		female	all maturity st	all shell condi	7.34147733	1	350.332381
	1991	male	all maturity st	all shell condi	1076.26724	1	1.71197905
	1991	female	all maturity st	all shell condi	250.539328	1	1.56178656
	1992	male	all maturity st	all shell condi	339.695341	1	13.2157677
	1992	female	all maturity st	all shell condi	1065.81414	1	0.34937805
	1993	male	all maturity st	all shell condi	251.298872	1	11.8930193
	1993	female	all maturity st	all shell condi	398.890461	1	0.62122904
	1994	male	all maturity st	all shell condi	809.812261	1	1.46445815
	1994	female	all maturity st	all shell condi	66.0740767	1	1.42911388
	1995	male	all maturity st	all shell condi	86.9380983	1	3.18086185
	1995	female	all maturity st	all shell condi	98.1009552	1	1.07385871
	1996	male	all maturity st	all shell condi	14.1729144	1	3.04612583
	1996	female	all maturity st	all shell condi	158.605757	1	0.07273679
	2005	male	all maturity st	all shell condi	127.177725	1	17.2914319
	2005	female	all maturity st	all shell condi	42.0402468	1	0.99730464
	2006	male	all maturity st	all shell condi	250.206438	1	7.29479833
	2006	female	all maturity st	all shell condi	290.09116	1	0.90791137
	2007	male	all maturity st	all shell condi	283.02437	1	7.1126489
	2007	female	all maturity st	all shell condi	313.682876	1	0.38979379
	2008	male	all maturity st	all shell condi	453.163781	1	9.57574399
	2008	female	all maturity st	all shell condi	42.5792763	1	0.35084936
	2009	male	all maturity st	all shell condi	59.4338382	1	12.9565992
	2009	female	all maturity st	all shell condi	25.8126031	1	0.16259584
	2013	male	all maturity st	all shell condi	891.024544	1	2.24833375
	2013	female	all maturity st	all shell condi	65.6802271	1	0.52125194
	2014	male	all maturity st	all shell condi	335.260423	1	9.40100964
	2014	female	all maturity st	all shell condi	163.119399	1	0.27046574
	2015	male	all maturity st	all shell condi	188.725676	1	12.6206107
	2015	female	all maturity st	all shell condi	77.672967	1	1.17885468
all		male	all maturity st	all shell condi	5.09237953	0	324.154116
all		female	all maturity st	all shell condi	4.64686598	0	269.917043
all		male	all maturity st	all shell condi	2.06721265	1	53.4171017
all		female	all maturity st	all shell condi	2.04854182	1	52.4565451
	1992	male	all maturity st	all shell condi	66.8119439	1	8.03367864
	1992	female	all maturity st	all shell condi	12.5003858	1	1.60799749
	1993	male	all maturity st	all shell condi	68.253596	1	4.66022887
	1993	female	all maturity st	all shell condi	22.1961826	1	1.67237575
	1994	male	all maturity st	all shell condi	391.354838	1	0.37667501
	1994	female	all maturity st	all shell condi	53.3627129	1	1.38299051
	1995	male	all maturity st	all shell condi	52.3597366	1	1.5011965
	1995	female	all maturity st	all shell condi	28.4296827	1	0.40683495

1996	male	all maturity st	all shell condi	20.7087405	1	9.81104094
1996	female	all maturity st	all shell condi	20.5897652	1	0.97704029
1997	male	all maturity st	all shell condi	455.787894	1	0.72176841
1997	female	all maturity st	all shell condi	138.507681	1	0.17572523
1998	male	all maturity st	all shell condi	339.329166	1	0.42429016
1998	female	all maturity st	all shell condi	20.8061252	1	0.33530183
1999	male	all maturity st	all shell condi	209.669532	1	0.3032146
1999	female	all maturity st	all shell condi	31.8338075	1	0.06557319
2000	male	all maturity st	all shell condi	234.734855	1	0.31877312
2000	female	all maturity st	all shell condi	39.5932118	1	0.08218926
2001	male	all maturity st	all shell condi	477.81475	1	0.34939707
2001	female	all maturity st	all shell condi	177.59078	1	0.05012469
2002	male	all maturity st	all shell condi	48.8335076	1	0.96655893
2002	female	all maturity st	all shell condi	56.7253598	1	0.0598266
2003	male	all maturity st	all shell condi	94.540012	1	0.4358063
2003	female	all maturity st	all shell condi	54.2286231	1	0.08953469
2004	male	all maturity st	all shell condi	19.9222614	1	2.09708997
2004	female	all maturity st	all shell condi	33.4524814	1	0.86279939
2005	male	all maturity st	all shell condi	121.108572	1	4.41458065
2005	female	all maturity st	all shell condi	35.132034	1	0.57104261
2006	male	all maturity st	all shell condi	65.8529831	1	6.71955927
2006	female	all maturity st	all shell condi	25.0671054	1	2.59817631
2007	male	all maturity st	all shell condi	301.287857	1	2.65434359
2007	female	all maturity st	all shell condi	28.1392543	1	0.98875801
2008	male	all maturity st	all shell condi	85.2278647	1	7.76028524
2008	female	all maturity st	all shell condi	13.1708627	1	2.46119752
2009	male	all maturity st	all shell condi	356.662028	1	2.57343657
2009	female	all maturity st	all shell condi	14.4845573	1	1.5229796
2010	male	all maturity st	all shell condi	272.771122	1	1.75918268
2010	female	all maturity st	all shell condi	21.386299	1	0.6824252
2011	male	all maturity st	all shell condi	139.902127	1	4.27367585
2011	female	all maturity st	all shell condi	19.1253405	1	0.56148135
2012	male	all maturity st	all shell condi	126.947772	1	3.64864762
2012	female	all maturity st	all shell condi	22.5442973	1	0.42213736
2013	male	all maturity st	all shell condi	248.789813	1	2.49943051
2013	female	all maturity st	all shell condi	136.530819	1	0.22921067
2014	male	all maturity st	all shell condi	331.714074	1	3.94566544
2014	female	all maturity st	all shell condi	26.6734906	1	1.17007259
2015	male	all maturity st	all shell condi	399.107356	1	2.28486444
2015	female	all maturity st	all shell condi	55.7641988	1	0.2276859
2016	male	all maturity st	all shell condi	305.79637	1	3.08386349

	2016	female	all maturity st	all shell condi	51.0400824	1	0.25220435
all		all sexes	all maturity st	all shell condi	1.41618113	0	26.0723968
all		all sexes	all maturity st	all shell condi	0.17438901	1	0.66905356
	1973	male	all maturity st	all shell condi	496.180463	1	-1.1462918
	1973	female	all maturity st	all shell condi	426.537052	1	3.21960808
	1974	male	all maturity st	all shell condi	111.009341	1	1.70551354
	1974	female	all maturity st	all shell condi	279.992509	1	2.15814293
	1975	male	all maturity st	all shell condi	88.0506411	1	0.9676057
	1975	female	all maturity st	all shell condi	180.493388	1	1.69067952
	1976	male	all maturity st	all shell condi	83.3558635	1	0.2036074
	1976	female	all maturity st	all shell condi	162.936833	1	17.6008316
	1977	male	all maturity st	all shell condi	264.905172	1	-1.2460125
	1977	female	all maturity st	all shell condi	364.287599	1	10.587206
	1978	male	all maturity st	all shell condi	270.757825	1	-1.219496
	1978	female	all maturity st	all shell condi	177.983929	1	18.3939716
	1979	male	all maturity st	all shell condi	869.676476	1	-4.8447347
	1979	female	all maturity st	all shell condi	485.008104	1	11.0041026
	1980	male	all maturity st	all shell condi	583.288232	1	3.47224297
	1980	female	all maturity st	all shell condi	1045.34929	1	1.7256604
	1981	male	all maturity st	all shell condi	397.755703	1	-4.1882404
	1981	female	all maturity st	all shell condi	66.1038783	1	13.2309924
	1982	male	all maturity st	all shell condi	265.90068	1	5.1766171
	1982	female	all maturity st	all shell condi	72.8615664	1	21.7360667
	1983	male	all maturity st	all shell condi	405.343095	1	21.247875
	1983	female	all maturity st	all shell condi	218.411667	1	-6.3115156
	1984	male	all maturity st	all shell condi	687.134562	1	26.477069
	1984	female	all maturity st	all shell condi	454.607102	1	-14.873324
	1985	male	all maturity st	all shell condi	277.426966	1	18.5629224
	1985	female	all maturity st	all shell condi	262.967586	1	-3.3903179
	1986	male	all maturity st	all shell condi	177.553477	1	17.7773167
	1986	female	all maturity st	all shell condi	99.8396316	1	4.31019062
	1987	male	all maturity st	all shell condi	249.136468	1	19.2962133
	1987	female	all maturity st	all shell condi	513.634804	1	1.86099208
	1988	male	all maturity st	all shell condi	287.427886	1	6.54882582
	1988	female	all maturity st	all shell condi	209.967398	1	9.10725248
	1989	male	all maturity st	all shell condi	364.791728	1	1.52175318
	1989	female	all maturity st	all shell condi	796.927439	1	14.5405608
	1990	male	all maturity st	all shell condi	649.343942	1	15.6151669
	1990	female	all maturity st	all shell condi	282.611819	1	-5.0202175
	1991	male	all maturity st	all shell condi	231.40081	1	0.81250404
	1991	female	all maturity st	all shell condi	150.482109	1	8.85999782

1992	male	all maturity st	all shell condi	142.003413	1	5.48926906
1992	female	all maturity st	all shell condi	71.7697532	1	3.95347331
1993	male	all maturity st	all shell condi	74.1483974	1	3.74954432
1993	female	all maturity st	all shell condi	168.584983	1	-0.257967
1994	male	all maturity st	all shell condi	312.048532	1	0.88585006
1994	female	all maturity st	all shell condi	235.058494	1	3.37022831
1995	male	all maturity st	all shell condi	56.1218714	1	11.8429594
1995	female	all maturity st	all shell condi	69.5643891	1	6.15450539
1996	male	all maturity st	all shell condi	184.570303	1	10.4082586
1996	female	all maturity st	all shell condi	377.487362	1	-0.7427056
1997	male	all maturity st	all shell condi	63.3958999	1	16.8858596
1997	female	all maturity st	all shell condi	203.298941	1	6.55158821
1998	male	all maturity st	all shell condi	177.094914	1	5.19337853
1998	female	all maturity st	all shell condi	270.590278	1	8.67493571
1999	male	all maturity st	all shell condi	398.656488	1	4.18721798
1999	female	all maturity st	all shell condi	1156.25726	1	3.3597876
2000	male	all maturity st	all shell condi	361.768561	1	5.23626927
2000	female	all maturity st	all shell condi	938.933956	1	0.64700689
2001	male	all maturity st	all shell condi	612.502874	1	8.26980916
2001	female	all maturity st	all shell condi	1262.6526	1	-3.2183236
2002	male	all maturity st	all shell condi	482.48147	1	9.49209763
2002	female	all maturity st	all shell condi	966.900114	1	-0.5663725
2003	male	all maturity st	all shell condi	188.897239	1	5.32459681
2003	female	all maturity st	all shell condi	275.27151	1	5.01223052
2004	male	all maturity st	all shell condi	123.930137	1	-3.2716005
2004	female	all maturity st	all shell condi	35.3276889	1	35.8897307
2005	male	all maturity st	all shell condi	847.331566	1	6.07866876
2005	female	all maturity st	all shell condi	2382.45807	1	-0.7488826
2006	male	all maturity st	all shell condi	176.840655	1	13.7686485
2006	female	all maturity st	all shell condi	151.276384	1	2.38359276
2007	male	all maturity st	all shell condi	175.059123	1	10.4150431
2007	female	all maturity st	all shell condi	97.7290893	1	8.75543759
2008	male	all maturity st	all shell condi	162.927314	1	26.0349625
2008	female	all maturity st	all shell condi	214.346992	1	-8.237696
2009	male	all maturity st	all shell condi	314.516209	1	12.4446915
2009	female	all maturity st	all shell condi	764.637062	1	-6.1210538
2010	male	all maturity st	all shell condi	381.033614	1	7.62011315
2010	female	all maturity st	all shell condi	2022.60561	1	-2.5825044
2011	male	all maturity st	all shell condi	91.6867244	1	11.1638925
2011	female	all maturity st	all shell condi	88.5186081	1	17.148091
2012	male	all maturity st	all shell condi	281.186324	1	-5.1171778

	2012	female	all maturity st	all shell condi	159.664846	1	11.5265343
	2013	male	all maturity st	all shell condi	223.751035	1	4.06633384
	2013	female	all maturity st	all shell condi	603.186125	1	8.99914238
	2014	male	all maturity st	all shell condi	916.754482	1	9.61852481
	2014	female	all maturity st	all shell condi	851.769191	1	-5.2811437
	2015	male	all maturity st	all shell condi	189.548592	1	15.6440587
	2015	female	all maturity st	all shell condi	276.265554	1	3.57092939
	2016	male	all maturity st	all shell condi	191.013848	1	-3.7899902
	2016	female	all maturity st	all shell condi	45.1773701	1	28.7792218
all		male	all maturity st	all shell condi	5.11182435	0	300.503604
all		female	all maturity st	all shell condi	2.19017995	0	55.1642145
all		male	all maturity st	all shell condi	2.22512764	1	56.9387196
all		female	all maturity st	all shell condi	2.19611363	1	55.4635235
	1992	male	all maturity st	all shell condi	37.1743708	1	2.50863977
	1992	female	all maturity st	all shell condi	68.0580761	1	0.14124963
	1993	male	all maturity st	all shell condi	49.2612332	1	6.5833246
	1993	female	all maturity st	all shell condi	346.646075	1	0.25126701
	1996	male	all maturity st	all shell condi	21.2865706	1	0.28200288
	1996	female	all maturity st	all shell condi	3.64960708	1	0.03038036
	1997	male	all maturity st	all shell condi	20.2699624	1	2.38093314
	1997	female	all maturity st	all shell condi	24.6093813	1	0.0889176
	1998	male	all maturity st	all shell condi	45.401998	1	0.48061451
	1998	female	all maturity st	all shell condi	13.1220679	1	0.09505689
	1999	male	all maturity st	all shell condi	63.9510421	1	0.22249817
	1999	female	all maturity st	all shell condi	15.412448	1	0.05030602
	2000	male	all maturity st	all shell condi	185.960176	1	0.52514399
	2000	female	all maturity st	all shell condi	26.9116466	1	0.1189345
	2001	male	all maturity st	all shell condi	162.329238	1	0.22368884
	2001	female	all maturity st	all shell condi	13.279633	1	0.14065
	2002	male	all maturity st	all shell condi	156.888061	1	0.29733778
	2002	female	all maturity st	all shell condi	14.9920739	1	0.15622234
	2003	male	all maturity st	all shell condi	133.981276	1	0.35854532
	2003	female	all maturity st	all shell condi	20.3274313	1	0.14707269
	2004	male	all maturity st	all shell condi	69.2408343	1	0.41790135
	2004	female	all maturity st	all shell condi	14.9506068	1	0.12096207
	2005	male	all maturity st	all shell condi	46.3083524	1	1.81618771
	2005	female	all maturity st	all shell condi	19.2384665	1	0.13409978
	2006	male	all maturity st	all shell condi	25.8097074	1	2.04857512
	2006	female	all maturity st	all shell condi	24.3651345	1	0.29636935
	2007	male	all maturity st	all shell condi	91.2079068	1	1.42081022
	2007	female	all maturity st	all shell condi	64.3614362	1	0.12795593

2008	male	all maturity st	all shell condi	67.9144386	1	3.23774172
2008	female	all maturity st	all shell condi	82.9918817	1	0.15076039
2009	male	all maturity st	all shell condi	28.9603771	1	5.19492736
2009	female	all maturity st	all shell condi	82.4409798	1	0.06227917
2010	male	all maturity st	all shell condi	50.8793755	1	1.05637662
2010	female	all maturity st	all shell condi	30.9178507	1	0.06170884
2011	male	all maturity st	all shell condi	72.1771567	1	0.4327964
2011	female	all maturity st	all shell condi	4.72548634	1	0.02568029
2012	male	all maturity st	all shell condi	84.6683174	1	0.67870339
2012	female	all maturity st	all shell condi	5.35188296	1	0.30510109
2013	male	all maturity st	all shell condi	51.6355691	1	2.40388996
2013	female	all maturity st	all shell condi	7.79376498	1	0.23084133
2014	male	all maturity st	all shell condi	112.90027	1	1.88859092
2014	female	all maturity st	all shell condi	18.7449772	1	0.08303143
2015	male	all maturity st	all shell condi	130.635417	1	1.36118365
2015	female	all maturity st	all shell condi	91.5598201	1	0.07297397
2016	male	all maturity st	all shell condi	22.1917424	1	8.73993667
2016	female	all maturity st	all shell condi	28.9115296	1	0.37057701
2015	male	immature	new shell	0.42389366	5	81.9948505
2016	male	immature	new shell	0.42389366	5	97.6241766
2015	female	immature	new shell	0.30550699	5	69.8116885
2016	female	immature	new shell	0.30550699	5	63.5552324
1994	male	immature	new shell	0.4749526	0	11.4488138
1995	male	immature	new shell	0.4749526	0	27.8115372
1996	male	immature	new shell	0.4749526	0	309.977811
1997	male	immature	new shell	0.4749526	0	432.997142
1998	male	immature	new shell	0.4749526	0	463.644437
1999	male	immature	new shell	0.4749526	0	426.82523
2000	male	immature	new shell	0.4749526	0	656.343042
2001	male	immature	new shell	0.4749526	0	743.913738
2002	male	immature	new shell	0.4749526	0	733.394641
2003	male	immature	new shell	0.4749526	0	260.703752
2004	male	immature	new shell	0.4749526	0	164.081142
2005	male	immature	new shell	0.4749526	0	91.7132742
2006	male	immature	new shell	0.4749526	0	11.4475412
2011	male	immature	new shell	0.4749526	0	2.00544135
2012	male	immature	new shell	0.4749526	0	2.73738719
1994	female	immature	new shell	0.33672072	0	13.2823434
1995	female	immature	new shell	0.33672072	0	12.2896728
1996	female	immature	new shell	0.33672072	0	203.594183
1997	female	immature	new shell	0.33672072	0	153.737018

	1998	female	immature	new shell	0.33672072	0	226.078716
	1999	female	immature	new shell	0.33672072	0	261.697281
	2000	female	immature	new shell	0.33672072	0	500.767195
	2001	female	immature	new shell	0.33672072	0	510.712712
	2002	female	immature	new shell	0.33672072	0	317.732484
	2003	female	immature	new shell	0.33672072	0	86.5108694
	2004	female	immature	new shell	0.33672072	0	82.6284904
	2005	female	immature	new shell	0.33672072	0	23.5539795
	2006	female	immature	new shell	0.33672072	0	7.16765037
	2012	female	immature	new shell	0.33672072	0	2.29321656
	1990	male		new shell	1.7708479	5	42.8791535
	1991	male		new shell	1.7708479	5	62.1606707
	1992	male		new shell	1.7708479	5	16.8386075
	1993	male		new shell	1.7708479	5	21.2033385
	1994	male		new shell	1.7708479	5	18.1464537
	1995	male		new shell	1.7708479	5	11.0298306
	1997	male		new shell	1.7708479	5	11.9238987
	1998	male		new shell	1.7708479	5	17.7229944
	1999	male		new shell	1.7708479	5	14.8096857
	2000	male		new shell	1.7708479	5	18.831565
	2001	male		new shell	1.7708479	5	24.6155829
	2002	male		new shell	1.7708479	5	14.9959444
	2003	male		new shell	1.7708479	5	9.18574427
	2004	male		new shell	1.7708479	5	16.9734186
	2005	male		new shell	1.7708479	5	51.1636521
	2008	male		new shell	1.7708479	5	36.5013446
	2010	male		new shell	1.7708479	5	46.5199299
	2012	male		new shell	1.7708479	5	18.4257404
	2014	male		new shell	1.7708479	5	15.40349
	2016	male		new shell	1.7708479	5	36.3666896
	2017	male		new shell	1.7708479	5	12.324148
all		male	immature	new shell	0.09975135	1	2042.25273
all		male	mature	new shell	0.09975135	1	2042.25273
all		male	immature	old shell	0.09975135	1	2042.25273
all		male	mature	old shell	0.09975135	1	2042.25273
all		female	immature	new shell	0.09975135	1	2042.25273
all		female	mature	new shell	0.09975135	1	2042.25273
all		female	immature	old shell	0.09975135	1	2042.25273
all		female	mature	old shell	0.09975135	1	2042.25273
all		male	immature	new shell	0.09975135	1	1343.82217
all		male	mature	new shell	0.09975135	1	1343.82217

all		male	immature	old shell	0.09975135	1	1343.82217
all		male	mature	old shell	0.09975135	1	1343.82217
all		female	immature	new shell	0.09975135	1	1343.82217
all		female	mature	new shell	0.09975135	1	1343.82217
all		female	immature	old shell	0.09975135	1	1343.82217
all		female	mature	old shell	0.09975135	1	1343.82217
all		male	immature	all shell condi	2.63722501	0	149.531549
all		male	mature	all shell condi	1.80264701	0	69.8650293
all		female	immature	all shell condi	2.54764949	0	139.546135
all		female	mature	all shell condi	2.25093783	0	108.934504
all		male	mature	all shell condi	1.94315337	0	81.1806678
all		female	mature	all shell condi	2.13418984	0	97.9274753
	1975	male	immature	all shell condi	657.467398	0	1.06069116
	1975	male	mature	all shell condi	86.0556903	0	44.0303854
	1975	female	immature	all shell condi	230.549367	0	4.64886444
	1975	female	mature	all shell condi	131.754148	0	-10.765558
	1976	male	immature	all shell condi	264.488909	0	10.3812087
	1976	male	mature	all shell condi	280.940969	0	1.2732912
	1976	female	immature	all shell condi	87.2669568	0	22.0493064
	1976	female	mature	all shell condi	214.625785	0	-6.1844158
	1977	male	immature	all shell condi	170.598841	0	4.95942274
	1977	male	mature	all shell condi	255.278709	0	-7.3601484
	1977	female	immature	all shell condi	31.8953194	0	46.793872
	1977	female	mature	all shell condi	583.799309	0	-3.633673
	1978	male	immature	all shell condi	292.009974	0	-3.373012
	1978	male	mature	all shell condi	424.443547	0	4.30841428
	1978	female	immature	all shell condi	71.1342681	0	19.160558
	1978	female	mature	all shell condi	1342.54327	0	1.60579904
	1979	male	immature	all shell condi	170.822703	0	9.3872863
	1979	male	mature	all shell condi	269.692796	0	-8.3101835
	1979	female	immature	all shell condi	339.479805	0	-3.641669
	1979	female	mature	all shell condi	51.6739147	0	33.4351661
	1980	male	immature	all shell condi	108.625792	0	22.8998523
	1980	male	mature	all shell condi	124.589237	0	-15.299002
	1980	female	immature	all shell condi	925.096554	0	2.30585846
	1980	female	mature	all shell condi	35.6180245	0	32.5672547
	1981	male	immature	all shell condi	772.607224	0	1.7842301
	1981	male	mature	all shell condi	209.875468	0	-17.784911
	1981	female	immature	all shell condi	191.419827	0	-4.3099577
	1981	female	mature	all shell condi	17.2492468	0	80.0563611
	1982	male	immature	all shell condi	211.681913	0	-13.365539

1982	male	mature	all shell condi	227.857437	0	-16.253506
1982	female	immature	all shell condi	152.33751	0	-6.1046482
1982	female	mature	all shell condi	6.39541923	0	144.984437
1983	male	immature	all shell condi	97.4896838	0	14.2155815
1983	male	mature	all shell condi	340.155987	0	-9.7253689
1983	female	immature	all shell condi	67.2995187	0	20.0098819
1983	female	mature	all shell condi	115.652762	0	17.1987133
1984	male	immature	all shell condi	274.713923	0	-9.5764203
1984	male	mature	all shell condi	358.658614	0	9.50088283
1984	female	immature	all shell condi	171.092947	0	-2.8829745
1984	female	mature	all shell condi	80.5374406	0	28.3721545
1985	male	immature	all shell condi	232.845599	0	-17.842769
1985	male	mature	all shell condi	105.084938	0	30.2754031
1985	female	immature	all shell condi	134.935384	0	-17.877227
1985	female	mature	all shell condi	59.9611451	0	38.5386695
1986	male	immature	all shell condi	214.354498	0	6.86752636
1986	male	mature	all shell condi	80.7353673	0	27.4817353
1986	female	immature	all shell condi	81.2197934	0	-8.2323579
1986	female	mature	all shell condi	233.929359	0	4.4933677
1987	male	immature	all shell condi	107.535365	0	6.60628772
1987	male	mature	all shell condi	647.388206	0	8.72028165
1987	female	immature	all shell condi	39.2697099	0	54.541138
1987	female	mature	all shell condi	408.781904	0	-2.1667557
1988	male	immature	all shell condi	257.611604	0	-1.4243766
1988	male	mature	all shell condi	242.623153	0	17.4809721
1988	female	immature	all shell condi	147.075326	0	-11.124943
1988	female	mature	all shell condi	62.0926377	0	27.560989
1989	male	immature	all shell condi	148.782119	0	5.36203941
1989	male	mature	all shell condi	305.839758	0	10.50407
1989	female	immature	all shell condi	117.650748	0	11.6488466
1989	female	mature	all shell condi	269.925126	0	-0.3789064
1990	male	immature	all shell condi	357.092869	0	-5.0484279
1990	male	mature	all shell condi	361.186728	0	0.69630359
1990	female	immature	all shell condi	259.519728	0	3.81844401
1990	female	mature	all shell condi	158.789522	0	20.4867631
1991	male	immature	all shell condi	227.054831	0	2.88214537
1991	male	mature	all shell condi	434.191178	0	-6.3623556
1991	female	immature	all shell condi	132.078933	0	6.71474564
1991	female	mature	all shell condi	243.435276	0	19.8447341
1992	male	immature	all shell condi	494.358165	0	4.05527547
1992	male	mature	all shell condi	246.473272	0	1.7367969

1992	female	immature	all shell condi	235.665501	0	2.80136761
1992	female	mature	all shell condi	608.055213	0	10.779113
1993	male	immature	all shell condi	767.722703	0	9.28906162
1993	male	mature	all shell condi	344.849602	0	2.16002763
1993	female	immature	all shell condi	512.015177	0	2.18914082
1993	female	mature	all shell condi	1146.54206	0	-2.8203653
1994	male	immature	all shell condi	316.993021	0	6.07146704
1994	male	mature	all shell condi	426.627087	0	-5.8332793
1994	female	immature	all shell condi	99.262234	0	15.9498707
1994	female	mature	all shell condi	2947.6177	0	1.10444076
1995	male	immature	all shell condi	263.868543	0	-9.253579
1995	male	mature	all shell condi	480.630198	0	-0.0041292
1995	female	immature	all shell condi	242.177963	0	-7.1548212
1995	female	mature	all shell condi	41.2739663	0	46.4834314
1996	male	immature	all shell condi	360.861508	0	-9.8472269
1996	male	mature	all shell condi	568.500322	0	5.38638404
1996	female	immature	all shell condi	206.554937	0	-7.4714605
1996	female	mature	all shell condi	59.6269998	0	34.4926403
1997	male	immature	all shell condi	212.319289	0	0.48215262
1997	male	mature	all shell condi	2695.71494	0	-3.1314409
1997	female	immature	all shell condi	85.6463015	0	16.9445548
1997	female	mature	all shell condi	1530.56484	0	2.85412358
1998	male	immature	all shell condi	98.2504416	0	18.5392239
1998	male	mature	all shell condi	2035.92088	0	-3.1678256
1998	female	immature	all shell condi	173.737327	0	18.1160995
1998	female	mature	all shell condi	419.93549	0	-5.9739746
1999	male	immature	all shell condi	109.026752	0	12.5911199
1999	male	mature	all shell condi	1576.21683	0	0.22799626
1999	female	immature	all shell condi	94.9850799	0	12.0468604
1999	female	mature	all shell condi	773.649754	0	-1.6630027
2000	male	immature	all shell condi	129.304189	0	8.48533894
2000	male	mature	all shell condi	1261.6973	0	3.88172295
2000	female	immature	all shell condi	319.086754	0	2.14516253
2000	female	mature	all shell condi	436.822022	0	0.97626044
2001	male	immature	all shell condi	141.707074	0	15.7851413
2001	male	mature	all shell condi	613.914708	0	-6.2650794
2001	female	immature	all shell condi	148.534119	0	17.6595698
2001	female	mature	all shell condi	488.244741	0	-4.5247867
2002	male	immature	all shell condi	119.992854	0	10.5970086
2002	male	mature	all shell condi	1481.25508	0	-3.3764066
2002	female	immature	all shell condi	100.090372	0	17.7582129

2002	female	mature	all shell condi	1694.28106	0	-2.5148213
2003	male	immature	all shell condi	343.955824	0	4.0043242
2003	male	mature	all shell condi	3028.91762	0	1.78331978
2003	female	immature	all shell condi	269.232478	0	-5.6794191
2003	female	mature	all shell condi	151.695985	0	13.6228022
2004	male	immature	all shell condi	110.564966	0	7.61673386
2004	male	mature	all shell condi	658.150855	0	9.66142149
2004	female	immature	all shell condi	78.334964	0	18.1467333
2004	female	mature	all shell condi	477.941929	0	-3.1019335
2005	male	immature	all shell condi	185.007754	0	3.94468132
2005	male	mature	all shell condi	1497.57039	0	-4.0830915
2005	female	immature	all shell condi	208.521639	0	20.1034599
2005	female	mature	all shell condi	3515.48145	0	-1.0244801
2006	male	immature	all shell condi	510.793838	0	7.46909631
2006	male	mature	all shell condi	1723.66438	0	-0.8456517
2006	female	immature	all shell condi	247.609849	0	11.2770935
2006	female	mature	all shell condi	855.441458	0	-4.36267
2007	male	immature	all shell condi	221.957242	0	23.9541017
2007	male	mature	all shell condi	1217.56923	0	0.35808156
2007	female	immature	all shell condi	705.536674	0	1.79861799
2007	female	mature	all shell condi	259.498552	0	-9.3112661
2008	male	immature	all shell condi	767.952117	0	11.0242544
2008	male	mature	all shell condi	1835.70684	0	-2.3853531
2008	female	immature	all shell condi	288.964233	0	8.25064695
2008	female	mature	all shell condi	861.892962	0	-4.3264705
2009	male	immature	all shell condi	209.076104	0	1.40225399
2009	male	mature	all shell condi	810.001191	0	5.3055723
2009	female	immature	all shell condi	123.124788	0	0.85891264
2009	female	mature	all shell condi	455.22262	0	7.10599105
2010	male	immature	all shell condi	316.954348	0	-0.4962508
2010	male	mature	all shell condi	399.508279	0	13.0401939
2010	female	immature	all shell condi	250.965507	0	-3.7963616
2010	female	mature	all shell condi	7824.19257	0	1.04500101
2011	male	immature	all shell condi	255.768592	0	10.2923619
2011	male	mature	all shell condi	2281.99331	0	0.65123599
2011	female	immature	all shell condi	189.382825	0	10.9878366
2011	female	mature	all shell condi	427.646291	0	-4.6838562
2012	male	immature	all shell condi	357.046718	0	13.6836787
2012	male	mature	all shell condi	2488.61485	0	-0.5216446
2012	female	immature	all shell condi	315.029551	0	0.35873622
2012	female	mature	all shell condi	741.112039	0	-1.7951331

	2013	male	immature	all shell condi	742.316308	0	7.19274936
	2013	male	mature	all shell condi	327.473516	0	4.96294294
	2013	female	immature	all shell condi	437.375523	0	0.43314209
	2013	female	mature	all shell condi	1856.19082	0	0.44494927
	2014	male	immature	all shell condi	261.85801	0	15.1911611
	2014	male	mature	all shell condi	675.015283	0	1.1124632
	2014	female	immature	all shell condi	68.1628054	0	21.1642087
	2014	female	mature	all shell condi	627.488367	0	-5.6693231
	2015	male	immature	all shell condi	646.035495	0	4.95842992
	2015	male	mature	all shell condi	644.35907	0	1.40387933
	2015	female	immature	all shell condi	380.295014	0	3.57984117
	2015	female	mature	all shell condi	239.829	0	5.79754692
	2016	male	immature	all shell condi	571.280245	0	2.68153332
	2016	male	mature	all shell condi	184.782235	0	21.8295401
	2016	female	immature	all shell condi	358.766639	0	-1.3107112
	2016	female	mature	all shell condi	318.54106	0	-0.8956874
	2017	male	immature	all shell condi	74.2326001	0	2.28353376
	2017	male	mature	all shell condi	158.630445	0	23.3481884
	2017	female	immature	all shell condi	43.4316687	0	14.2278887
	2017	female	mature	all shell condi	312.431372	0	6.15586787
all		male	all maturity st	new shell	2.55240456	1	140.067535
all		male	all maturity st	old shell	3.39976715	1	248.505959
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
all		male	all maturity st	new shell	2.34573116	1	118.302776
all		male	all maturity st	old shell	2.73684274	1	161.041626
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
	1975	male	all maturity st	new shell	41.3132947	1	44.0990937
	1975	male	all maturity st	old shell	91.0158885	1	16.8242076
	1976	male	all maturity st	new shell	90.2365828	1	16.5656901
	1976	male	all maturity st	old shell	35.127152	1	37.2935352
	1977	male	all maturity st	new shell	69.2231391	1	19.1877386
	1977	male	all maturity st	old shell	157.597982	1	11.5675065
	1978	male	all maturity st	new shell	108.623406	1	12.88659
	1978	male	all maturity st	old shell	109.261728	1	15.3431058
	1979	male	all maturity st	new shell	70.5357677	1	11.8705143
	1979	male	all maturity st	old shell	31.3063285	1	44.7640529
	1980	male	all maturity st	new shell	46.7516873	1	18.5022746
	1980	male	all maturity st	old shell	30.7523106	1	44.7103783
	1981	male	all maturity st	new shell	82.24136	1	14.4553475

1981	male	all maturity st	old shell	24.8530963	1	43.0475934
1982	male	all maturity st	new shell	87.0282011	1	14.7996545
1982	male	all maturity st	old shell	307.171338	1	5.18996312
1983	male	all maturity st	new shell	34.995956	1	27.8448352
1983	male	all maturity st	old shell	93.3825109	1	13.8587306
1984	male	all maturity st	new shell	82.1508966	1	8.11379287
1984	male	all maturity st	old shell	60.4549222	1	18.7908957
1985	male	all maturity st	new shell	152.013495	1	10.7086329
1985	male	all maturity st	old shell	51.0181806	1	26.0934621
1986	male	all maturity st	new shell	64.7343587	1	15.0877893
1986	male	all maturity st	old shell	94.8518483	1	14.5908781
1987	male	all maturity st	new shell	44.5495653	1	17.2243182
1987	male	all maturity st	old shell	122.968259	1	15.1759906
1988	male	all maturity st	new shell	79.0741958	1	14.8076458
1988	male	all maturity st	old shell	103.915377	1	17.6320317
1989	male	all maturity st	new shell	70.4166476	1	16.5986572
1989	male	all maturity st	old shell	202.765751	1	11.1840967
1990	male	all maturity st	new shell	164.115682	1	8.48086543
1990	male	all maturity st	old shell	82.6176291	1	16.4906232
1991	male	all maturity st	new shell	126.329741	1	10.3428528
1991	male	all maturity st	old shell	84.2241355	1	18.9313211
1992	male	all maturity st	new shell	152.724479	1	8.77459086
1992	male	all maturity st	old shell	63.4142177	1	17.6693713
1993	male	all maturity st	new shell	322.10711	1	3.84202976
1993	male	all maturity st	old shell	104.705709	1	8.90081178
1994	male	all maturity st	new shell	123.178793	1	9.02007189
1994	male	all maturity st	old shell	99.3375178	1	9.65957426
1995	male	all maturity st	new shell	95.4116726	1	11.4601636
1995	male	all maturity st	old shell	92.8011644	1	11.5797098
1996	male	all maturity st	new shell	149.615453	1	9.86501307
1996	male	all maturity st	old shell	99.850859	1	9.55226121
1997	male	all maturity st	new shell	83.4181288	1	9.81439883
1997	male	all maturity st	old shell	310.553242	1	7.58311947
1998	male	all maturity st	new shell	54.1115672	1	16.8901833
1998	male	all maturity st	old shell	293.053298	1	7.0476609
1999	male	all maturity st	new shell	61.186425	1	11.7969775
1999	male	all maturity st	old shell	113.815044	1	11.936994
2000	male	all maturity st	new shell	73.6872461	1	8.58762014
2000	male	all maturity st	old shell	129.238188	1	11.8517311
2001	male	all maturity st	new shell	67.8892603	1	13.8929846
2001	male	all maturity st	old shell	161.493575	1	11.9057381

	2002	male	all maturity st	new shell	45.6140745	1	17.2326045
	2002	male	all maturity st	old shell	355.258412	1	7.5136874
	2003	male	all maturity st	new shell	143.82832	1	7.04247487
	2003	male	all maturity st	old shell	195.630225	1	10.9198214
	2004	male	all maturity st	new shell	53.9788295	1	15.8723543
	2004	male	all maturity st	old shell	73.25541	1	25.2220557
	2005	male	all maturity st	new shell	80.3751037	1	12.8583677
	2005	male	all maturity st	old shell	339.705128	1	8.70645356
	2006	male	all maturity st	new shell	136.408309	1	9.42254373
	2006	male	all maturity st	old shell	209.243795	1	11.5596208
	2007	male	all maturity st	new shell	204.412244	1	7.94217387
	2007	male	all maturity st	old shell	282.585722	1	11.8152341
	2008	male	all maturity st	new shell	668.32448	1	3.72304088
	2008	male	all maturity st	old shell	214.034418	1	10.1625856
	2009	male	all maturity st	new shell	85.7414529	1	9.20908403
	2009	male	all maturity st	old shell	171.949386	1	8.00870804
	2010	male	all maturity st	new shell	93.062047	1	11.5464042
	2010	male	all maturity st	old shell	268.4987	1	6.33842173
	2011	male	all maturity st	new shell	149.226282	1	6.15061764
	2011	male	all maturity st	old shell	165.396616	1	11.1105094
	2012	male	all maturity st	new shell	287.959431	1	2.90057854
	2012	male	all maturity st	old shell	105.29045	1	12.8360925
	2013	male	all maturity st	new shell	163.906592	1	7.17678123
	2013	male	all maturity st	old shell	200.875674	1	10.8167551
	2014	male	all maturity st	new shell	174.189642	1	10.2323041
	2014	male	all maturity st	old shell	112.223125	1	10.9074723
	2015	male	all maturity st	new shell	315.099906	1	6.31100169
	2015	male	all maturity st	old shell	158.048453	1	8.61404648
	2016	male	all maturity st	new shell	242.593142	1	7.17754631
	2016	male	all maturity st	old shell	100.474151	1	12.4085798
	2017	male	all maturity st	new shell	19.0796215	1	26.1171369
	2017	male	all maturity st	old shell	93.5379343	1	12.5287071
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.54764949	1	139.546135
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.30839427	1	114.566708
all		female	mature	old shell	2.43201698	1	127.166192
all		male	immature	new shell	0	1	0

all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.30412318	1	114.143148
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.25184172	1	109.022009
all		female	mature	old shell	2.29668492	1	113.407375
	1975	female	immature	new shell	25.597551	1	16.314591
	1975	female	mature	new shell	99.3132067	1	3.39805948
	1975	female	mature	old shell	12.1130382	1	20.7021524
	1976	female	immature	new shell	29.8823419	1	11.6990896
	1976	female	mature	new shell	157.237893	1	2.76800995
	1976	female	mature	old shell	13.0898905	1	21.7275759
	1977	female	immature	new shell	30.5159237	1	10.0282588
	1977	female	mature	new shell	404.624651	1	2.41127373
	1977	female	mature	old shell	43.2709653	1	8.07828513
	1978	female	immature	new shell	25.0659444	1	10.7731024
	1978	female	mature	new shell	87.2650312	1	3.03772391
	1978	female	mature	old shell	84.6256976	1	3.8216267
	1979	female	immature	new shell	42.0833659	1	5.00778154
	1979	female	mature	new shell	22.6655283	1	15.361235
	1979	female	mature	old shell	45.4213367	1	6.90332494
	1980	female	immature	new shell	126.634148	1	2.65358573
	1980	female	mature	new shell	9.4236512	1	23.9942861
	1980	female	mature	old shell	37.2801593	1	6.83718712
	1981	female	immature	new shell	28.8744782	1	15.0360053
	1981	female	mature	new shell	8.02702935	1	40.5801179
	1981	female	mature	old shell	157.51717	1	4.09975514
	1982	female	immature	new shell	32.0541963	1	20.4429814
	1982	female	mature	new shell	7.66702632	1	31.2263977
	1982	female	mature	old shell	21.9737766	1	12.0495557
	1983	female	immature	new shell	23.0931022	1	13.2172653
	1983	female	mature	new shell	57.5284111	1	6.48135352
	1983	female	mature	old shell	60.8611065	1	4.36625946
	1984	female	immature	new shell	35.5785816	1	6.26525461
	1984	female	mature	new shell	27.7514441	1	7.97080759
	1984	female	mature	old shell	211.675221	1	1.95744831
	1985	female	immature	new shell	167.588451	1	3.07909782
	1985	female	mature	new shell	13.0823648	1	35.4192298
	1985	female	mature	old shell	223.141784	1	2.15042679
	1986	female	immature	new shell	38.2970565	1	9.79039435

1986	female	mature	new shell	8.2626154	1	29.6635154
1986	female	mature	old shell	37.956349	1	8.13334956
1987	female	immature	new shell	14.5074004	1	44.2338139
1987	female	mature	new shell	38.5665239	1	10.1768469
1987	female	mature	old shell	24.7814046	1	15.6829321
1988	female	immature	new shell	100.043396	1	8.05472543
1988	female	mature	new shell	13.5052743	1	26.2457027
1988	female	mature	old shell	39.3630019	1	9.58443186
1989	female	immature	new shell	36.0389424	1	7.88244252
1989	female	mature	new shell	21.7161752	1	14.3793247
1989	female	mature	old shell	39.7560238	1	11.0591008
1990	female	immature	new shell	50.7948012	1	6.46612478
1990	female	mature	new shell	155.737463	1	2.13772157
1990	female	mature	old shell	33.2685395	1	11.6654226
1991	female	immature	new shell	18.0388363	1	17.4112747
1991	female	mature	new shell	82.8616357	1	3.55802313
1991	female	mature	old shell	148.909826	1	3.18537364
1992	female	immature	new shell	21.9812003	1	18.1294554
1992	female	mature	new shell	58.8097806	1	6.29744333
1992	female	mature	old shell	130.609266	1	3.20600341
1993	female	immature	new shell	46.4952146	1	9.61087028
1993	female	mature	new shell	28.9540734	1	9.22856833
1993	female	mature	old shell	226.330001	1	1.65633327
1994	female	immature	new shell	30.5927032	1	10.9305663
1994	female	mature	new shell	33.9632676	1	11.3321979
1994	female	mature	old shell	488.609332	1	1.15243483
1995	female	immature	new shell	78.7064676	1	6.64044922
1995	female	mature	new shell	26.1789401	1	14.696749
1995	female	mature	old shell	849.833545	1	0.4687675
1996	female	immature	new shell	74.2065547	1	6.95368782
1996	female	mature	new shell	27.7921142	1	10.6859706
1996	female	mature	old shell	320.00202	1	1.23088539
1997	female	immature	new shell	36.9769009	1	7.11741586
1997	female	mature	new shell	115.414075	1	3.16446834
1997	female	mature	old shell	213.526409	1	2.22510429
1998	female	immature	new shell	82.2883517	1	5.4534133
1998	female	mature	new shell	62.5385968	1	6.26731316
1998	female	mature	old shell	220.624578	1	2.99180994
1999	female	immature	new shell	34.1370508	1	8.32801757
1999	female	mature	new shell	21.5078733	1	11.1073765
1999	female	mature	old shell	144.1583	1	2.39284595

2000	female	immature	new shell	94.0780716	1	2.65265438
2000	female	mature	new shell	58.2350861	1	4.74104152
2000	female	mature	old shell	30.4659207	1	11.3036487
2001	female	immature	new shell	97.9169819	1	3.23397333
2001	female	mature	new shell	119.381873	1	5.9631868
2001	female	mature	old shell	61.0947171	1	4.74284594
2002	female	immature	new shell	49.7239693	1	5.45486991
2002	female	mature	new shell	37.0345081	1	8.84077702
2002	female	mature	old shell	97.3352938	1	2.91917098
2003	female	immature	new shell	84.7094427	1	3.84460973
2003	female	mature	new shell	87.0705542	1	3.90721872
2003	female	mature	old shell	43.5179349	1	9.73331363
2004	female	immature	new shell	29.4255627	1	11.7078186
2004	female	mature	new shell	264.382541	1	1.08888462
2004	female	mature	old shell	40.0259563	1	10.9101404
2005	female	immature	new shell	265.686759	1	2.30358471
2005	female	mature	new shell	121.009106	1	4.14496666
2005	female	mature	old shell	253.574733	1	2.96330374
2006	female	immature	new shell	68.1734674	1	5.63252798
2006	female	mature	new shell	365.917865	1	1.90564199
2006	female	mature	old shell	123.523375	1	3.64578679
2007	female	immature	new shell	115.038853	1	3.7437967
2007	female	mature	new shell	73.9492345	1	6.25242032
2007	female	mature	old shell	765.87144	1	0.75525751
2008	female	immature	new shell	42.0813466	1	12.2130995
2008	female	mature	new shell	89.0812712	1	5.24807975
2008	female	mature	old shell	398.167063	1	1.50285475
2009	female	immature	new shell	33.4959518	1	7.13575196
2009	female	mature	new shell	32.8240475	1	6.60418842
2009	female	mature	old shell	302.93246	1	1.14742315
2010	female	immature	new shell	96.9557598	1	3.07368635
2010	female	mature	new shell	164.750839	1	2.3872129
2010	female	mature	old shell	623.088984	1	1.14357181
2011	female	immature	new shell	61.6359582	1	5.97297658
2011	female	mature	new shell	41.7281896	1	5.70647562
2011	female	mature	old shell	280.884735	1	2.24118288
2012	female	immature	new shell	79.9033366	1	4.96523282
2012	female	mature	new shell	45.3304553	1	5.32911861
2012	female	mature	old shell	246.616525	1	1.52402794
2013	female	immature	new shell	82.8914053	1	6.18356231
2013	female	mature	new shell	304.476171	1	1.05960384

	2013	female	mature	old shell	64.0441427	1	4.82212122
	2014	female	immature	new shell	12.1577099	1	33.6179621
	2014	female	mature	new shell	49.2611565	1	4.53010294
	2014	female	mature	old shell	90.8407852	1	3.83690961
	2015	female	immature	new shell	49.0471213	1	8.80381594
	2015	female	mature	new shell	21.4588855	1	11.4254036
	2015	female	mature	old shell	83.547679	1	3.97807528
	2016	female	immature	new shell	43.9247285	1	10.261427
	2016	female	mature	new shell	64.4790998	1	8.37923678
	2016	female	mature	old shell	41.8925294	1	6.57685663
	2017	female	immature	new shell	9.82887522	1	22.2394676
	2017	female	mature	new shell	22.7192756	1	19.5424051
	2017	female	mature	old shell	67.1351319	1	3.460041
all		male	all maturity st	all shell condi	4.30848171	0	352.697278
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	1.23212444	1	28.8444821
all		female	all maturity st	all shell condi	0	1	0
	1980	male	all maturity st	all shell condi	19.0175233	1	16.2616184
	1981	male	all maturity st	all shell condi	190.657154	1	2.03861909
	1982	male	all maturity st	all shell condi	100.471344	1	6.39823723
	1983	male	all maturity st	all shell condi	30.1937144	1	2.28702481
	1984	male	all maturity st	all shell condi	94.5723699	1	1.76405822
	1988	male	all maturity st	all shell condi	40.8100386	1	12.1749677
	1989	male	all maturity st	all shell condi	102.672212	1	1.60424892
	1990	male	all maturity st	all shell condi	33.0336846	1	17.9551255
	1991	male	all maturity st	all shell condi	799.79367	1	2.11088399
	1992	male	all maturity st	all shell condi	93.0824554	1	16.1529259
	1993	male	all maturity st	all shell condi	161.759372	1	10.591763
	1994	male	all maturity st	all shell condi	110.116634	1	17.2586198
	1995	male	all maturity st	all shell condi	10.5404259	1	5.7564315
	1996	male	all maturity st	all shell condi	193.88755	1	1.5903205
	2005	male	all maturity st	all shell condi	10.6545417	1	1.93403931
	2006	male	all maturity st	all shell condi	261.312149	1	1.05528847
	2007	male	all maturity st	all shell condi	215.222422	1	2.35244025
	2008	male	all maturity st	all shell condi	179.012693	1	1.74416614
	2009	male	all maturity st	all shell condi	34.4527928	1	1.96250948
	2013	male	all maturity st	all shell condi	173.275414	1	1.11893126
	2014	male	all maturity st	all shell condi	288.974765	1	2.78393499
	2015	male	all maturity st	all shell condi	252.313478	1	6.60887083
all		male	all maturity st	all shell condi	4.43740128	1	127.988446
all		female	all maturity st	all shell condi	6.02931816	1	236.292404

	1991	male	all maturity st	all shell condi	154.55104	1	11.1932181
	1991	female	all maturity st	all shell condi	172.673923	1	1.86459547
	1992	male	all maturity st	all shell condi	252.977761	1	13.3690132
	1992	female	all maturity st	all shell condi	1353.87179	1	0.28697512
	1993	male	all maturity st	all shell condi	131.381789	1	17.3363696
	1993	female	all maturity st	all shell condi	244.41252	1	1.08733092
	1994	male	all maturity st	all shell condi	228.432435	1	2.6736248
	1994	female	all maturity st	all shell condi	80.8497992	1	1.21648443
	1995	male	all maturity st	all shell condi	13.8283838	1	23.1773782
	1995	female	all maturity st	all shell condi	131.104227	1	0.86256983
	1996	male	all maturity st	all shell condi	23.9564625	1	1.73830611
	1996	female	all maturity st	all shell condi	136.208854	1	0.07701328
	2005	male	all maturity st	all shell condi	143.578489	1	16.0367186
	2005	female	all maturity st	all shell condi	41.2227423	1	1.01184985
	2006	male	all maturity st	all shell condi	288.629444	1	6.18694827
	2006	female	all maturity st	all shell condi	291.675022	1	0.91102274
	2007	male	all maturity st	all shell condi	411.679203	1	5.270768
	2007	female	all maturity st	all shell condi	316.960984	1	0.38438988
	2008	male	all maturity st	all shell condi	514.500934	1	7.94247398
	2008	female	all maturity st	all shell condi	41.9509409	1	0.35602045
	2009	male	all maturity st	all shell condi	62.4044589	1	11.2365206
	2009	female	all maturity st	all shell condi	26.4439995	1	0.15812067
	2013	male	all maturity st	all shell condi	1003.56469	1	1.80437326
	2013	female	all maturity st	all shell condi	68.7330029	1	0.49743493
	2014	male	all maturity st	all shell condi	432.426762	1	7.63502701
	2014	female	all maturity st	all shell condi	169.153879	1	0.2731198
	2015	male	all maturity st	all shell condi	245.420503	1	10.039518
	2015	female	all maturity st	all shell condi	76.3256553	1	1.22323592
all		male	all maturity st	all shell condi	5.1572404	0	332.464107
all		female	all maturity st	all shell condi	4.75562587	0	282.699718
all		male	all maturity st	all shell condi	2.057128	1	52.8971952
all		female	all maturity st	all shell condi	2.03608566	1	51.8205602
	1992	male	all maturity st	all shell condi	79.8578798	1	8.07876249
	1992	female	all maturity st	all shell condi	11.7226553	1	1.73467228
	1993	male	all maturity st	all shell condi	70.7468314	1	5.38932538
	1993	female	all maturity st	all shell condi	20.7674378	1	1.76170136
	1994	male	all maturity st	all shell condi	312.223606	1	0.70563879
	1994	female	all maturity st	all shell condi	59.5384067	1	1.25431294
	1995	male	all maturity st	all shell condi	58.273	1	1.62197939
	1995	female	all maturity st	all shell condi	27.4925708	1	0.42296447
	1996	male	all maturity st	all shell condi	23.0642985	1	10.0608599

1996	female	all maturity st	all shell condi	18.6836395	1 1.08773813
1997	male	all maturity st	all shell condi	304.467748	1 0.81261161
1997	female	all maturity st	all shell condi	147.426613	1 0.1354024
1998	male	all maturity st	all shell condi	198.244776	1 0.56726826
1998	female	all maturity st	all shell condi	16.9964128	1 0.39644977
1999	male	all maturity st	all shell condi	160.711967	1 0.37116312
1999	female	all maturity st	all shell condi	25.4969992	1 0.07729655
2000	male	all maturity st	all shell condi	147.662149	1 0.43934904
2000	female	all maturity st	all shell condi	31.0617574	1 0.09254244
2001	male	all maturity st	all shell condi	270.931421	1 0.52423476
2001	female	all maturity st	all shell condi	123.976531	1 0.05706476
2002	male	all maturity st	all shell condi	58.623023	1 0.84418521
2002	female	all maturity st	all shell condi	44.6839102	1 0.06684204
2003	male	all maturity st	all shell condi	119.893494	1 0.38824234
2003	female	all maturity st	all shell condi	43.6701438	1 0.09857618
2004	male	all maturity st	all shell condi	23.0434889	1 1.90548438
2004	female	all maturity st	all shell condi	32.588475	1 0.82459162
2005	male	all maturity st	all shell condi	122.597397	1 4.36205528
2005	female	all maturity st	all shell condi	34.7923634	1 0.57579027
2006	male	all maturity st	all shell condi	66.7068468	1 6.64519401
2006	female	all maturity st	all shell condi	25.1023709	1 2.60313608
2007	male	all maturity st	all shell condi	313.399081	1 2.56180852
2007	female	all maturity st	all shell condi	28.000517	1 0.99884642
2008	male	all maturity st	all shell condi	86.7383183	1 7.66342251
2008	female	all maturity st	all shell condi	12.8318752	1 2.52182749
2009	male	all maturity st	all shell condi	354.263715	1 2.57688357
2009	female	all maturity st	all shell condi	14.0793428	1 1.5590951
2010	male	all maturity st	all shell condi	263.698308	1 1.80108632
2010	female	all maturity st	all shell condi	20.9478234	1 0.6913725
2011	male	all maturity st	all shell condi	153.754849	1 3.93729901
2011	female	all maturity st	all shell condi	18.9190699	1 0.5655025
2012	male	all maturity st	all shell condi	128.730774	1 3.57872135
2012	female	all maturity st	all shell condi	22.4458483	1 0.42298044
2013	male	all maturity st	all shell condi	230.06563	1 2.60653591
2013	female	all maturity st	all shell condi	131.560388	1 0.23401968
2014	male	all maturity st	all shell condi	344.350937	1 3.75713361
2014	female	all maturity st	all shell condi	25.4090504	1 1.22119046
2015	male	all maturity st	all shell condi	402.150632	1 2.25008947
2015	female	all maturity st	all shell condi	54.2490056	1 0.23309416
2016	male	all maturity st	all shell condi	297.940741	1 3.1400519
2016	female	all maturity st	all shell condi	49.4256069	1 0.25866088

all		all sexes	all maturity st	all shell condi	1.5460967	0	31.0753951
all		all sexes	all maturity st	all shell condi	0.09210881	1	0.18664873
	1973	male	all maturity st	all shell condi	266.497618	1	0.97863089
	1973	female	all maturity st	all shell condi	529.960731	1	2.49052352
	1974	male	all maturity st	all shell condi	100.761477	1	2.27872528
	1974	female	all maturity st	all shell condi	292.823416	1	1.89768148
	1975	male	all maturity st	all shell condi	88.234912	1	1.00464986
	1975	female	all maturity st	all shell condi	181.515919	1	1.60610561
	1976	male	all maturity st	all shell condi	87.3900944	1	-0.4058302
	1976	female	all maturity st	all shell condi	165.544592	1	17.4637778
	1977	male	all maturity st	all shell condi	276.67604	1	-1.8591739
	1977	female	all maturity st	all shell condi	367.5693	1	10.7746904
	1978	male	all maturity st	all shell condi	266.342289	1	-1.6071324
	1978	female	all maturity st	all shell condi	173.003755	1	19.0060842
	1979	male	all maturity st	all shell condi	858.051091	1	-4.8227556
	1979	female	all maturity st	all shell condi	466.127375	1	11.1385561
	1980	male	all maturity st	all shell condi	560.477685	1	3.66320016
	1980	female	all maturity st	all shell condi	1045.54812	1	1.694018
	1981	male	all maturity st	all shell condi	360.500771	1	-4.1555384
	1981	female	all maturity st	all shell condi	66.0511771	1	13.2685268
	1982	male	all maturity st	all shell condi	247.000273	1	4.83783798
	1982	female	all maturity st	all shell condi	73.2103748	1	21.9752573
	1983	male	all maturity st	all shell condi	375.292382	1	21.5312809
	1983	female	all maturity st	all shell condi	222.337567	1	-5.8983608
	1984	male	all maturity st	all shell condi	716.113634	1	25.816022
	1984	female	all maturity st	all shell condi	473.243275	1	-14.550451
	1985	male	all maturity st	all shell condi	276.886359	1	18.2095927
	1985	female	all maturity st	all shell condi	260.143774	1	-3.2922349
	1986	male	all maturity st	all shell condi	180.99851	1	17.6701528
	1986	female	all maturity st	all shell condi	101.057705	1	4.13871729
	1987	male	all maturity st	all shell condi	220.94487	1	22.3363799
	1987	female	all maturity st	all shell condi	436.645993	1	1.44800305
	1988	male	all maturity st	all shell condi	298.11669	1	6.6373365
	1988	female	all maturity st	all shell condi	220.068529	1	8.3010568
	1989	male	all maturity st	all shell condi	308.064875	1	2.91779363
	1989	female	all maturity st	all shell condi	649.830287	1	14.7419535
	1990	male	all maturity st	all shell condi	510.360056	1	16.5440995
	1990	female	all maturity st	all shell condi	246.120934	1	-3.8886351
	1991	male	all maturity st	all shell condi	199.600792	1	0.50362886
	1991	female	all maturity st	all shell condi	148.286958	1	8.89485727
	1992	male	all maturity st	all shell condi	145.493383	1	4.86444726

1992	female	all maturity st	all shell condi	78.1207269	1	3.65384012
1993	male	all maturity st	all shell condi	78.9037624	1	3.45484995
1993	female	all maturity st	all shell condi	170.590011	1	-0.2485862
1994	male	all maturity st	all shell condi	333.224351	1	0.26569643
1994	female	all maturity st	all shell condi	240.126899	1	3.52039219
1995	male	all maturity st	all shell condi	56.8507834	1	10.4530332
1995	female	all maturity st	all shell condi	77.2243951	1	5.85588234
1996	male	all maturity st	all shell condi	190.77815	1	9.08318318
1996	female	all maturity st	all shell condi	317.305068	1	0.15047307
1997	male	all maturity st	all shell condi	60.5757267	1	15.9699649
1997	female	all maturity st	all shell condi	196.792957	1	7.25889323
1998	male	all maturity st	all shell condi	168.056318	1	4.38639684
1998	female	all maturity st	all shell condi	254.230071	1	9.12823414
1999	male	all maturity st	all shell condi	407.85656	1	3.64141905
1999	female	all maturity st	all shell condi	1114.86116	1	3.42320906
2000	male	all maturity st	all shell condi	355.830151	1	5.37215069
2000	female	all maturity st	all shell condi	904.25394	1	0.55508088
2001	male	all maturity st	all shell condi	577.417713	1	8.68598477
2001	female	all maturity st	all shell condi	1216.00386	1	-3.4171007
2002	male	all maturity st	all shell condi	442.404626	1	10.3701479
2002	female	all maturity st	all shell condi	934.163405	1	-0.7986184
2003	male	all maturity st	all shell condi	189.704401	1	5.35868175
2003	female	all maturity st	all shell condi	278.570238	1	4.73222013
2004	male	all maturity st	all shell condi	123.435516	1	-3.0683187
2004	female	all maturity st	all shell condi	35.8143954	1	35.4198686
2005	male	all maturity st	all shell condi	866.802828	1	6.28442046
2005	female	all maturity st	all shell condi	2461.04961	1	-1.1257366
2006	male	all maturity st	all shell condi	180.489371	1	13.8803993
2006	female	all maturity st	all shell condi	159.693188	1	1.74889788
2007	male	all maturity st	all shell condi	179.151145	1	10.3889541
2007	female	all maturity st	all shell condi	100.954201	1	8.09545286
2008	male	all maturity st	all shell condi	172.969382	1	25.1670051
2008	female	all maturity st	all shell condi	222.734741	1	-8.60784
2009	male	all maturity st	all shell condi	357.170656	1	11.6464863
2009	female	all maturity st	all shell condi	785.993379	1	-6.0676373
2010	male	all maturity st	all shell condi	456.775182	1	6.5766871
2010	female	all maturity st	all shell condi	2028.47593	1	-2.3413656
2011	male	all maturity st	all shell condi	89.2968355	1	11.3283492
2011	female	all maturity st	all shell condi	86.9011182	1	17.5298985
2012	male	all maturity st	all shell condi	285.941539	1	-5.0507481
2012	female	all maturity st	all shell condi	165.627921	1	11.1929676

	2013	male	all maturity st	all shell condi	215.0395	1	4.82841988
	2013	female	all maturity st	all shell condi	665.416693	1	7.87443875
	2014	male	all maturity st	all shell condi	1026.43693	1	9.52122708
	2014	female	all maturity st	all shell condi	777.969067	1	-5.6269779
	2015	male	all maturity st	all shell condi	210.662833	1	14.0653138
	2015	female	all maturity st	all shell condi	307.120876	1	2.86040502
	2016	male	all maturity st	all shell condi	207.964925	1	-5.0702078
	2016	female	all maturity st	all shell condi	43.7663302	1	29.2686709
all		male	all maturity st	all shell condi	5.01020985	0	288.675332
all		female	all maturity st	all shell condi	2.18127814	0	54.7167045
all		male	all maturity st	all shell condi	2.07089678	1	49.3190549
all		female	all maturity st	all shell condi	2.18191655	1	54.7487379
	1992	male	all maturity st	all shell condi	140.078728	1	0.84012695
	1992	female	all maturity st	all shell condi	74.6890554	1	0.12377842
	1993	male	all maturity st	all shell condi	338.685433	1	1.95835389
	1993	female	all maturity st	all shell condi	90.3360937	1	0.36876756
	1996	male	all maturity st	all shell condi	87.4531676	1	0.10535262
	1996	female	all maturity st	all shell condi	3.12034855	1	0.03277272
	1997	male	all maturity st	all shell condi	18.0486363	1	2.66570438
	1997	female	all maturity st	all shell condi	17.2405441	1	0.14370834
	1998	male	all maturity st	all shell condi	42.7091249	1	0.49057845
	1998	female	all maturity st	all shell condi	9.82380079	1	0.1182042
	1999	male	all maturity st	all shell condi	63.5972895	1	0.21597432
	1999	female	all maturity st	all shell condi	11.8197207	1	0.07090941
	2000	male	all maturity st	all shell condi	197.404711	1	0.48368337
	2000	female	all maturity st	all shell condi	18.0265839	1	0.17426642
	2001	male	all maturity st	all shell condi	147.720163	1	0.2249019
	2001	female	all maturity st	all shell condi	9.5926406	1	0.19930989
	2002	male	all maturity st	all shell condi	139.914598	1	0.31367553
	2002	female	all maturity st	all shell condi	10.8626774	1	0.22201931
	2003	male	all maturity st	all shell condi	124.148253	1	0.35891654
	2003	female	all maturity st	all shell condi	14.5560446	1	0.19682424
	2004	male	all maturity st	all shell condi	62.5338681	1	0.43678103
	2004	female	all maturity st	all shell condi	11.5623005	1	0.16723415
	2005	male	all maturity st	all shell condi	57.3289236	1	1.37079109
	2005	female	all maturity st	all shell condi	23.802034	1	0.12996735
	2006	male	all maturity st	all shell condi	28.9709611	1	1.65224648
	2006	female	all maturity st	all shell condi	20.3365168	1	0.36214807
	2007	male	all maturity st	all shell condi	131.839587	1	0.90183772
	2007	female	all maturity st	all shell condi	41.7266988	1	0.17729298
	2008	male	all maturity st	all shell condi	43.453779	1	4.14021217

2008	female	all maturity st	all shell condi	52.8018509	1	0.22158082
2009	male	all maturity st	all shell condi	20.2348725	1	7.42132408
2009	female	all maturity st	all shell condi	45.6864228	1	0.09564396
2010	male	all maturity st	all shell condi	55.6610297	1	0.83683114
2010	female	all maturity st	all shell condi	24.6576983	1	0.08378596
2011	male	all maturity st	all shell condi	93.2971691	1	0.29703314
2011	female	all maturity st	all shell condi	4.25002512	1	0.02871298
2012	male	all maturity st	all shell condi	115.540488	1	0.46106748
2012	female	all maturity st	all shell condi	4.52068833	1	0.38592608
2013	male	all maturity st	all shell condi	51.9874341	1	2.06667349
2013	female	all maturity st	all shell condi	6.49144676	1	0.28672197
2014	male	all maturity st	all shell condi	130.086341	1	1.4781898
2014	female	all maturity st	all shell condi	15.297295	1	0.09761923
2015	male	all maturity st	all shell condi	372.907782	1	0.55560784
2015	female	all maturity st	all shell condi	59.7535924	1	0.09766474
2016	male	all maturity st	all shell condi	29.8539608	1	6.25040194
2016	female	all maturity st	all shell condi	45.0572288	1	0.25283188
2015	male	immature	new shell	0.40677962	5	82.1226441
2016	male	immature	new shell	0.40677962	5	95.1512727
2015	female	immature	new shell	0.31286443	5	69.959178
2016	female	immature	new shell	0.31286443	5	63.969424
1994	male	immature	new shell	0.43568957	0	11.4469519
1995	male	immature	new shell	0.43568957	0	26.5350401
1996	male	immature	new shell	0.43568957	0	311.298123
1997	male	immature	new shell	0.43568957	0	412.043936
1998	male	immature	new shell	0.43568957	0	426.739031
1999	male	immature	new shell	0.43568957	0	403.045461
2000	male	immature	new shell	0.43568957	0	643.398126
2001	male	immature	new shell	0.43568957	0	733.073006
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2003	male	immature	new shell	0.43568957	0	237.978731
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2005	male	immature	new shell	0.43568957	0	81.8438046
2006	male	immature	new shell	0.43568957	0	10.0064573
2011	male	immature	new shell	0.43568957	0	1.96951335
2012	male	immature	new shell	0.43568957	0	2.62017038
1994	female	immature	new shell	0.34304185	0	13.3392788
1995	female	immature	new shell	0.34304185	0	12.3902586
1996	female	immature	new shell	0.34304185	0	203.702618
1997	female	immature	new shell	0.34304185	0	154.053319
1998	female	immature	new shell	0.34304185	0	227.205605

	1999	female	immature	new shell	0.34304185	0	263.309443
	2000	female	immature	new shell	0.34304185	0	503.179747
	2001	female	immature	new shell	0.34304185	0	511.494596
	2002	female	immature	new shell	0.34304185	0	317.445074
	2003	female	immature	new shell	0.34304185	0	86.8553084
	2004	female	immature	new shell	0.34304185	0	82.9099601
	2005	female	immature	new shell	0.34304185	0	23.5705478
	2006	female	immature	new shell	0.34304185	0	7.17579032
	2012	female	immature	new shell	0.34304185	0	2.29562776
	1990	male		new shell	1.89616301	5	43.6534178
	1991	male		new shell	1.89616301	5	60.9690839
	1992	male		new shell	1.89616301	5	17.0761498
	1993	male		new shell	1.89616301	5	21.2810936
	1994	male		new shell	1.89616301	5	18.3446947
	1995	male		new shell	1.89616301	5	11.1400862
	1997	male		new shell	1.89616301	5	11.8778572
	1998	male		new shell	1.89616301	5	17.8410145
	1999	male		new shell	1.89616301	5	14.7648832
	2000	male		new shell	1.89616301	5	18.9225306
	2001	male		new shell	1.89616301	5	24.4399682
	2002	male		new shell	1.89616301	5	15.1002407
	2003	male		new shell	1.89616301	5	9.34387622
	2004	male		new shell	1.89616301	5	16.8206431
	2005	male		new shell	1.89616301	5	51.7480957
	2008	male		new shell	1.89616301	5	37.9083547
	2010	male		new shell	1.89616301	5	47.5549418
	2012	male		new shell	1.89616301	5	18.1203203
	2014	male		new shell	1.89616301	5	15.3826995
	2016	male		new shell	1.89616301	5	36.6235337
	2017	male		new shell	1.89616301	5	12.3244511
all		male	immature	new shell	0.09975135	1	2357.31489
all		male	mature	new shell	0.09975135	1	2357.31489
all		male	immature	old shell	0.09975135	1	2357.31489
all		male	mature	old shell	0.09975135	1	2357.31489
all		female	immature	new shell	0.09975135	1	2357.31489
all		female	mature	new shell	0.09975135	1	2357.31489
all		female	immature	old shell	0.09975135	1	2357.31489
all		female	mature	old shell	0.09975135	1	2357.31489
all		male	immature	new shell	0.09975135	1	6881.8044
all		male	mature	new shell	0.09975135	1	6881.8044
all		male	immature	old shell	0.09975135	1	6881.8044

all		male	mature	old shell	0.09975135	1	6881.8044
all		female	immature	new shell	0.09975135	1	6881.8044
all		female	mature	new shell	0.09975135	1	6881.8044
all		female	immature	old shell	0.09975135	1	6881.8044
all		female	mature	old shell	0.09975135	1	6881.8044
all		male	immature	all shell condi	2.58721522	0	143.914176
all		male	mature	all shell condi	1.82481396	0	71.5938388
all		female	immature	all shell condi	2.52171091	0	136.719058
all		female	mature	all shell condi	2.18431261	0	102.581264
all		male	mature	all shell condi	1.90986288	0	78.4228884
all		female	mature	all shell condi	2.08987912	0	93.9032872
	1975	male	immature	all shell condi	978.622975	0	4.03788548
	1975	male	mature	all shell condi	73.4397163	0	48.1095933
	1975	female	immature	all shell condi	225.401125	0	3.72358864
	1975	female	mature	all shell condi	133.509682	0	-10.042489
	1976	male	immature	all shell condi	407.774031	0	9.72185095
	1976	male	mature	all shell condi	178.22093	0	2.02835368
	1976	female	immature	all shell condi	102.209841	0	19.3540557
	1976	female	mature	all shell condi	230.245766	0	-4.6696412
	1977	male	immature	all shell condi	182.617213	0	6.08015045
	1977	male	mature	all shell condi	165.037149	0	-8.4356537
	1977	female	immature	all shell condi	32.392159	0	46.4643774
	1977	female	mature	all shell condi	662.574539	0	-2.5428209
	1978	male	immature	all shell condi	366.638381	0	-0.2838248
	1978	male	mature	all shell condi	285.35635	0	0.42804753
	1978	female	immature	all shell condi	65.8987447	0	20.8142807
	1978	female	mature	all shell condi	1503.72974	0	1.12836444
	1979	male	immature	all shell condi	160.343523	0	13.166534
	1979	male	mature	all shell condi	258.909787	0	-8.0394992
	1979	female	immature	all shell condi	327.242374	0	-4.5740823
	1979	female	mature	all shell condi	60.8728185	0	29.2840381
	1980	male	immature	all shell condi	99.1156144	0	26.4112256
	1980	male	mature	all shell condi	142.931021	0	-13.195111
	1980	female	immature	all shell condi	1110.31053	0	0.6631259
	1980	female	mature	all shell condi	41.7518423	0	25.7711032
	1981	male	immature	all shell condi	623.313581	0	5.58102827
	1981	male	mature	all shell condi	278.000946	0	-14.865578
	1981	female	immature	all shell condi	167.585043	0	-4.7320717
	1981	female	mature	all shell condi	20.7143702	0	69.6488371
	1982	male	immature	all shell condi	211.599752	0	-13.348213
	1982	male	mature	all shell condi	198.204028	0	-17.629273

1982	female	immature	all shell condi	160.931081	0	-5.8754509
1982	female	mature	all shell condi	6.03738786	0	149.468801
1983	male	immature	all shell condi	95.5600116	0	14.5193481
1983	male	mature	all shell condi	298.767019	0	-11.027709
1983	female	immature	all shell condi	64.4460909	0	21.1249829
1983	female	mature	all shell condi	106.978979	0	18.8456942
1984	male	immature	all shell condi	271.499319	0	-9.6831467
1984	male	mature	all shell condi	397.959742	0	7.8548475
1984	female	immature	all shell condi	169.898283	0	-1.8593897
1984	female	mature	all shell condi	74.4462432	0	29.6750125
1985	male	immature	all shell condi	225.474746	0	-18.306609
1985	male	mature	all shell condi	117.690376	0	28.5783437
1985	female	immature	all shell condi	140.160498	0	-17.189429
1985	female	mature	all shell condi	55.2395136	0	39.9910567
1986	male	immature	all shell condi	219.029637	0	5.77807191
1986	male	mature	all shell condi	84.7339367	0	26.796665
1986	female	immature	all shell condi	83.7880302	0	-7.3803573
1986	female	mature	all shell condi	226.13682	0	4.87066784
1987	male	immature	all shell condi	111.968568	0	5.07160197
1987	male	mature	all shell condi	699.680312	0	8.14455858
1987	female	immature	all shell condi	39.7492433	0	55.7333188
1987	female	mature	all shell condi	409.221758	0	-2.0388138
1988	male	immature	all shell condi	260.46114	0	-2.7488294
1988	male	mature	all shell condi	258.037436	0	16.7984206
1988	female	immature	all shell condi	157.753386	0	-10.199041
1988	female	mature	all shell condi	60.2468826	0	28.1170928
1989	male	immature	all shell condi	148.884034	0	4.37333707
1989	male	mature	all shell condi	323.04654	0	9.68673523
1989	female	immature	all shell condi	116.058996	0	12.9020563
1989	female	mature	all shell condi	276.057074	0	0.02843498
1990	male	immature	all shell condi	341.587559	0	-5.9758219
1990	male	mature	all shell condi	376.452797	0	-0.0728423
1990	female	immature	all shell condi	253.266782	0	4.8022404
1990	female	mature	all shell condi	143.919645	0	21.6601778
1991	male	immature	all shell condi	218.925905	0	1.89519078
1991	male	mature	all shell condi	451.231654	0	-6.8689588
1991	female	immature	all shell condi	131.153986	0	7.34073307
1991	female	mature	all shell condi	212.759116	0	21.2546898
1992	male	immature	all shell condi	465.559518	0	3.21156044
1992	male	mature	all shell condi	259.368377	0	0.93600973
1992	female	immature	all shell condi	235.962133	0	3.34586941

1992	female	mature	all shell condi	522.76272	0	11.6910487
1993	male	immature	all shell condi	787.268137	0	8.24469951
1993	male	mature	all shell condi	359.100045	0	2.37202463
1993	female	immature	all shell condi	492.156429	0	2.61163929
1993	female	mature	all shell condi	1183.14418	0	-2.7221354
1994	male	immature	all shell condi	312.667088	0	5.34395991
1994	male	mature	all shell condi	462.386156	0	-4.7294684
1994	female	immature	all shell condi	95.6855264	0	16.4510883
1994	female	mature	all shell condi	2951.31919	0	0.43503857
1995	male	immature	all shell condi	252.873424	0	-9.8709672
1995	male	mature	all shell condi	445.43797	0	2.16110554
1995	female	immature	all shell condi	248.878473	0	-7.0230171
1995	female	mature	all shell condi	44.973045	0	44.495142
1996	male	immature	all shell condi	336.796703	0	-10.927656
1996	male	mature	all shell condi	465.897676	0	8.16954524
1996	female	immature	all shell condi	210.14332	0	-7.3664447
1996	female	mature	all shell condi	65.1741742	0	32.9218727
1997	male	immature	all shell condi	203.994279	0	-0.5461039
1997	male	mature	all shell condi	3394.57782	0	-1.640148
1997	female	immature	all shell condi	84.0323962	0	17.4895766
1997	female	mature	all shell condi	1728.23871	0	2.22731441
1998	male	immature	all shell condi	99.0882686	0	17.103291
1998	male	mature	all shell condi	1983.0785	0	-1.6668661
1998	female	immature	all shell condi	170.959726	0	18.6182035
1998	female	mature	all shell condi	396.084764	0	-6.1336873
1999	male	immature	all shell condi	106.569592	0	11.671674
1999	male	mature	all shell condi	1583.64011	0	0.85945476
1999	female	immature	all shell condi	91.7891167	0	13.0959984
1999	female	mature	all shell condi	745.439441	0	-1.8087455
2000	male	immature	all shell condi	128.748145	0	7.58111385
2000	male	mature	all shell condi	1148.49593	0	4.38495077
2000	female	immature	all shell condi	308.185048	0	3.1137765
2000	female	mature	all shell condi	430.442215	0	0.99890606
2001	male	immature	all shell condi	138.464963	0	15.3550145
2001	male	mature	all shell condi	634.316666	0	-6.2540239
2001	female	immature	all shell condi	139.713804	0	18.9949932
2001	female	mature	all shell condi	482.872479	0	-4.5454571
2002	male	immature	all shell condi	119.608265	0	9.89624991
2002	male	mature	all shell condi	1544.59857	0	-3.3345744
2002	female	immature	all shell condi	95.7700695	0	19.0430774
2002	female	mature	all shell condi	1763.65455	0	-2.4499505

2003	male	immature	all shell condi	349.893527	0	2.94427646
2003	male	mature	all shell condi	2958.10384	0	1.89276199
2003	female	immature	all shell condi	275.26236	0	-4.8381462
2003	female	mature	all shell condi	147.943148	0	13.8358786
2004	male	immature	all shell condi	108.518315	0	6.94773892
2004	male	mature	all shell condi	638.659275	0	9.8299133
2004	female	immature	all shell condi	76.9701785	0	19.0618058
2004	female	mature	all shell condi	500.954338	0	-2.9542301
2005	male	immature	all shell condi	181.124725	0	2.91429296
2005	male	mature	all shell condi	1638.39544	0	-3.8321355
2005	female	immature	all shell condi	194.458083	0	21.1150481
2005	female	mature	all shell condi	4131.07387	0	-0.6751585
2006	male	immature	all shell condi	560.668879	0	5.73397438
2006	male	mature	all shell condi	1760.01381	0	-0.2297923
2006	female	immature	all shell condi	239.548891	0	12.0219983
2006	female	mature	all shell condi	975.10731	0	-3.9289562
2007	male	immature	all shell condi	237.614873	0	21.90112
2007	male	mature	all shell condi	1138.85692	0	1.32798298
2007	female	immature	all shell condi	695.354904	0	2.25252653
2007	female	mature	all shell condi	275.01988	0	-8.94066
2008	male	immature	all shell condi	864.714635	0	9.08259719
2008	male	mature	all shell condi	1555.02302	0	-0.9738609
2008	female	immature	all shell condi	293.758844	0	8.2445427
2008	female	mature	all shell condi	932.752149	0	-4.0106861
2009	male	immature	all shell condi	218.233566	0	0.33911558
2009	male	mature	all shell condi	688.087074	0	6.22788715
2009	female	immature	all shell condi	127.601949	0	1.42811015
2009	female	mature	all shell condi	493.222538	0	6.72592538
2010	male	immature	all shell condi	310.818905	0	-1.6746213
2010	male	mature	all shell condi	341.352509	0	14.4467725
2010	female	immature	all shell condi	257.776945	0	-3.3733864
2010	female	mature	all shell condi	9131.13223	0	0.889486
2011	male	immature	all shell condi	247.79197	0	9.06789825
2011	male	mature	all shell condi	2129.26445	0	1.60948875
2011	female	immature	all shell condi	184.290479	0	11.9647222
2011	female	mature	all shell condi	427.087937	0	-4.692636
2012	male	immature	all shell condi	379.908404	0	11.5800191
2012	male	mature	all shell condi	2637.55881	0	0.29475148
2012	female	immature	all shell condi	321.249844	0	1.06006433
2012	female	mature	all shell condi	743.173198	0	-1.5416877
2013	male	immature	all shell condi	681.242048	0	5.69645591

	2013	male	mature	all shell condi	322.527612	0	5.48583438
	2013	female	immature	all shell condi	443.580377	0	1.32278697
	2013	female	mature	all shell condi	1797.87676	0	0.79082497
	2014	male	immature	all shell condi	262.106382	0	14.0985844
	2014	male	mature	all shell condi	650.966006	0	1.56439614
	2014	female	immature	all shell condi	65.8411337	0	22.1093338
	2014	female	mature	all shell condi	647.163381	0	-5.4660632
	2015	male	immature	all shell condi	614.870896	0	4.15279934
	2015	male	mature	all shell condi	632.114337	0	2.19294569
	2015	female	immature	all shell condi	370.784614	0	4.13368475
	2015	female	mature	all shell condi	245.133297	0	5.59592031
	2016	male	immature	all shell condi	554.59936	0	1.63659216
	2016	male	mature	all shell condi	165.300763	0	24.1680525
	2016	female	immature	all shell condi	364.622451	0	-1.1589716
	2016	female	mature	all shell condi	318.9379	0	-1.3895286
	2017	male	immature	all shell condi	74.3392705	0	1.26694048
	2017	male	mature	all shell condi	136.263809	0	26.1946238
	2017	female	immature	all shell condi	44.5089569	0	13.6267681
	2017	female	mature	all shell condi	324.751655	0	5.85953419
all		male	all maturity st	new shell	2.53588671	1	138.260511
all		male	all maturity st	old shell	3.55272309	1	271.369589
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
all		male	all maturity st	new shell	2.40035553	1	123.876694
all		male	all maturity st	old shell	2.75288056	1	162.934554
all		female	all maturity st	new shell	0	1	0
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	1975	male	all maturity st	new shell	61.789386	1	29.3234371
	1975	male	all maturity st	old shell	26.1447487	1	42.8034646
	1976	male	all maturity st	new shell	162.823845	1	10.0128115
	1976	male	all maturity st	old shell	18.5302878	1	65.0865382
	1977	male	all maturity st	new shell	85.9267839	1	14.9883296
	1977	male	all maturity st	old shell	62.7017318	1	23.6063435
	1978	male	all maturity st	new shell	151.010059	1	8.7461161
	1978	male	all maturity st	old shell	47.1681064	1	29.092963
	1979	male	all maturity st	new shell	80.7300012	1	10.7265879
	1979	male	all maturity st	old shell	32.2755717	1	40.7038554
	1980	male	all maturity st	new shell	51.1726027	1	16.809999
	1980	male	all maturity st	old shell	31.7141121	1	40.4630142
	1981	male	all maturity st	new shell	78.4148979	1	14.8410223
	1981	male	all maturity st	old shell	24.4052563	1	43.1218079

1982	male	all maturity st	new shell	83.9917332	1	15.5146612
1982	male	all maturity st	old shell	316.140604	1	4.80865644
1983	male	all maturity st	new shell	34.0449589	1	28.8943326
1983	male	all maturity st	old shell	92.1291162	1	14.0831352
1984	male	all maturity st	new shell	80.376409	1	8.37164468
1984	male	all maturity st	old shell	59.7457326	1	19.1489274
1985	male	all maturity st	new shell	155.811835	1	10.2400294
1985	male	all maturity st	old shell	51.1226002	1	26.2271967
1986	male	all maturity st	new shell	67.4419515	1	14.7187333
1986	male	all maturity st	old shell	94.054536	1	14.7673526
1987	male	all maturity st	new shell	47.1353253	1	16.2932825
1987	male	all maturity st	old shell	117.579245	1	15.6146194
1988	male	all maturity st	new shell	84.1032948	1	13.776116
1988	male	all maturity st	old shell	99.6549066	1	18.0312907
1989	male	all maturity st	new shell	72.4145991	1	15.9207435
1989	male	all maturity st	old shell	197.847345	1	11.1387262
1990	male	all maturity st	new shell	170.155204	1	8.04801678
1990	male	all maturity st	old shell	78.6890738	1	16.7614387
1991	male	all maturity st	new shell	128.001849	1	10.4314198
1991	male	all maturity st	old shell	78.5642247	1	19.4582527
1992	male	all maturity st	new shell	160.512741	1	8.62996341
1992	male	all maturity st	old shell	61.0888523	1	17.5442503
1993	male	all maturity st	new shell	332.384248	1	3.83934245
1993	male	all maturity st	old shell	99.0863438	1	8.95160273
1994	male	all maturity st	new shell	114.698339	1	9.74974174
1994	male	all maturity st	old shell	95.67897	1	9.62629771
1995	male	all maturity st	new shell	92.8181142	1	12.2927111
1995	male	all maturity st	old shell	86.5977352	1	11.817445
1996	male	all maturity st	new shell	147.1989	1	10.4677447
1996	male	all maturity st	old shell	90.2091181	1	10.1106902
1997	male	all maturity st	new shell	79.5440557	1	10.3917277
1997	male	all maturity st	old shell	274.698142	1	7.76005126
1998	male	all maturity st	new shell	53.0629366	1	17.4020781
1998	male	all maturity st	old shell	258.362963	1	7.59290505
1999	male	all maturity st	new shell	58.7046563	1	12.3544973
1999	male	all maturity st	old shell	107.333329	1	12.7252379
2000	male	all maturity st	new shell	71.0164205	1	8.97589025
2000	male	all maturity st	old shell	117.141933	1	12.6772947
2001	male	all maturity st	new shell	63.3862739	1	14.9452866
2001	male	all maturity st	old shell	153.031582	1	12.3633177
2002	male	all maturity st	new shell	44.1168476	1	18.0850657

	2002	male	all maturity st	old shell	361.98244	1	7.42834794
	2003	male	all maturity st	new shell	142.090905	1	7.33530365
	2003	male	all maturity st	old shell	191.037109	1	11.0619672
	2004	male	all maturity st	new shell	52.7373177	1	16.4984117
	2004	male	all maturity st	old shell	73.4290418	1	25.4759077
	2005	male	all maturity st	new shell	78.5514422	1	13.2737472
	2005	male	all maturity st	old shell	320.118883	1	9.03135692
	2006	male	all maturity st	new shell	134.574106	1	9.70350399
	2006	male	all maturity st	old shell	204.1831	1	11.8742422
	2007	male	all maturity st	new shell	198.402499	1	8.32360127
	2007	male	all maturity st	old shell	272.162899	1	12.1069165
	2008	male	all maturity st	new shell	665.514855	1	3.8057224
	2008	male	all maturity st	old shell	197.82537	1	10.6791898
	2009	male	all maturity st	new shell	95.8205675	1	8.77541175
	2009	male	all maturity st	old shell	159.053851	1	8.54352229
	2010	male	all maturity st	new shell	97.7057818	1	10.9339013
	2010	male	all maturity st	old shell	230.357806	1	7.03521794
	2011	male	all maturity st	new shell	144.09592	1	6.55660241
	2011	male	all maturity st	old shell	148.696891	1	12.0540005
	2012	male	all maturity st	new shell	285.548359	1	3.03667276
	2012	male	all maturity st	old shell	97.1943355	1	14.0134961
	2013	male	all maturity st	new shell	161.953367	1	7.45288407
	2013	male	all maturity st	old shell	189.24735	1	11.2011792
	2014	male	all maturity st	new shell	170.576037	1	10.8153339
	2014	male	all maturity st	old shell	111.759558	1	10.950313
	2015	male	all maturity st	new shell	300.106364	1	6.86220766
	2015	male	all maturity st	old shell	159.883456	1	8.58403431
	2016	male	all maturity st	new shell	235.531455	1	7.59610082
	2016	male	all maturity st	old shell	99.7883059	1	12.6556403
	2017	male	all maturity st	new shell	18.9829212	1	26.5390551
	2017	male	all maturity st	old shell	92.1290891	1	12.9005549
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.52171091	1	136.719058
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.30248313	1	113.980714
all		female	mature	old shell	2.39903778	1	123.740719
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0

all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.30363951	1	114.095232
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.26291644	1	110.097002
all		female	mature	old shell	2.27296127	1	111.076588
	1975	female	immature	new shell	24.6944821	1	16.92097
	1975	female	mature	new shell	105.20963	1	3.25538862
	1975	female	mature	old shell	11.4690657	1	21.6585779
	1976	female	immature	new shell	33.5088192	1	10.2447833
	1976	female	mature	new shell	167.650887	1	2.6561467
	1976	female	mature	old shell	12.7884726	1	21.9102112
	1977	female	immature	new shell	31.2518652	1	9.67946352
	1977	female	mature	new shell	419.759955	1	2.35132073
	1977	female	mature	old shell	43.515865	1	7.78811557
	1978	female	immature	new shell	24.1233849	1	11.1114583
	1978	female	mature	new shell	82.2694583	1	3.21107403
	1978	female	mature	old shell	88.9444522	1	3.64955421
	1979	female	immature	new shell	42.5639295	1	4.87569858
	1979	female	mature	new shell	23.2255046	1	15.1557701
	1979	female	mature	old shell	46.858819	1	6.57429389
	1980	female	immature	new shell	131.729527	1	2.62630866
	1980	female	mature	new shell	9.07160869	1	25.0312216
	1980	female	mature	old shell	37.5827434	1	6.69454406
	1981	female	immature	new shell	27.957152	1	15.7462782
	1981	female	mature	new shell	7.83833733	1	41.6532554
	1981	female	mature	old shell	155.75378	1	4.34396755
	1982	female	immature	new shell	32.4978686	1	20.3785501
	1982	female	mature	new shell	7.75389784	1	30.7215166
	1982	female	mature	old shell	22.1206498	1	12.0046978
	1983	female	immature	new shell	23.534379	1	12.9330586
	1983	female	mature	new shell	56.9416032	1	6.61759461
	1983	female	mature	old shell	62.7974925	1	4.23609857
	1984	female	immature	new shell	35.4032209	1	6.24109974
	1984	female	mature	new shell	28.2663319	1	7.79565866
	1984	female	mature	old shell	221.187598	1	1.89566532
	1985	female	immature	new shell	165.344414	1	3.16172274
	1985	female	mature	new shell	12.9602395	1	35.8614409
	1985	female	mature	old shell	230.272972	1	2.12848995
	1986	female	immature	new shell	38.2790381	1	9.86796225
	1986	female	mature	new shell	8.17214084	1	30.1039088

1986	female	mature	old shell	36.5898723	1	8.42928891
1987	female	immature	new shell	14.5976845	1	44.0664445
1987	female	mature	new shell	37.6901733	1	10.4366897
1987	female	mature	old shell	24.0640572	1	16.1352302
1988	female	immature	new shell	100.195921	1	8.06872789
1988	female	mature	new shell	13.4533879	1	26.4502878
1988	female	mature	old shell	37.6063601	1	9.9486392
1989	female	immature	new shell	36.7796885	1	7.75811004
1989	female	mature	new shell	21.7676944	1	14.3856888
1989	female	mature	old shell	38.6042597	1	11.3651167
1990	female	immature	new shell	50.1590931	1	6.5659811
1990	female	mature	new shell	154.979813	1	2.14428548
1990	female	mature	old shell	32.4724583	1	11.9297007
1991	female	immature	new shell	17.9646537	1	17.4139253
1991	female	mature	new shell	84.2849821	1	3.47011071
1991	female	mature	old shell	140.275903	1	3.34027009
1992	female	immature	new shell	21.8628255	1	18.2737356
1992	female	mature	new shell	58.2569308	1	6.317406
1992	female	mature	old shell	122.981154	1	3.330873
1993	female	immature	new shell	45.6304998	1	9.75246993
1993	female	mature	new shell	28.9356323	1	9.20961393
1993	female	mature	old shell	215.621023	1	1.74785535
1994	female	immature	new shell	30.2651477	1	11.0927529
1994	female	mature	new shell	33.9757597	1	11.3409457
1994	female	mature	old shell	432.558211	1	1.24299874
1995	female	immature	new shell	79.6332184	1	6.54895417
1995	female	mature	new shell	25.8146961	1	14.8122914
1995	female	mature	old shell	842.706312	1	0.48927054
1996	female	immature	new shell	74.8435915	1	6.89373835
1996	female	mature	new shell	27.9324138	1	10.6451862
1996	female	mature	old shell	291.55108	1	1.32030272
1997	female	immature	new shell	36.9474847	1	7.13055593
1997	female	mature	new shell	115.368437	1	3.17191758
1997	female	mature	old shell	203.626336	1	2.30697618
1998	female	immature	new shell	83.7618673	1	5.35244208
1998	female	mature	new shell	61.6220895	1	6.33043131
1998	female	mature	old shell	207.733174	1	3.06975864
1999	female	immature	new shell	33.8431985	1	8.39994527
1999	female	mature	new shell	21.3530788	1	11.2075911
1999	female	mature	old shell	141.61145	1	2.40026013
2000	female	immature	new shell	93.8707958	1	2.66506543

2000	female	mature	new shell	57.1079516	1	4.83460906
2000	female	mature	old shell	30.1167172	1	11.4288456
2001	female	immature	new shell	98.2834667	1	3.225255
2001	female	mature	new shell	119.523655	1	5.91223734
2001	female	mature	old shell	60.2307229	1	4.80095724
2002	female	immature	new shell	49.7029163	1	5.45314362
2002	female	mature	new shell	37.3132998	1	8.76465838
2002	female	mature	old shell	96.8906554	1	2.90583404
2003	female	immature	new shell	84.1319199	1	3.86307648
2003	female	mature	new shell	88.6132453	1	3.82922685
2003	female	mature	old shell	43.8844104	1	9.62004884
2004	female	immature	new shell	29.6261951	1	11.5951484
2004	female	mature	new shell	265.083031	1	1.07936481
2004	female	mature	old shell	40.2300476	1	10.7931808
2005	female	immature	new shell	270.032735	1	2.25901822
2005	female	mature	new shell	119.817712	1	4.11372744
2005	female	mature	old shell	262.388566	1	2.88643348
2006	female	immature	new shell	67.5247411	1	5.68255445
2006	female	mature	new shell	353.371823	1	1.88569476
2006	female	mature	old shell	126.412635	1	3.54543617
2007	female	immature	new shell	113.84545	1	3.75390705
2007	female	mature	new shell	72.3704717	1	6.23920329
2007	female	mature	old shell	785.034871	1	0.73239799
2008	female	immature	new shell	43.1234228	1	11.790221
2008	female	mature	new shell	91.3643486	1	5.1264018
2008	female	mature	old shell	412.890196	1	1.44500076
2009	female	immature	new shell	34.0031243	1	7.02247658
2009	female	mature	new shell	33.1485106	1	6.52516877
2009	female	mature	old shell	313.960318	1	1.11341432
2010	female	immature	new shell	97.6936754	1	3.07786153
2010	female	mature	new shell	166.344815	1	2.36425685
2010	female	mature	old shell	661.497153	1	1.1064411
2011	female	immature	new shell	59.7658043	1	6.1875801
2011	female	mature	new shell	41.3298275	1	5.77554368
2011	female	mature	old shell	280.947208	1	2.23571505
2012	female	immature	new shell	79.9269165	1	4.9832379
2012	female	mature	new shell	44.7772155	1	5.4115031
2012	female	mature	old shell	248.361821	1	1.5295621
2013	female	immature	new shell	81.469806	1	6.31384753
2013	female	mature	new shell	321.488122	1	1.02131167
2013	female	mature	old shell	63.1058005	1	4.90908837

	2014	female	immature	new shell	12.0523227	1	33.8500179
	2014	female	mature	new shell	49.0694601	1	4.53394824
	2014	female	mature	old shell	89.9122505	1	3.89304156
	2015	female	immature	new shell	48.8632313	1	8.83002675
	2015	female	mature	new shell	21.3006023	1	11.5026533
	2015	female	mature	old shell	85.587163	1	3.89180464
	2016	female	immature	new shell	44.3003395	1	10.1461479
	2016	female	mature	new shell	64.3382653	1	8.37256163
	2016	female	mature	old shell	42.3277602	1	6.49723014
	2017	female	immature	new shell	10.0292216	1	21.6638313
	2017	female	mature	new shell	22.9251595	1	19.3483781
	2017	female	mature	old shell	67.7930398	1	3.41993398
all		male	all maturity st	all shell condi	4.51604978	0	387.499407
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	1.13895827	1	24.6472928
all		female	all maturity st	all shell condi	0	1	0
	1980	male	all maturity st	all shell condi	19.8528195	1	15.6843865
	1981	male	all maturity st	all shell condi	183.864346	1	2.18545825
	1982	male	all maturity st	all shell condi	94.2215232	1	6.93761373
	1983	male	all maturity st	all shell condi	29.9564185	1	2.3375387
	1984	male	all maturity st	all shell condi	90.7945126	1	1.86060153
	1988	male	all maturity st	all shell condi	38.9898698	1	12.6995688
	1989	male	all maturity st	all shell condi	94.5824268	1	1.72259819
	1990	male	all maturity st	all shell condi	32.4109646	1	18.3485288
	1991	male	all maturity st	all shell condi	626.584477	1	2.66455339
	1992	male	all maturity st	all shell condi	82.3638628	1	17.8334594
	1993	male	all maturity st	all shell condi	155.071906	1	11.4707956
	1994	male	all maturity st	all shell condi	110.117229	1	17.6552651
	1995	male	all maturity st	all shell condi	9.84705	1	6.15763531
	1996	male	all maturity st	all shell condi	178.752129	1	1.77846111
	2005	male	all maturity st	all shell condi	10.3772	1	1.98892694
	2006	male	all maturity st	all shell condi	240.921098	1	1.1580706
	2007	male	all maturity st	all shell condi	193.073652	1	2.62061886
	2008	male	all maturity st	all shell condi	170.878337	1	1.84552548
	2009	male	all maturity st	all shell condi	33.365598	1	2.08192615
	2013	male	all maturity st	all shell condi	161.041077	1	1.2163194
	2014	male	all maturity st	all shell condi	275.007667	1	3.02106535
	2015	male	all maturity st	all shell condi	230.607712	1	7.4195177
all		male	all maturity st	all shell condi	4.45785658	1	129.171154
all		female	all maturity st	all shell condi	6.08394374	1	240.593415
	1991	male	all maturity st	all shell condi	140.237797	1	12.7236555

	1991	female	all maturity st	all shell condi	171.373921	1	1.8806313
	1992	male	all maturity st	all shell condi	209.082729	1	15.2006831
	1992	female	all maturity st	all shell condi	1386.05027	1	0.28293325
	1993	male	all maturity st	all shell condi	122.281828	1	18.6739996
	1993	female	all maturity st	all shell condi	246.522125	1	1.08692816
	1994	male	all maturity st	all shell condi	242.362094	1	2.72789223
	1994	female	all maturity st	all shell condi	81.7247283	1	1.20189473
	1995	male	all maturity st	all shell condi	12.9088149	1	24.843831
	1995	female	all maturity st	all shell condi	131.940245	1	0.85502901
	1996	male	all maturity st	all shell condi	23.4384942	1	1.79686668
	1996	female	all maturity st	all shell condi	136.000568	1	0.07711175
	2005	male	all maturity st	all shell condi	138.128595	1	16.3177488
	2005	female	all maturity st	all shell condi	41.3673972	1	1.0079428
	2006	male	all maturity st	all shell condi	270.981181	1	6.50748268
	2006	female	all maturity st	all shell condi	291.217294	1	0.90877742
	2007	male	all maturity st	all shell condi	345.848993	1	5.91958935
	2007	female	all maturity st	all shell condi	313.258606	1	0.38690939
	2008	male	all maturity st	all shell condi	475.246669	1	8.50691836
	2008	female	all maturity st	all shell condi	42.0372522	1	0.35494927
	2009	male	all maturity st	all shell condi	59.7756081	1	12.0731464
	2009	female	all maturity st	all shell condi	26.2976518	1	0.15890658
	2013	male	all maturity st	all shell condi	903.072722	1	1.93384373
	2013	female	all maturity st	all shell condi	67.5972678	1	0.5041164
	2014	male	all maturity st	all shell condi	403.116189	1	8.01433166
	2014	female	all maturity st	all shell condi	168.478321	1	0.27149362
	2015	male	all maturity st	all shell condi	219.96396	1	10.9284847
	2015	female	all maturity st	all shell condi	76.0000267	1	1.23139888
all		male	all maturity st	all shell condi	5.00142245	0	312.677832
all		female	all maturity st	all shell condi	4.56713562	0	260.734097
all		male	all maturity st	all shell condi	2.09126973	1	54.6676133
all		female	all maturity st	all shell condi	2.035586	1	51.7951294
	1992	male	all maturity st	all shell condi	78.3474537	1	5.13589408
	1992	female	all maturity st	all shell condi	25.4584957	1	0.72304615
	1993	male	all maturity st	all shell condi	361.843327	1	1.24230857
	1993	female	all maturity st	all shell condi	45.1298961	1	1.01200641
	1994	male	all maturity st	all shell condi	91.7625578	1	1.24811449
	1994	female	all maturity st	all shell condi	30.543182	1	2.46207811
	1995	male	all maturity st	all shell condi	396.725438	1	0.42622941
	1995	female	all maturity st	all shell condi	46.3497466	1	0.32396479
	1996	male	all maturity st	all shell condi	53.4110819	1	5.22499749
	1996	female	all maturity st	all shell condi	67.0563064	1	0.40291474

1997	male	all maturity st	all shell condi	804.81869	1	0.69113069
1997	female	all maturity st	all shell condi	52.2346875	1	0.24656536
1998	male	all maturity st	all shell condi	713.046645	1	0.42337654
1998	female	all maturity st	all shell condi	9.72591947	1	0.68825154
1999	male	all maturity st	all shell condi	234.800987	1	0.29530059
1999	female	all maturity st	all shell condi	13.0539614	1	0.14099026
2000	male	all maturity st	all shell condi	428.062538	1	0.27964024
2000	female	all maturity st	all shell condi	14.003926	1	0.15493034
2001	male	all maturity st	all shell condi	585.064909	1	0.45060111
2001	female	all maturity st	all shell condi	37.2112179	1	0.1188663
2002	male	all maturity st	all shell condi	39.5281319	1	1.16921757
2002	female	all maturity st	all shell condi	19.2456547	1	0.12835265
2003	male	all maturity st	all shell condi	68.0565747	1	0.54105587
2003	female	all maturity st	all shell condi	19.4169448	1	0.17964343
2004	male	all maturity st	all shell condi	16.8373821	1	2.34845264
2004	female	all maturity st	all shell condi	22.5080136	1	0.81544463
2005	male	all maturity st	all shell condi	119.172801	1	4.50327738
2005	female	all maturity st	all shell condi	41.8260294	1	0.47669107
2006	male	all maturity st	all shell condi	65.4982118	1	6.83584321
2006	female	all maturity st	all shell condi	28.3086316	1	2.29393297
2007	male	all maturity st	all shell condi	294.285546	1	2.66857274
2007	female	all maturity st	all shell condi	31.4564539	1	0.85997476
2008	male	all maturity st	all shell condi	83.7820672	1	7.7736392
2008	female	all maturity st	all shell condi	12.814583	1	2.48185366
2009	male	all maturity st	all shell condi	352.51575	1	2.6231108
2009	female	all maturity st	all shell condi	14.5227855	1	1.44674471
2010	male	all maturity st	all shell condi	290.797538	1	1.69457178
2010	female	all maturity st	all shell condi	24.6178831	1	0.5824684
2011	male	all maturity st	all shell condi	157.038017	1	4.0036525
2011	female	all maturity st	all shell condi	22.1024151	1	0.48566488
2012	male	all maturity st	all shell condi	127.50053	1	3.71509579
2012	female	all maturity st	all shell condi	25.0494172	1	0.37412044
2013	male	all maturity st	all shell condi	252.389099	1	2.48548936
2013	female	all maturity st	all shell condi	163.555353	1	0.1890368
2014	male	all maturity st	all shell condi	339.104033	1	3.8414023
2014	female	all maturity st	all shell condi	27.4633601	1	1.0859562
2015	male	all maturity st	all shell condi	474.597099	1	2.04906146
2015	female	all maturity st	all shell condi	65.5217729	1	0.19325867
2016	male	all maturity st	all shell condi	325.262163	1	3.03290781
2016	female	all maturity st	all shell condi	59.6948418	1	0.21373056
all	all sexes	all maturity st	all shell condi	1.5400304	0	30.8320173

all		all sexes	all maturity st	all shell condi	0.08384791	1	0.1546704
	1973	male	all maturity st	all shell condi	385.340533	1	-2.058122
	1973	female	all maturity st	all shell condi	227.605695	1	4.65252384
	1974	male	all maturity st	all shell condi	125.916019	1	1.048428
	1974	female	all maturity st	all shell condi	214.560802	1	3.00007867
	1975	male	all maturity st	all shell condi	97.2513521	1	0.53739088
	1975	female	all maturity st	all shell condi	136.200215	1	2.13310609
	1976	male	all maturity st	all shell condi	75.8130796	1	-1.5468249
	1976	female	all maturity st	all shell condi	111.149212	1	21.2477574
	1977	male	all maturity st	all shell condi	156.645468	1	-1.0491875
	1977	female	all maturity st	all shell condi	285.484542	1	15.1070483
	1978	male	all maturity st	all shell condi	220.125125	1	-2.4136179
	1978	female	all maturity st	all shell condi	155.241265	1	23.1426028
	1979	male	all maturity st	all shell condi	838.897129	1	-5.2148735
	1979	female	all maturity st	all shell condi	495.086463	1	11.5843331
	1980	male	all maturity st	all shell condi	531.250094	1	4.61833626
	1980	female	all maturity st	all shell condi	943.21032	1	1.12402406
	1981	male	all maturity st	all shell condi	434.996901	1	-3.7557913
	1981	female	all maturity st	all shell condi	66.3450386	1	12.484062
	1982	male	all maturity st	all shell condi	306.736715	1	5.47344147
	1982	female	all maturity st	all shell condi	71.5536407	1	19.9360421
	1983	male	all maturity st	all shell condi	402.836896	1	23.8694403
	1983	female	all maturity st	all shell condi	203.223499	1	-7.8146628
	1984	male	all maturity st	all shell condi	590.383665	1	29.6347873
	1984	female	all maturity st	all shell condi	425.578709	1	-16.396839
	1985	male	all maturity st	all shell condi	245.67741	1	21.327494
	1985	female	all maturity st	all shell condi	259.611774	1	-5.0176789
	1986	male	all maturity st	all shell condi	162.251063	1	20.6273517
	1986	female	all maturity st	all shell condi	99.6139669	1	3.13013229
	1987	male	all maturity st	all shell condi	231.257742	1	21.5660577
	1987	female	all maturity st	all shell condi	395.826527	1	2.2542853
	1988	male	all maturity st	all shell condi	291.876931	1	6.31468841
	1988	female	all maturity st	all shell condi	225.327809	1	8.51431696
	1989	male	all maturity st	all shell condi	291.671493	1	1.68370667
	1989	female	all maturity st	all shell condi	681.593349	1	16.2893308
	1990	male	all maturity st	all shell condi	501.305659	1	15.5693687
	1990	female	all maturity st	all shell condi	257.498332	1	-2.8709364
	1991	male	all maturity st	all shell condi	200.749129	1	0.28192615
	1991	female	all maturity st	all shell condi	140.960323	1	9.24132623
	1992	male	all maturity st	all shell condi	145.605215	1	5.01857826
	1992	female	all maturity st	all shell condi	78.4438502	1	3.62510013

1993	male	all maturity st	all shell condi	79.5505632	1	3.53148941
1993	female	all maturity st	all shell condi	167.568876	1	-0.3044807
1994	male	all maturity st	all shell condi	357.862393	1	0.74636327
1994	female	all maturity st	all shell condi	250.317807	1	3.08972299
1995	male	all maturity st	all shell condi	59.8329023	1	10.769413
1995	female	all maturity st	all shell condi	75.8225287	1	5.34361492
1996	male	all maturity st	all shell condi	205.305505	1	9.9435252
1996	female	all maturity st	all shell condi	315.873625	1	-0.8551867
1997	male	all maturity st	all shell condi	66.304813	1	15.4997175
1997	female	all maturity st	all shell condi	200.019761	1	6.39917315
1998	male	all maturity st	all shell condi	197.536689	1	4.16012277
1998	female	all maturity st	all shell condi	256.406097	1	8.50626704
1999	male	all maturity st	all shell condi	418.673643	1	3.84442949
1999	female	all maturity st	all shell condi	1064.57208	1	3.16175889
2000	male	all maturity st	all shell condi	376.21535	1	5.15816901
2000	female	all maturity st	all shell condi	779.191891	1	0.70798967
2001	male	all maturity st	all shell condi	626.960547	1	8.35064185
2001	female	all maturity st	all shell condi	1287.61694	1	-3.3176096
2002	male	all maturity st	all shell condi	479.959686	1	9.67254452
2002	female	all maturity st	all shell condi	852.555936	1	-0.4091163
2003	male	all maturity st	all shell condi	190.799085	1	5.34670816
2003	female	all maturity st	all shell condi	272.158802	1	4.8053989
2004	male	all maturity st	all shell condi	120.988093	1	-2.9700852
2004	female	all maturity st	all shell condi	35.841767	1	35.5213734
2005	male	all maturity st	all shell condi	839.201762	1	5.93376636
2005	female	all maturity st	all shell condi	2239.67976	1	-0.5779061
2006	male	all maturity st	all shell condi	172.310443	1	13.9204494
2006	female	all maturity st	all shell condi	173.16181	1	1.74926624
2007	male	all maturity st	all shell condi	171.021493	1	10.570191
2007	female	all maturity st	all shell condi	107.303708	1	7.84769575
2008	male	all maturity st	all shell condi	166.491867	1	25.9456943
2008	female	all maturity st	all shell condi	236.578328	1	-8.8883344
2009	male	all maturity st	all shell condi	324.007024	1	12.7924309
2009	female	all maturity st	all shell condi	690.232695	1	-6.5363739
2010	male	all maturity st	all shell condi	393.851947	1	7.94222287
2010	female	all maturity st	all shell condi	1562.04793	1	-2.9860028
2011	male	all maturity st	all shell condi	94.1748091	1	10.9899612
2011	female	all maturity st	all shell condi	86.9352285	1	17.1906294
2012	male	all maturity st	all shell condi	263.052837	1	-4.9063178
2012	female	all maturity st	all shell condi	155.231874	1	11.4890041
2013	male	all maturity st	all shell condi	206.7251	1	4.6088924

	2013	female	all maturity st	all shell condi	698.182596	1	8.13545001
	2014	male	all maturity st	all shell condi	1003.51157	1	9.40596051
	2014	female	all maturity st	all shell condi	754.765381	1	-5.4572608
	2015	male	all maturity st	all shell condi	201.115133	1	15.3377032
	2015	female	all maturity st	all shell condi	353.591465	1	1.49043637
	2016	male	all maturity st	all shell condi	197.801315	1	-3.556688
	2016	female	all maturity st	all shell condi	45.7623548	1	28.2572908
all		male	all maturity st	all shell condi	5.01558548	0	289.295123
all		female	all maturity st	all shell condi	2.20357088	0	55.8408331
all		male	all maturity st	all shell condi	2.07359384	1	49.447601
all		female	all maturity st	all shell condi	2.18847078	1	55.0781503
	1992	male	all maturity st	all shell condi	158.187014	1	0.81458517
	1992	female	all maturity st	all shell condi	78.1608779	1	0.12483006
	1993	male	all maturity st	all shell condi	356.943764	1	2.18814677
	1993	female	all maturity st	all shell condi	107.087284	1	0.33458095
	1996	male	all maturity st	all shell condi	92.1384007	1	0.1059723
	1996	female	all maturity st	all shell condi	3.16791101	1	0.0324388
	1997	male	all maturity st	all shell condi	19.286794	1	2.49313608
	1997	female	all maturity st	all shell condi	16.1450799	1	0.15672675
	1998	male	all maturity st	all shell condi	45.6213697	1	0.46716304
	1998	female	all maturity st	all shell condi	9.28093994	1	0.12413328
	1999	male	all maturity st	all shell condi	63.621451	1	0.22071779
	1999	female	all maturity st	all shell condi	11.1525835	1	0.07607784
	2000	male	all maturity st	all shell condi	200.837143	1	0.49457543
	2000	female	all maturity st	all shell condi	16.5325885	1	0.18914916
	2001	male	all maturity st	all shell condi	145.672678	1	0.23164743
	2001	female	all maturity st	all shell condi	8.9599733	1	0.21510807
	2002	male	all maturity st	all shell condi	137.854309	1	0.3250765
	2002	female	all maturity st	all shell condi	10.1146231	1	0.24022841
	2003	male	all maturity st	all shell condi	122.406511	1	0.37122851
	2003	female	all maturity st	all shell condi	13.4768338	1	0.21167331
	2004	male	all maturity st	all shell condi	61.5454982	1	0.44936763
	2004	female	all maturity st	all shell condi	10.8066431	1	0.181681
	2005	male	all maturity st	all shell condi	57.4109172	1	1.37710914
	2005	female	all maturity st	all shell condi	24.414219	1	0.12965104
	2006	male	all maturity st	all shell condi	29.0157005	1	1.65534077
	2006	female	all maturity st	all shell condi	19.7356224	1	0.37283594
	2007	male	all maturity st	all shell condi	132.531531	1	0.90783666
	2007	female	all maturity st	all shell condi	39.5380609	1	0.18520699
	2008	male	all maturity st	all shell condi	42.7570582	1	4.24919789
	2008	female	all maturity st	all shell condi	49.1592556	1	0.23503769

2009	male	all maturity st	all shell condi	20.1091616	1	7.48302872
2009	female	all maturity st	all shell condi	41.5755297	1	0.10244327
2010	male	all maturity st	all shell condi	54.653546	1	0.86480627
2010	female	all maturity st	all shell condi	23.9352713	1	0.08648809
2011	male	all maturity st	all shell condi	91.8916	1	0.30875651
2011	female	all maturity st	all shell condi	4.22058432	1	0.02875315
2012	male	all maturity st	all shell condi	122.711888	1	0.45230681
2012	female	all maturity st	all shell condi	4.42386994	1	0.39659903
2013	male	all maturity st	all shell condi	50.4545724	1	2.13981658
2013	female	all maturity st	all shell condi	6.30439393	1	0.29551338
2014	male	all maturity st	all shell condi	130.258709	1	1.49849947
2014	female	all maturity st	all shell condi	14.7235576	1	0.10007673
2015	male	all maturity st	all shell condi	364.669154	1	0.57925086
2015	female	all maturity st	all shell condi	54.7834197	1	0.10297166
2016	male	all maturity st	all shell condi	29.4297102	1	6.40025678
2016	female	all maturity st	all shell condi	47.7942392	1	0.23785534
2015	male	immature	new shell	0.41153925	5	82.0113029
2016	male	immature	new shell	0.41153925	5	95.9285065
2015	female	immature	new shell	0.31285921	5	69.9711882
2016	female	immature	new shell	0.31285921	5	63.9355978
1994	male	immature	new shell	0.44838011	0	11.4383462
1995	male	immature	new shell	0.44838011	0	26.9405334
1996	male	immature	new shell	0.44838011	0	310.412903
1997	male	immature	new shell	0.44838011	0	419.34328
1998	male	immature	new shell	0.44838011	0	439.964577
1999	male	immature	new shell	0.44838011	0	410.849717
2000	male	immature	new shell	0.44838011	0	646.643291
2001	male	immature	new shell	0.44838011	0	736.067707
2002	male	immature	new shell	0.44838011	0	703.379265
2003	male	immature	new shell	0.44838011	0	246.0983
2004	male	immature	new shell	0.44838011	0	158.074968
2005	male	immature	new shell	0.44838011	0	85.3740707
2006	male	immature	new shell	0.44838011	0	10.5186055
2011	male	immature	new shell	0.44838011	0	1.98074444
2012	male	immature	new shell	0.44838011	0	2.66096313
1994	female	immature	new shell	0.34428365	0	13.355118
1995	female	immature	new shell	0.34428365	0	12.413001
1996	female	immature	new shell	0.34428365	0	203.772517
1997	female	immature	new shell	0.34428365	0	154.131934
1998	female	immature	new shell	0.34428365	0	227.161622
1999	female	immature	new shell	0.34428365	0	263.617591

	2000	female	immature	new shell	0.34428365	0	503.712162
	2001	female	immature	new shell	0.34428365	0	511.735753
	2002	female	immature	new shell	0.34428365	0	317.484087
	2003	female	immature	new shell	0.34428365	0	86.851855
	2004	female	immature	new shell	0.34428365	0	83.0226071
	2005	female	immature	new shell	0.34428365	0	23.5669909
	2006	female	immature	new shell	0.34428365	0	7.17272761
	2012	female	immature	new shell	0.34428365	0	2.29524715
	1990	male		new shell	1.83429788	5	43.5188759
	1991	male		new shell	1.83429788	5	59.8002144
	1992	male		new shell	1.83429788	5	17.039938
	1993	male		new shell	1.83429788	5	21.2053768
	1994	male		new shell	1.83429788	5	18.2422414
	1995	male		new shell	1.83429788	5	11.3410224
	1997	male		new shell	1.83429788	5	11.7956037
	1998	male		new shell	1.83429788	5	18.0497939
	1999	male		new shell	1.83429788	5	14.5074939
	2000	male		new shell	1.83429788	5	19.2023634
	2001	male		new shell	1.83429788	5	24.1039373
	2002	male		new shell	1.83429788	5	15.2723643
	2003	male		new shell	1.83429788	5	9.40323809
	2004	male		new shell	1.83429788	5	16.6393292
	2005	male		new shell	1.83429788	5	52.5698971
	2008	male		new shell	1.83429788	5	37.4012453
	2010	male		new shell	1.83429788	5	47.451857
	2012	male		new shell	1.83429788	5	18.0017736
	2014	male		new shell	1.83429788	5	14.8477546
	2016	male		new shell	1.83429788	5	36.7350777
	2017	male		new shell	1.83429788	5	12.4113906
all		male	immature	new shell	0.09975135	1	2986.35465
all		male	mature	new shell	0.09975135	1	2986.35465
all		male	immature	old shell	0.09975135	1	2986.35465
all		male	mature	old shell	0.09975135	1	2986.35465
all		female	immature	new shell	0.09975135	1	2986.35465
all		female	mature	new shell	0.09975135	1	2986.35465
all		female	immature	old shell	0.09975135	1	2986.35465
all		female	mature	old shell	0.09975135	1	2986.35465
all		male	immature	new shell	0.09975135	1	6866.34244
all		male	mature	new shell	0.09975135	1	6866.34244
all		male	immature	old shell	0.09975135	1	6866.34244
all		male	mature	old shell	0.09975135	1	6866.34244

all		female	immature	new shell	0.09975135	1	6866.34244
all		female	mature	new shell	0.09975135	1	6866.34244
all		female	immature	old shell	0.09975135	1	6866.34244
all		female	mature	old shell	0.09975135	1	6866.34244
all		male	immature	all shell condi	2.61674304	0	147.217898
all		male	mature	all shell condi	1.92762148	0	79.8880784
all		female	immature	all shell condi	2.45701263	0	129.793588
all		female	mature	all shell condi	2.17892303	0	102.075669
all		male	mature	all shell condi	1.91416785	0	78.7768287
all		female	mature	all shell condi	2.10033195	0	94.8449772
	1975	male	immature	all shell condi	901.62263	0	2.60183615
	1975	male	mature	all shell condi	71.0835613	0	49.0031277
	1975	female	immature	all shell condi	225.705815	0	4.099303
	1975	female	mature	all shell condi	140.585946	0	-9.4338447
	1976	male	immature	all shell condi	489.488916	0	7.27480552
	1976	male	mature	all shell condi	169.398861	0	2.61039204
	1976	female	immature	all shell condi	95.8460951	0	20.5534045
	1976	female	mature	all shell condi	241.402618	0	-4.0834914
	1977	male	immature	all shell condi	192.64856	0	3.42429672
	1977	male	mature	all shell condi	158.888746	0	-7.8281662
	1977	female	immature	all shell condi	30.1453486	0	48.6895061
	1977	female	mature	all shell condi	704.031534	0	-2.0202533
	1978	male	immature	all shell condi	370.362663	0	-3.4245293
	1978	male	mature	all shell condi	271.407438	0	1.44030718
	1978	female	immature	all shell condi	60.7121073	0	22.7681065
	1978	female	mature	all shell condi	1451.92026	0	2.12187574
	1979	male	immature	all shell condi	169.146117	0	10.8215091
	1979	male	mature	all shell condi	243.870605	0	-8.0123427
	1979	female	immature	all shell condi	329.876524	0	-3.6329836
	1979	female	mature	all shell condi	56.5308141	0	31.0705709
	1980	male	immature	all shell condi	110.746546	0	23.9415694
	1980	male	mature	all shell condi	137.270712	0	-13.501232
	1980	female	immature	all shell condi	1023.57533	0	1.02215407
	1980	female	mature	all shell condi	39.9878043	0	27.4046262
	1981	male	immature	all shell condi	664.776653	0	4.71831024
	1981	male	mature	all shell condi	271.409889	0	-15.23903
	1981	female	immature	all shell condi	167.299472	0	-4.7278652
	1981	female	mature	all shell condi	20.260303	0	70.9518836
	1982	male	immature	all shell condi	200.151515	0	-13.461753
	1982	male	mature	all shell condi	199.865046	0	-17.50026
	1982	female	immature	all shell condi	157.979476	0	-5.9992578

1982	female	mature	all shell condi	6.03768384	0	149.147541
1983	male	immature	all shell condi	113.533729	0	10.6142827
1983	male	mature	all shell condi	310.978908	0	-10.426696
1983	female	immature	all shell condi	63.2064614	0	21.6525844
1983	female	mature	all shell condi	106.59995	0	19.0584186
1984	male	immature	all shell condi	259.72814	0	-12.537431
1984	male	mature	all shell condi	392.32816	0	8.50480613
1984	female	immature	all shell condi	167.838404	0	-0.3651933
1984	female	mature	all shell condi	73.7570196	0	29.851047
1985	male	immature	all shell condi	173.238229	0	-20.446264
1985	male	mature	all shell condi	109.704013	0	29.2118212
1985	female	immature	all shell condi	153.188823	0	-15.959025
1985	female	mature	all shell condi	52.8290898	0	40.7750863
1986	male	immature	all shell condi	161.420426	0	3.08859753
1986	male	mature	all shell condi	75.965803	0	27.9392367
1986	female	immature	all shell condi	85.0128113	0	-5.4260415
1986	female	mature	all shell condi	221.954056	0	5.39852169
1987	male	immature	all shell condi	88.1575634	0	3.7172341
1987	male	mature	all shell condi	584.900379	0	9.71049524
1987	female	immature	all shell condi	38.6843886	0	58.5414961
1987	female	mature	all shell condi	491.122562	0	-1.3783441
1988	male	immature	all shell condi	206.523261	0	-5.4617076
1988	male	mature	all shell condi	215.950532	0	18.5539071
1988	female	immature	all shell condi	159.780936	0	-9.4586188
1988	female	mature	all shell condi	54.7686573	0	29.7496058
1989	male	immature	all shell condi	189.012768	0	-1.4849463
1989	male	mature	all shell condi	288.813122	0	11.8366137
1989	female	immature	all shell condi	129.439931	0	10.9228192
1989	female	mature	all shell condi	298.310369	0	1.21198249
1990	male	immature	all shell condi	373.632639	0	-8.5726376
1990	male	mature	all shell condi	367.81544	0	0.30197743
1990	female	immature	all shell condi	273.569026	0	4.21552254
1990	female	mature	all shell condi	134.059981	0	22.5325383
1991	male	immature	all shell condi	231.546679	0	-0.2403697
1991	male	mature	all shell condi	453.63345	0	-6.4922369
1991	female	immature	all shell condi	129.748105	0	6.61322006
1991	female	mature	all shell condi	196.869782	0	22.0900151
1992	male	immature	all shell condi	587.361949	0	1.53212472
1992	male	mature	all shell condi	257.55071	0	1.12012649
1992	female	immature	all shell condi	273.19082	0	2.36036935
1992	female	mature	all shell condi	530.24115	0	11.564017

1993	male	immature	all shell condi	1179.5321	0	7.22519634
1993	male	mature	all shell condi	365.32672	0	1.96059204
1993	female	immature	all shell condi	586.493183	0	2.37421103
1993	female	mature	all shell condi	1111.44989	0	-3.1279975
1994	male	immature	all shell condi	367.232924	0	3.05648297
1994	male	mature	all shell condi	493.304768	0	-3.9580761
1994	female	immature	all shell condi	94.450181	0	16.2522724
1994	female	mature	all shell condi	2775.07866	0	0.63119621
1995	male	immature	all shell condi	218.53605	0	-11.398147
1995	male	mature	all shell condi	422.773148	0	2.8152087
1995	female	immature	all shell condi	266.852675	0	-6.6229862
1995	female	mature	all shell condi	45.3660421	0	44.3380405
1996	male	immature	all shell condi	265.430759	0	-13.190139
1996	male	mature	all shell condi	450.393293	0	9.46413167
1996	female	immature	all shell condi	206.917764	0	-7.3179906
1996	female	mature	all shell condi	60.4511502	0	34.2273846
1997	male	immature	all shell condi	208.38709	0	-3.4841964
1997	male	mature	all shell condi	3139.75538	0	-1.3716525
1997	female	immature	all shell condi	73.6443035	0	20.5574345
1997	female	mature	all shell condi	1734.90537	0	2.20529899
1998	male	immature	all shell condi	149.873323	0	7.29678994
1998	male	mature	all shell condi	2083.00099	0	0.36725964
1998	female	immature	all shell condi	219.103423	0	15.8977506
1998	female	mature	all shell condi	487.476495	0	-5.3829197
1999	male	immature	all shell condi	116.635314	0	7.77727382
1999	male	mature	all shell condi	1465.61893	0	1.67049542
1999	female	immature	all shell condi	83.2925308	0	15.1238554
1999	female	mature	all shell condi	796.776351	0	-1.370162
2000	male	immature	all shell condi	151.068933	0	2.72657131
2000	male	mature	all shell condi	1074.96131	0	5.72697789
2000	female	immature	all shell condi	279.332729	0	4.20722856
2000	female	mature	all shell condi	435.948368	0	1.60725292
2001	male	immature	all shell condi	223.408647	0	7.93792336
2001	male	mature	all shell condi	731.303044	0	-4.6441729
2001	female	immature	all shell condi	154.381295	0	18.7558125
2001	female	mature	all shell condi	635.393722	0	-3.8217945
2002	male	immature	all shell condi	138.658102	0	5.30649299
2002	male	mature	all shell condi	1468.15735	0	-2.399647
2002	female	immature	all shell condi	91.53199	0	21.1695482
2002	female	mature	all shell condi	1926.32395	0	-2.276229
2003	male	immature	all shell condi	348.571188	0	-0.5909172

2003	male	mature	all shell condi	3062.93549	0	2.56707313
2003	female	immature	all shell condi	281.065671	0	-3.2414887
2003	female	mature	all shell condi	138.265545	0	14.4117179
2004	male	immature	all shell condi	139.030219	0	0.16773936
2004	male	mature	all shell condi	417.411011	0	16.5646172
2004	female	immature	all shell condi	86.3401857	0	18.2052243
2004	female	mature	all shell condi	563.236939	0	-2.4453046
2005	male	immature	all shell condi	220.583959	0	-1.9457654
2005	male	mature	all shell condi	1860.4033	0	-3.1105016
2005	female	immature	all shell condi	199.321266	0	21.4493382
2005	female	mature	all shell condi	4728.27859	0	0.00092306
2006	male	immature	all shell condi	627.00274	0	2.6473219
2006	male	mature	all shell condi	1999.11231	0	0.87605629
2006	female	immature	all shell condi	233.077358	0	11.1434336
2006	female	mature	all shell condi	1320.4766	0	-2.9550006
2007	male	immature	all shell condi	280.035908	0	19.8135134
2007	male	mature	all shell condi	1179.49781	0	0.47502563
2007	female	immature	all shell condi	624.782751	0	3.67274193
2007	female	mature	all shell condi	266.094759	0	-9.0889191
2008	male	immature	all shell condi	1454.09026	0	5.3678464
2008	male	mature	all shell condi	1536.02771	0	0.62725843
2008	female	immature	all shell condi	597.58418	0	3.35456738
2008	female	mature	all shell condi	1135.39194	0	-2.8890998
2009	male	immature	all shell condi	213.389368	0	-0.6692725
2009	male	mature	all shell condi	782.779693	0	4.10755568
2009	female	immature	all shell condi	150.048841	0	5.24897128
2009	female	mature	all shell condi	661.521649	0	5.26736677
2010	male	immature	all shell condi	309.770789	0	-6.3796534
2010	male	mature	all shell condi	293.154728	0	16.42481
2010	female	immature	all shell condi	308.035959	0	-2.434356
2010	female	mature	all shell condi	5296.37328	0	1.52641095
2011	male	immature	all shell condi	429.713476	0	0.91281648
2011	male	mature	all shell condi	1938.57981	0	4.24875913
2011	female	immature	all shell condi	221.542153	0	10.2142392
2011	female	mature	all shell condi	599.403624	0	-3.8672922
2012	male	immature	all shell condi	464.616612	0	7.80967466
2012	male	mature	all shell condi	3017.57013	0	1.77152845
2012	female	immature	all shell condi	215.388697	0	1.82005618
2012	female	mature	all shell condi	728.272368	0	-0.1380726
2013	male	immature	all shell condi	584.092693	0	3.44451643
2013	male	mature	all shell condi	306.054637	0	6.41239586

	2013	female	immature	all shell condi	348.989446	0	1.91124493
	2013	female	mature	all shell condi	1553.47024	0	1.63560903
	2014	male	immature	all shell condi	390.115777	0	8.34051293
	2014	male	mature	all shell condi	633.80756	0	2.73291874
	2014	female	immature	all shell condi	80.0233835	0	17.7519141
	2014	female	mature	all shell condi	690.354708	0	-5.1082215
	2015	male	immature	all shell condi	1000.24702	0	2.65843211
	2015	male	mature	all shell condi	706.26293	0	1.22071818
	2015	female	immature	all shell condi	400.061504	0	4.26944021
	2015	female	mature	all shell condi	242.620899	0	5.47281478
	2016	male	immature	all shell condi	454.207093	0	1.85035292
	2016	male	mature	all shell condi	179.445726	0	22.2312362
	2016	female	immature	all shell condi	309.090017	0	0.62978046
	2016	female	mature	all shell condi	308.744609	0	-1.6812891
	2017	male	immature	all shell condi	81.3939514	0	-3.3782667
	2017	male	mature	all shell condi	125.55669	0	27.6026042
	2017	female	immature	all shell condi	46.0494531	0	13.9157077
	2017	female	mature	all shell condi	319.991753	0	6.20775235
all		male	all maturity st	new shell	2.5399299	1	138.701744
all		male	all maturity st	old shell	3.54514246	1	270.212753
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
all		male	all maturity st	new shell	2.37021188	1	120.784944
all		male	all maturity st	old shell	2.74149357	1	161.58942
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
	1975	male	all maturity st	new shell	59.9838792	1	31.0658545
	1975	male	all maturity st	old shell	25.1654128	1	42.6212658
	1976	male	all maturity st	new shell	164.786456	1	10.3839822
	1976	male	all maturity st	old shell	17.9403424	1	66.2166345
	1977	male	all maturity st	new shell	88.2691828	1	15.0563786
	1977	male	all maturity st	old shell	59.2464692	1	25.8154757
	1978	male	all maturity st	new shell	144.828817	1	9.79218446
	1978	male	all maturity st	old shell	44.7610132	1	30.0499842
	1979	male	all maturity st	new shell	79.7722414	1	11.1109197
	1979	male	all maturity st	old shell	30.9082965	1	39.9938292
	1980	male	all maturity st	new shell	54.5300011	1	15.7835599
	1980	male	all maturity st	old shell	29.6572512	1	40.6330783
	1981	male	all maturity st	new shell	81.1951043	1	14.2578931
	1981	male	all maturity st	old shell	24.1094074	1	42.1973283
	1982	male	all maturity st	new shell	78.3149429	1	16.0697918

1982	male	all maturity st	old shell	333.345161	1 3.8672997
1983	male	all maturity st	new shell	38.0818377	1 25.5985029
1983	male	all maturity st	old shell	96.4783375	1 12.5692065
1984	male	all maturity st	new shell	86.2222375	1 7.55587705
1984	male	all maturity st	old shell	61.3678752	1 18.1114987
1985	male	all maturity st	new shell	134.759158	1 11.3169999
1985	male	all maturity st	old shell	54.7292715	1 22.3940185
1986	male	all maturity st	new shell	57.6857236	1 16.3494095
1986	male	all maturity st	old shell	106.510377	1 9.82930617
1987	male	all maturity st	new shell	40.0862178	1 19.450089
1987	male	all maturity st	old shell	144.38593	1 9.75211612
1988	male	all maturity st	new shell	74.4214911	1 15.9006801
1988	male	all maturity st	old shell	145.770356	1 9.39718821
1989	male	all maturity st	new shell	83.2667705	1 14.6479155
1989	male	all maturity st	old shell	292.560319	1 4.07729507
1990	male	all maturity st	new shell	194.731935	1 7.40191355
1990	male	all maturity st	old shell	78.1451483	1 11.3471892
1991	male	all maturity st	new shell	134.624547	1 9.31913996
1991	male	all maturity st	old shell	79.2792845	1 15.3470503
1992	male	all maturity st	new shell	177.102043	1 7.41365876
1992	male	all maturity st	old shell	61.919059	1 15.0458061
1993	male	all maturity st	new shell	422.427953	1 2.92323425
1993	male	all maturity st	old shell	102.47231	1 7.25022542
1994	male	all maturity st	new shell	131.357329	1 8.25549282
1994	male	all maturity st	old shell	100.794602	1 7.71100175
1995	male	all maturity st	new shell	96.7198938	1 10.9312165
1995	male	all maturity st	old shell	92.3860927	1 9.9237459
1996	male	all maturity st	new shell	142.474297	1 10.5298912
1996	male	all maturity st	old shell	89.1463236	1 8.95140907
1997	male	all maturity st	new shell	80.7681985	1 10.2537088
1997	male	all maturity st	old shell	299.300576	1 4.60674891
1998	male	all maturity st	new shell	69.8895287	1 11.6693215
1998	male	all maturity st	old shell	286.247861	1 5.52890804
1999	male	all maturity st	new shell	60.553443	1 11.9436334
1999	male	all maturity st	old shell	126.645026	1 8.60229333
2000	male	all maturity st	new shell	74.5325038	1 8.26565544
2000	male	all maturity st	old shell	132.413825	1 9.42942815
2001	male	all maturity st	new shell	86.7615339	1 11.1903238
2001	male	all maturity st	old shell	198.198397	1 6.82900836
2002	male	all maturity st	new shell	46.2944235	1 17.2277364
2002	male	all maturity st	old shell	440.569304	1 4.08090571

	2003	male	all maturity st	new shell	143.597998	1	7.05232966
	2003	male	all maturity st	old shell	257.877047	1	5.63260771
	2004	male	all maturity st	new shell	64.6145321	1	12.8674838
	2004	male	all maturity st	old shell	50.2340481	1	75.606071
	2005	male	all maturity st	new shell	94.2523439	1	11.1757015
	2005	male	all maturity st	old shell	567.787261	1	3.4724035
	2006	male	all maturity st	new shell	145.771765	1	8.58805177
	2006	male	all maturity st	old shell	305.679796	1	6.38124094
	2007	male	all maturity st	new shell	221.945049	1	7.36607952
	2007	male	all maturity st	old shell	301.976183	1	8.55018781
	2008	male	all maturity st	new shell	831.609707	1	2.11071826
	2008	male	all maturity st	old shell	226.939052	1	8.27735051
	2009	male	all maturity st	new shell	97.2473243	1	8.84021957
	2009	male	all maturity st	old shell	163.319317	1	7.09251878
	2010	male	all maturity st	new shell	102.019594	1	11.3923068
	2010	male	all maturity st	old shell	239.365568	1	5.9444985
	2011	male	all maturity st	new shell	216.724355	1	3.76973695
	2011	male	all maturity st	old shell	195.02974	1	6.86404796
	2012	male	all maturity st	new shell	289.767043	1	3.30440393
	2012	male	all maturity st	old shell	116.56502	1	11.5523133
	2013	male	all maturity st	new shell	148.346603	1	8.02748385
	2013	male	all maturity st	old shell	213.954389	1	9.46532725
	2014	male	all maturity st	new shell	222.233896	1	6.92037882
	2014	male	all maturity st	old shell	111.317319	1	8.62439684
	2015	male	all maturity st	new shell	472.221993	1	5.192213
	2015	male	all maturity st	old shell	161.087446	1	6.74433731
	2016	male	all maturity st	new shell	177.061515	1	9.25340576
	2016	male	all maturity st	old shell	109.975477	1	10.4242616
	2017	male	all maturity st	new shell	21.2759408	1	22.2318386
	2017	male	all maturity st	old shell	98.096414	1	11.0710084
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.45701263	1	129.793588
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.28290048	1	112.050144
all		female	mature	old shell	2.39834243	1	123.668998
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0

all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.25563093	1	109.389225
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.25185457	1	109.023254
all		female	mature	old shell	2.28035614	1	111.800519
	1975	female	immature	new shell	24.7970675	1	16.8206089
	1975	female	mature	new shell	105.190646	1	3.25956853
	1975	female	mature	old shell	11.5797157	1	21.4412982
	1976	female	immature	new shell	33.1419116	1	10.4098703
	1976	female	mature	new shell	173.927778	1	2.61795501
	1976	female	mature	old shell	12.85728	1	21.7991226
	1977	female	immature	new shell	31.8760152	1	9.55318789
	1977	female	mature	new shell	430.229775	1	2.33411095
	1977	female	mature	old shell	43.9969007	1	7.71749606
	1978	female	immature	new shell	23.7880795	1	11.4915129
	1978	female	mature	new shell	80.8762986	1	3.26845169
	1978	female	mature	old shell	90.5823475	1	3.60481055
	1979	female	immature	new shell	40.4058634	1	5.24374564
	1979	female	mature	new shell	22.321167	1	15.66686
	1979	female	mature	old shell	47.4484113	1	6.47613456
	1980	female	immature	new shell	123.501769	1	2.76991018
	1980	female	mature	new shell	9.00574252	1	25.2756012
	1980	female	mature	old shell	38.3564766	1	6.53692023
	1981	female	immature	new shell	27.9225118	1	15.8441369
	1981	female	mature	new shell	7.97424102	1	40.91074
	1981	female	mature	old shell	158.432986	1	4.33149099
	1982	female	immature	new shell	32.8740198	1	20.1089115
	1982	female	mature	new shell	7.8036918	1	30.3312902
	1982	female	mature	old shell	22.6203056	1	11.7032441
	1983	female	immature	new shell	23.8058127	1	12.8056099
	1983	female	mature	new shell	56.7550126	1	6.65091243
	1983	female	mature	old shell	64.9555471	1	4.08110795
	1984	female	immature	new shell	35.2336133	1	6.26897707
	1984	female	mature	new shell	27.6680222	1	7.9807827
	1984	female	mature	old shell	226.18555	1	1.87939946
	1985	female	immature	new shell	164.017698	1	3.2182403
	1985	female	mature	new shell	13.0161819	1	35.6640619
	1985	female	mature	old shell	230.50416	1	2.14305149
	1986	female	immature	new shell	36.1936298	1	10.3726567
	1986	female	mature	new shell	8.23216353	1	29.8497477
	1986	female	mature	old shell	36.7551326	1	8.40211237

1987	female	immature	new shell	14.1469359	1	45.8659599
1987	female	mature	new shell	37.136065	1	10.5474764
1987	female	mature	old shell	24.4113254	1	15.9271564
1988	female	immature	new shell	95.8837275	1	8.36310409
1988	female	mature	new shell	13.0984172	1	27.1603437
1988	female	mature	old shell	37.9468936	1	9.88263536
1989	female	immature	new shell	40.9738551	1	6.48729227
1989	female	mature	new shell	21.4998341	1	14.5983902
1989	female	mature	old shell	37.9738092	1	11.5316973
1990	female	immature	new shell	54.0001959	1	5.57994612
1990	female	mature	new shell	158.568532	1	2.11401486
1990	female	mature	old shell	31.9350598	1	12.1378389
1991	female	immature	new shell	17.7521459	1	16.8574514
1991	female	mature	new shell	85.8636334	1	3.38140988
1991	female	mature	old shell	136.586639	1	3.42396169
1992	female	immature	new shell	25.2700061	1	15.9781912
1992	female	mature	new shell	60.2086029	1	6.24282344
1992	female	mature	old shell	125.655776	1	3.26749572
1993	female	immature	new shell	54.4101464	1	8.68328516
1993	female	mature	new shell	26.0040639	1	10.2031082
1993	female	mature	old shell	216.174527	1	1.74099784
1994	female	immature	new shell	27.1764547	1	12.0794591
1994	female	mature	new shell	38.6406338	1	10.0001449
1994	female	mature	old shell	445.347156	1	1.22458225
1995	female	immature	new shell	81.2749524	1	6.20335519
1995	female	mature	new shell	27.9788117	1	13.918035
1995	female	mature	old shell	803.190174	1	0.50851409
1996	female	immature	new shell	74.1139997	1	7.08765309
1996	female	mature	new shell	30.9531119	1	9.93207575
1996	female	mature	old shell	293.281746	1	1.31949222
1997	female	immature	new shell	34.8154983	1	7.63921054
1997	female	mature	new shell	106.672285	1	3.30792689
1997	female	mature	old shell	205.719673	1	2.28628419
1998	female	immature	new shell	129.511343	1	3.06539972
1998	female	mature	new shell	63.1706285	1	6.21855934
1998	female	mature	old shell	206.973595	1	3.06859142
1999	female	immature	new shell	31.8028439	1	8.8066557
1999	female	mature	new shell	21.4212379	1	11.1579104
1999	female	mature	old shell	143.186786	1	2.37886684
2000	female	immature	new shell	88.419694	1	2.73822965
2000	female	mature	new shell	57.3946566	1	4.84499414

2000	female	mature	old shell	30.3751003	1	11.3437986
2001	female	immature	new shell	115.647889	1	2.73970862
2001	female	mature	new shell	121.743272	1	5.79493785
2001	female	mature	old shell	60.3323476	1	4.80620316
2002	female	immature	new shell	51.5410837	1	5.26574192
2002	female	mature	new shell	36.1547521	1	8.88262799
2002	female	mature	old shell	93.9248978	1	2.93916559
2003	female	immature	new shell	81.6991189	1	4.00626805
2003	female	mature	new shell	96.7405233	1	3.61592053
2003	female	mature	old shell	43.689709	1	9.59169582
2004	female	immature	new shell	34.5853706	1	9.96495436
2004	female	mature	new shell	239.079514	1	1.16297188
2004	female	mature	old shell	40.7837239	1	10.6440245
2005	female	immature	new shell	322.272124	1	2.03629213
2005	female	mature	new shell	130.118279	1	4.07711852
2005	female	mature	old shell	259.536538	1	2.95008305
2006	female	immature	new shell	64.8517829	1	5.91092665
2006	female	mature	new shell	311.459117	1	1.92639198
2006	female	mature	old shell	122.131589	1	3.63758067
2007	female	immature	new shell	102.631877	1	4.85763248
2007	female	mature	new shell	70.0281462	1	6.32654332
2007	female	mature	old shell	799.802996	1	0.74150467
2008	female	immature	new shell	85.5751512	1	4.78178783
2008	female	mature	new shell	88.7611935	1	5.18324206
2008	female	mature	old shell	423.74043	1	1.39461889
2009	female	immature	new shell	36.270501	1	6.85693289
2009	female	mature	new shell	34.6252755	1	6.24762618
2009	female	mature	old shell	316.687942	1	1.10632358
2010	female	immature	new shell	114.602469	1	3.01834678
2010	female	mature	new shell	189.722515	1	2.16414828
2010	female	mature	old shell	694.08956	1	1.07515729
2011	female	immature	new shell	71.879831	1	5.34922612
2011	female	mature	new shell	42.4167864	1	5.61292082
2011	female	mature	old shell	292.20843	1	2.18116132
2012	female	immature	new shell	54.479233	1	7.19724225
2012	female	mature	new shell	42.5966961	1	5.75875779
2012	female	mature	old shell	271.786275	1	1.40295765
2013	female	immature	new shell	64.7649625	1	7.67121803
2013	female	mature	new shell	459.536079	1	0.88005075
2013	female	mature	old shell	62.5855039	1	4.95155164
2014	female	immature	new shell	14.7785887	1	26.06217

	2014	female	mature	new shell	52.8754799	1	4.17634756
	2014	female	mature	old shell	84.0935132	1	4.17228635
	2015	female	immature	new shell	53.3494902	1	8.50401749
	2015	female	mature	new shell	17.8210885	1	13.6216834
	2015	female	mature	old shell	95.1869691	1	3.53904266
	2016	female	immature	new shell	36.6642766	1	11.7376005
	2016	female	mature	new shell	58.4045107	1	8.82928864
	2016	female	mature	old shell	41.1852685	1	6.62888471
	2017	female	immature	new shell	10.5866084	1	20.4492147
	2017	female	mature	new shell	26.5996627	1	17.598074
	2017	female	mature	old shell	65.6810052	1	3.54216803
all		male	all maturity st	all shell condi	4.33916614	0	357.738893
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	1.16081644	1	25.6024014
all		female	all maturity st	all shell condi	0	1	0
	1980	male	all maturity st	all shell condi	18.516942	1	16.7449752
	1981	male	all maturity st	all shell condi	192.601525	1	1.92025978
	1982	male	all maturity st	all shell condi	102.609197	1	6.18409425
	1983	male	all maturity st	all shell condi	31.907227	1	2.17178506
	1984	male	all maturity st	all shell condi	103.126285	1	1.65154867
	1988	male	all maturity st	all shell condi	39.9317278	1	12.1018514
	1989	male	all maturity st	all shell condi	93.5214351	1	1.59988064
	1990	male	all maturity st	all shell condi	31.6157127	1	18.7065452
	1991	male	all maturity st	all shell condi	705.541478	1	2.12457819
	1992	male	all maturity st	all shell condi	91.1901955	1	16.1043592
	1993	male	all maturity st	all shell condi	169.623117	1	10.1525856
	1994	male	all maturity st	all shell condi	117.35668	1	16.3941091
	1995	male	all maturity st	all shell condi	10.9935629	1	5.52843546
	1996	male	all maturity st	all shell condi	216.866416	1	1.40789542
	2005	male	all maturity st	all shell condi	11.1495932	1	1.86000577
	2006	male	all maturity st	all shell condi	271.427351	1	1.01064799
	2007	male	all maturity st	all shell condi	238.616941	1	2.22412386
	2008	male	all maturity st	all shell condi	203.259866	1	1.60501068
	2009	male	all maturity st	all shell condi	32.6944156	1	2.01757179
	2013	male	all maturity st	all shell condi	163.429859	1	1.13714494
	2014	male	all maturity st	all shell condi	293.74072	1	2.64966333
	2015	male	all maturity st	all shell condi	268.660364	1	6.02314732
all		male	all maturity st	all shell condi	4.42644833	1	127.357391
all		female	all maturity st	all shell condi	6.08707307	1	240.840981
	1991	male	all maturity st	all shell condi	141.4673	1	12.4962817
	1991	female	all maturity st	all shell condi	175.925051	1	1.87435116

	1992	male	all maturity st	all shell condi	218.119417	1	14.4269089
	1992	female	all maturity st	all shell condi	1476.05768	1	0.27492268
	1993	male	all maturity st	all shell condi	124.277753	1	17.9004379
	1993	female	all maturity st	all shell condi	253.716013	1	1.05627886
	1994	male	all maturity st	all shell condi	223.292698	1	2.72566672
	1994	female	all maturity st	all shell condi	80.2354002	1	1.19899781
	1995	male	all maturity st	all shell condi	14.2095289	1	22.426851
	1995	female	all maturity st	all shell condi	136.45986	1	0.82775296
	1996	male	all maturity st	all shell condi	25.4610764	1	1.64870334
	1996	female	all maturity st	all shell condi	138.843819	1	0.07605744
	2005	male	all maturity st	all shell condi	148.478208	1	15.7323398
	2005	female	all maturity st	all shell condi	40.5192049	1	1.02389505
	2006	male	all maturity st	all shell condi	293.456487	1	5.90318723
	2006	female	all maturity st	all shell condi	296.470949	1	0.91988026
	2007	male	all maturity st	all shell condi	394.812525	1	5.24789256
	2007	female	all maturity st	all shell condi	308.151946	1	0.39146476
	2008	male	all maturity st	all shell condi	498.532634	1	7.72307076
	2008	female	all maturity st	all shell condi	42.0954957	1	0.35453372
	2009	male	all maturity st	all shell condi	59.444339	1	11.532856
	2009	female	all maturity st	all shell condi	26.3478751	1	0.15918444
	2013	male	all maturity st	all shell condi	1004.01367	1	1.68215556
	2013	female	all maturity st	all shell condi	65.7387426	1	0.52803743
	2014	male	all maturity st	all shell condi	431.638162	1	7.48046673
	2014	female	all maturity st	all shell condi	157.510051	1	0.27012275
	2015	male	all maturity st	all shell condi	256.250934	1	9.4420777
	2015	female	all maturity st	all shell condi	74.2944589	1	1.26721842
all		male	all maturity st	all shell condi	5.02646713	0	315.817148
all		female	all maturity st	all shell condi	4.57591005	0	261.736909
all		male	all maturity st	all shell condi	2.07989229	1	54.0743993
all		female	all maturity st	all shell condi	2.03817184	1	51.9268058
	1992	male	all maturity st	all shell condi	76.9989277	1	5.30871646
	1992	female	all maturity st	all shell condi	23.654791	1	0.76948756
	1993	male	all maturity st	all shell condi	299.412002	1	1.35810642
	1993	female	all maturity st	all shell condi	44.1292297	1	1.00970534
	1994	male	all maturity st	all shell condi	99.5817988	1	1.17342578
	1994	female	all maturity st	all shell condi	32.8398197	1	2.30935333
	1995	male	all maturity st	all shell condi	291.595882	1	0.48463899
	1995	female	all maturity st	all shell condi	48.9796705	1	0.30076691
	1996	male	all maturity st	all shell condi	50.3438562	1	5.48823512
	1996	female	all maturity st	all shell condi	63.7645804	1	0.40168228
	1997	male	all maturity st	all shell condi	849.557053	1	0.76404634

	1997	female	all maturity st	all shell condi	56.356191	1	0.22950477
	1998	male	all maturity st	all shell condi	821.132254	1	0.41710559
	1998	female	all maturity st	all shell condi	10.1674596	1	0.65600892
	1999	male	all maturity st	all shell condi	214.197997	1	0.30211988
	1999	female	all maturity st	all shell condi	13.7560129	1	0.13373115
	2000	male	all maturity st	all shell condi	478.795195	1	0.26866191
	2000	female	all maturity st	all shell condi	14.8663044	1	0.14854898
	2001	male	all maturity st	all shell condi	591.022908	1	0.47118877
	2001	female	all maturity st	all shell condi	38.5715126	1	0.11507082
	2002	male	all maturity st	all shell condi	38.6396447	1	1.17211824
	2002	female	all maturity st	all shell condi	20.6377977	1	0.11968115
	2003	male	all maturity st	all shell condi	63.4705515	1	0.55906282
	2003	female	all maturity st	all shell condi	20.1777358	1	0.17387702
	2004	male	all maturity st	all shell condi	16.6704617	1	2.32798164
	2004	female	all maturity st	all shell condi	23.5343921	1	0.79535638
	2005	male	all maturity st	all shell condi	114.116702	1	4.69620304
	2005	female	all maturity st	all shell condi	44.3135229	1	0.45739248
	2006	male	all maturity st	all shell condi	68.3777328	1	6.5732365
	2006	female	all maturity st	all shell condi	28.7661962	1	2.26026553
	2007	male	all maturity st	all shell condi	284.075372	1	2.7164353
	2007	female	all maturity st	all shell condi	32.5894404	1	0.82086789
	2008	male	all maturity st	all shell condi	81.405803	1	7.99456607
	2008	female	all maturity st	all shell condi	12.7357762	1	2.48916077
	2009	male	all maturity st	all shell condi	342.988531	1	2.63953091
	2009	female	all maturity st	all shell condi	14.6238624	1	1.40799027
	2010	male	all maturity st	all shell condi	297.905437	1	1.65634442
	2010	female	all maturity st	all shell condi	25.7933283	1	0.55420749
	2011	male	all maturity st	all shell condi	160.723311	1	3.97464445
	2011	female	all maturity st	all shell condi	23.2245892	1	0.47120306
	2012	male	all maturity st	all shell condi	128.305623	1	3.69557191
	2012	female	all maturity st	all shell condi	24.852667	1	0.38163897
	2013	male	all maturity st	all shell condi	253.94141	1	2.59651831
	2013	female	all maturity st	all shell condi	167.714852	1	0.18326984
	2014	male	all maturity st	all shell condi	381.672725	1	3.3068043
	2014	female	all maturity st	all shell condi	29.9545401	1	0.98916704
	2015	male	all maturity st	all shell condi	503.727029	1	1.83615943
	2015	female	all maturity st	all shell condi	72.6537945	1	0.17640362
	2016	male	all maturity st	all shell condi	310.327904	1	3.16886003
	2016	female	all maturity st	all shell condi	61.4355552	1	0.20680873
all		all sexes	all maturity st	all shell condi	1.55773758	0	31.5451028
all		all sexes	all maturity st	all shell condi	0.08009315	1	0.14112807

1973	male	all maturity st	all shell condi	387.117176	1	-2.0759789
1973	female	all maturity st	all shell condi	211.834918	1	4.77205539
1974	male	all maturity st	all shell condi	124.253271	1	1.08525002
1974	female	all maturity st	all shell condi	210.015956	1	3.04107002
1975	male	all maturity st	all shell condi	95.8140247	1	0.57593815
1975	female	all maturity st	all shell condi	134.820149	1	2.14028928
1976	male	all maturity st	all shell condi	75.6188244	1	-1.5213036
1976	female	all maturity st	all shell condi	111.409471	1	21.2386735
1977	male	all maturity st	all shell condi	154.493715	1	-1.0142306
1977	female	all maturity st	all shell condi	278.281449	1	15.3576779
1978	male	all maturity st	all shell condi	222.070922	1	-3.0306426
1978	female	all maturity st	all shell condi	147.888041	1	24.069752
1979	male	all maturity st	all shell condi	772.116369	1	-5.2596593
1979	female	all maturity st	all shell condi	434.199227	1	11.9998395
1980	male	all maturity st	all shell condi	557.761518	1	4.70480225
1980	female	all maturity st	all shell condi	996.484908	1	1.03330661
1981	male	all maturity st	all shell condi	450.701334	1	-3.686529
1981	female	all maturity st	all shell condi	67.8029347	1	12.1783868
1982	male	all maturity st	all shell condi	314.483587	1	5.61409252
1982	female	all maturity st	all shell condi	71.2930645	1	19.4566767
1983	male	all maturity st	all shell condi	404.125521	1	24.2735492
1983	female	all maturity st	all shell condi	193.942794	1	-7.8971245
1984	male	all maturity st	all shell condi	648.68201	1	28.7692635
1984	female	all maturity st	all shell condi	408.401565	1	-15.811044
1985	male	all maturity st	all shell condi	245.403958	1	20.5035017
1985	female	all maturity st	all shell condi	272.839251	1	-4.6315823
1986	male	all maturity st	all shell condi	161.219141	1	20.2469135
1986	female	all maturity st	all shell condi	98.5105803	1	3.46285706
1987	male	all maturity st	all shell condi	225.165911	1	21.5520238
1987	female	all maturity st	all shell condi	381.733082	1	2.86549508
1988	male	all maturity st	all shell condi	285.587221	1	6.31828223
1988	female	all maturity st	all shell condi	228.506288	1	8.54010067
1989	male	all maturity st	all shell condi	292.961371	1	2.29073948
1989	female	all maturity st	all shell condi	679.7039	1	16.0607016
1990	male	all maturity st	all shell condi	486.758098	1	16.0848938
1990	female	all maturity st	all shell condi	246.51429	1	-2.9846717
1991	male	all maturity st	all shell condi	197.552562	1	0.69260941
1991	female	all maturity st	all shell condi	139.930988	1	8.78170358
1992	male	all maturity st	all shell condi	141.566277	1	5.37186963
1992	female	all maturity st	all shell condi	75.625982	1	3.44444463
1993	male	all maturity st	all shell condi	76.6263408	1	3.6693094

1993	female	all maturity st	all shell condi	162.181545	1	-0.340077
1994	male	all maturity st	all shell condi	367.803987	1	0.86531078
1994	female	all maturity st	all shell condi	270.719872	1	2.75784851
1995	male	all maturity st	all shell condi	57.5225749	1	11.3271157
1995	female	all maturity st	all shell condi	70.3035491	1	5.54332784
1996	male	all maturity st	all shell condi	197.94799	1	10.2411383
1996	female	all maturity st	all shell condi	325.441283	1	-1.0530353
1997	male	all maturity st	all shell condi	66.0076124	1	15.3365237
1997	female	all maturity st	all shell condi	198.187214	1	6.43135179
1998	male	all maturity st	all shell condi	192.845272	1	4.06311834
1998	female	all maturity st	all shell condi	249.524182	1	8.59092405
1999	male	all maturity st	all shell condi	422.119674	1	3.5723727
1999	female	all maturity st	all shell condi	1010.13015	1	3.31688616
2000	male	all maturity st	all shell condi	388.173285	1	4.85946452
2000	female	all maturity st	all shell condi	784.848728	1	0.76588786
2001	male	all maturity st	all shell condi	637.462514	1	8.50936104
2001	female	all maturity st	all shell condi	1243.88163	1	-3.2776161
2002	male	all maturity st	all shell condi	480.588408	1	9.36551473
2002	female	all maturity st	all shell condi	874.121653	1	-0.3778127
2003	male	all maturity st	all shell condi	197.01396	1	4.87684119
2003	female	all maturity st	all shell condi	281.722213	1	4.79617082
2004	male	all maturity st	all shell condi	117.795965	1	-3.0394455
2004	female	all maturity st	all shell condi	34.8940518	1	36.2785244
2005	male	all maturity st	all shell condi	1032.4625	1	5.26893761
2005	female	all maturity st	all shell condi	2112.13404	1	-0.3035735
2006	male	all maturity st	all shell condi	166.345769	1	14.1912334
2006	female	all maturity st	all shell condi	171.995386	1	1.85562107
2007	male	all maturity st	all shell condi	175.054504	1	10.1307965
2007	female	all maturity st	all shell condi	106.170696	1	7.72650039
2008	male	all maturity st	all shell condi	176.81379	1	25.3977515
2008	female	all maturity st	all shell condi	235.865809	1	-9.1135031
2009	male	all maturity st	all shell condi	334.525312	1	12.5903444
2009	female	all maturity st	all shell condi	599.398227	1	-6.5623619
2010	male	all maturity st	all shell condi	428.242306	1	7.5173017
2010	female	all maturity st	all shell condi	1463.99504	1	-2.9458885
2011	male	all maturity st	all shell condi	95.0022055	1	10.5194802
2011	female	all maturity st	all shell condi	83.4787024	1	17.5620913
2012	male	all maturity st	all shell condi	298.106129	1	-5.511027
2012	female	all maturity st	all shell condi	139.624948	1	11.9224487
2013	male	all maturity st	all shell condi	222.980494	1	4.76428751
2013	female	all maturity st	all shell condi	609.698624	1	8.29548764

	2014	male	all maturity st	all shell condi	811.817264	1	9.96893591
	2014	female	all maturity st	all shell condi	731.565144	1	-5.8837041
	2015	male	all maturity st	all shell condi	228.977347	1	13.968575
	2015	female	all maturity st	all shell condi	360.839999	1	1.14115319
	2016	male	all maturity st	all shell condi	215.929193	1	-4.2420485
	2016	female	all maturity st	all shell condi	45.608147	1	28.1819466
all		male	all maturity st	all shell condi	5.00923511	0	288.563018
all		female	all maturity st	all shell condi	2.22130437	0	56.7432206
all		male	all maturity st	all shell condi	2.07541002	1	49.5342574
all		female	all maturity st	all shell condi	2.19157051	1	55.2342849
	1992	male	all maturity st	all shell condi	152.349173	1	0.81359849
	1992	female	all maturity st	all shell condi	77.9061088	1	0.12505791
	1993	male	all maturity st	all shell condi	369.860677	1	1.93984198
	1993	female	all maturity st	all shell condi	108.305029	1	0.33332739
	1996	male	all maturity st	all shell condi	91.4257096	1	0.1026441
	1996	female	all maturity st	all shell condi	3.17081747	1	0.03242529
	1997	male	all maturity st	all shell condi	19.4999785	1	2.44362331
	1997	female	all maturity st	all shell condi	16.2156237	1	0.15502329
	1998	male	all maturity st	all shell condi	45.8070034	1	0.4616572
	1998	female	all maturity st	all shell condi	9.33785759	1	0.12375405
	1999	male	all maturity st	all shell condi	63.3198286	1	0.2194153
	1999	female	all maturity st	all shell condi	11.2650644	1	0.07555519
	2000	male	all maturity st	all shell condi	205.535059	1	0.4842877
	2000	female	all maturity st	all shell condi	16.6811409	1	0.18890915
	2001	male	all maturity st	all shell condi	137.542835	1	0.23438401
	2001	female	all maturity st	all shell condi	8.88581403	1	0.21771894
	2002	male	all maturity st	all shell condi	137.487647	1	0.31847309
	2002	female	all maturity st	all shell condi	10.1757446	1	0.23913103
	2003	male	all maturity st	all shell condi	118.914406	1	0.36707558
	2003	female	all maturity st	all shell condi	13.4677444	1	0.21154701
	2004	male	all maturity st	all shell condi	59.8966869	1	0.4492459
	2004	female	all maturity st	all shell condi	10.9264639	1	0.17957381
	2005	male	all maturity st	all shell condi	57.0887987	1	1.36583389
	2005	female	all maturity st	all shell condi	21.7835981	1	0.13194564
	2006	male	all maturity st	all shell condi	27.8087057	1	1.71999188
	2006	female	all maturity st	all shell condi	20.9472813	1	0.3543293
	2007	male	all maturity st	all shell condi	135.61856	1	0.87327682
	2007	female	all maturity st	all shell condi	47.5425093	1	0.16500022
	2008	male	all maturity st	all shell condi	43.8513549	1	4.0801004
	2008	female	all maturity st	all shell condi	56.8839518	1	0.21539078
	2009	male	all maturity st	all shell condi	20.4855938	1	7.26836537

2009	female	all maturity st	all shell condi	47.0552852	1	0.0929189
2010	male	all maturity st	all shell condi	54.5149738	1	0.85262501
2010	female	all maturity st	all shell condi	26.3758592	1	0.0779549
2011	male	all maturity st	all shell condi	89.3285921	1	0.30733486
2011	female	all maturity st	all shell condi	4.48255855	1	0.02659938
2012	male	all maturity st	all shell condi	121.488217	1	0.44641246
2012	female	all maturity st	all shell condi	4.65712394	1	0.36580867
2013	male	all maturity st	all shell condi	51.9309609	1	2.09635364
2013	female	all maturity st	all shell condi	6.64191015	1	0.27710893
2014	male	all maturity st	all shell condi	126.354804	1	1.5620609
2014	female	all maturity st	all shell condi	15.12284	1	0.09596039
2015	male	all maturity st	all shell condi	394.096653	1	0.51609657
2015	female	all maturity st	all shell condi	58.7109422	1	0.08819001
2016	male	all maturity st	all shell condi	28.0409763	1	6.61235497
2016	female	all maturity st	all shell condi	39.3756483	1	0.27638564
2015	male	immature	new shell	0.4802304	5	86.7676475
2016	male	immature	new shell	0.4802304	5	99.6738487
2015	female	immature	new shell	0.32930006	5	70.5645453
2016	female	immature	new shell	0.32930006	5	64.3496571
1994	male	immature	new shell	0.49955012	0	12.0178959
1995	male	immature	new shell	0.49955012	0	27.9082556
1996	male	immature	new shell	0.49955012	0	326.051314
1997	male	immature	new shell	0.49955012	0	432.552632
1998	male	immature	new shell	0.49955012	0	448.320478
1999	male	immature	new shell	0.49955012	0	412.073136
2000	male	immature	new shell	0.49955012	0	668.18116
2001	male	immature	new shell	0.49955012	0	776.000935
2002	male	immature	new shell	0.49955012	0	711.616301
2003	male	immature	new shell	0.49955012	0	244.182059
2004	male	immature	new shell	0.49955012	0	159.698266
2005	male	immature	new shell	0.49955012	0	84.0432438
2006	male	immature	new shell	0.49955012	0	10.1270033
2011	male	immature	new shell	0.49955012	0	1.97060506
2012	male	immature	new shell	0.49955012	0	2.71608149
1994	female	immature	new shell	0.37657496	0	13.7437507
1995	female	immature	new shell	0.37657496	0	12.9906118
1996	female	immature	new shell	0.37657496	0	205.430088
1997	female	immature	new shell	0.37657496	0	156.228835
1998	female	immature	new shell	0.37657496	0	229.041995
1999	female	immature	new shell	0.37657496	0	272.303337
2000	female	immature	new shell	0.37657496	0	517.900821

	2001	female	immature	new shell	0.37657496	0	517.890073
	2002	female	immature	new shell	0.37657496	0	317.741898
	2003	female	immature	new shell	0.37657496	0	87.6276033
	2004	female	immature	new shell	0.37657496	0	85.4333628
	2005	female	immature	new shell	0.37657496	0	23.5560358
	2006	female	immature	new shell	0.37657496	0	7.1511184
	2012	female	immature	new shell	0.37657496	0	2.29523275
	1990	male		new shell	1.48259316	5	41.6448216
	1991	male		new shell	1.48259316	5	56.5051317
	1992	male		new shell	1.48259316	5	14.7571311
	1993	male		new shell	1.48259316	5	20.6398058
	1994	male		new shell	1.48259316	5	18.0685767
	1995	male		new shell	1.48259316	5	11.3983383
	1997	male		new shell	1.48259316	5	11.7612772
	1998	male		new shell	1.48259316	5	14.5131088
	1999	male		new shell	1.48259316	5	13.1302374
	2000	male		new shell	1.48259316	5	16.1894306
	2001	male		new shell	1.48259316	5	19.9117399
	2002	male		new shell	1.48259316	5	14.8343876
	2003	male		new shell	1.48259316	5	9.59143638
	2004	male		new shell	1.48259316	5	15.9421544
	2005	male		new shell	1.48259316	5	51.6253619
	2008	male		new shell	1.48259316	5	31.0479231
	2010	male		new shell	1.48259316	5	32.832723
	2012	male		new shell	1.48259316	5	13.9468718
	2014	male		new shell	1.48259316	5	8.50923681
	2016	male		new shell	1.48259316	5	37.3677664
	2017	male		new shell	1.48259316	5	10.6771635
all		male	immature	new shell	0.09975135	1	2956.76687
all		male	mature	new shell	0.09975135	1	2956.76687
all		male	immature	old shell	0.09975135	1	2956.76687
all		male	mature	old shell	0.09975135	1	2956.76687
all		female	immature	new shell	0.09975135	1	2956.76687
all		female	mature	new shell	0.09975135	1	2956.76687
all		female	immature	old shell	0.09975135	1	2956.76687
all		female	mature	old shell	0.09975135	1	2956.76687
all		male	immature	new shell	0.09975135	1	6693.37133
all		male	mature	new shell	0.09975135	1	6693.37133
all		male	immature	old shell	0.09975135	1	6693.37133
all		male	mature	old shell	0.09975135	1	6693.37133
all		female	immature	new shell	0.09975135	1	6693.37133

all		female	mature	new shell	0.09975135	1	6693.37133
all		female	immature	old shell	0.09975135	1	6693.37133
all		female	mature	old shell	0.09975135	1	6693.37133
all		male	immature	all shell condi	1.82652115	0	71.7278598
all		male	mature	all shell condi	1.84103491	0	72.8723053
all		female	immature	all shell condi	2.38542845	0	122.340781
all		female	mature	all shell condi	1.69754812	0	61.9558965
all		male	mature	all shell condi	2.69943832	0	156.669796
all		female	mature	all shell condi	1.78379666	0	68.4115061
	1975	male	immature	all shell condi	98.1271809	0	-0.0246441
	1975	male	mature	all shell condi	19.9423546	0	0.40357423
	1975	female	immature	all shell condi	93.6803052	0	-0.0011376
	1975	female	mature	all shell condi	44.7274127	0	0.02002908
	1976	male	immature	all shell condi	75.0932139	0	0.04122802
	1976	male	mature	all shell condi	52.8634268	0	0.12289089
	1976	female	immature	all shell condi	61.0113799	0	0.07599577
	1976	female	mature	all shell condi	47.9698921	0	0.02101569
	1977	male	immature	all shell condi	101.964753	0	0.02667301
	1977	male	mature	all shell condi	83.5116462	0	0.02925649
	1977	female	immature	all shell condi	33.2958634	0	0.11934031
	1977	female	mature	all shell condi	99.2495544	0	0.00063432
	1978	male	immature	all shell condi	150.815152	0	0.01046165
	1978	male	mature	all shell condi	107.189257	0	0.05658826
	1978	female	immature	all shell condi	65.1472163	0	0.05421864
	1978	female	mature	all shell condi	167.223942	0	-0.0038748
	1979	male	immature	all shell condi	112.306867	0	0.01888013
	1979	male	mature	all shell condi	127.552202	0	0.02050221
	1979	female	immature	all shell condi	194.536257	0	-0.0089495
	1979	female	mature	all shell condi	99.7486955	0	0.05949781
	1980	male	immature	all shell condi	68.4679496	0	0.07233711
	1980	male	mature	all shell condi	103.229733	0	-0.0172611
	1980	female	immature	all shell condi	443.679993	0	0.01797646
	1980	female	mature	all shell condi	47.2768544	0	0.05831774
	1981	male	immature	all shell condi	203.631954	0	0.01135825
	1981	male	mature	all shell condi	184.810435	0	-0.0437489
	1981	female	immature	all shell condi	232.416493	0	0.00161515
	1981	female	mature	all shell condi	23.8802776	0	0.17682761
	1982	male	immature	all shell condi	206.437239	0	-0.0276873
	1982	male	mature	all shell condi	176.719793	0	-0.0546199
	1982	female	immature	all shell condi	252.562958	0	-0.0053586
	1982	female	mature	all shell condi	9.48915291	0	0.3079681

1983	male	immature	all shell condi	28.1747977	0	0.17648597
1983	male	mature	all shell condi	242.537567	0	-0.044555
1983	female	immature	all shell condi	21.1590357	0	0.13779606
1983	female	mature	all shell condi	236.724978	0	-0.00645
1984	male	immature	all shell condi	60.5899183	0	0.05912965
1984	male	mature	all shell condi	1051.62799	0	-0.0037631
1984	female	immature	all shell condi	110.517231	0	0.03013323
1984	female	mature	all shell condi	312.998524	0	0.01741552
1985	male	immature	all shell condi	100.862359	0	0.02066935
1985	male	mature	all shell condi	401.994574	0	0.03736972
1985	female	immature	all shell condi	147.463304	0	0.00710096
1985	female	mature	all shell condi	156.128241	0	0.04287562
1986	male	immature	all shell condi	231.350878	0	0.06288392
1986	male	mature	all shell condi	106.939428	0	0.06081867
1986	female	immature	all shell condi	49.5744856	0	-0.0356174
1986	female	mature	all shell condi	134.894008	0	0.01129493
1987	male	immature	all shell condi	104.91265	0	0.04949535
1987	male	mature	all shell condi	152.936878	0	0.05148704
1987	female	immature	all shell condi	22.2480044	0	0.14960094
1987	female	mature	all shell condi	448.407796	0	0.00945452
1988	male	immature	all shell condi	73.459095	0	0.02730659
1988	male	mature	all shell condi	67.0331501	0	0.09327665
1988	female	immature	all shell condi	50.1959393	0	-0.0206324
1988	female	mature	all shell condi	29.6830361	0	0.11947394
1989	male	immature	all shell condi	41.5403152	0	0.04756575
1989	male	mature	all shell condi	76.5263912	0	0.09565938
1989	female	immature	all shell condi	57.5373176	0	0.04132541
1989	female	mature	all shell condi	132.651042	0	0.02913124
1990	male	immature	all shell condi	61.2972016	0	-0.0050177
1990	male	mature	all shell condi	102.89706	0	0.06236148
1990	female	immature	all shell condi	135.769968	0	0.02683477
1990	female	mature	all shell condi	81.6408406	0	0.09071168
1991	male	immature	all shell condi	86.6960779	0	0.02063536
1991	male	mature	all shell condi	108.322891	0	0.02167209
1991	female	immature	all shell condi	84.1934436	0	0.04641462
1991	female	mature	all shell condi	132.884815	0	0.07392081
1992	male	immature	all shell condi	164.554989	0	0.03454686
1992	male	mature	all shell condi	86.748295	0	0.03784827
1992	female	immature	all shell condi	103.261224	0	0.03765229
1992	female	mature	all shell condi	328.921457	0	0.0241316
1993	male	immature	all shell condi	208.435413	0	0.05085738

1993	male	mature	all shell condi	76.0828899	0	0.04020066
1993	female	immature	all shell condi	152.166573	0	0.03189222
1993	female	mature	all shell condi	180.6979	0	-0.0166844
1994	male	immature	all shell condi	99.289101	0	0.06431772
1994	male	mature	all shell condi	67.7177478	0	0.02006999
1994	female	immature	all shell condi	41.1349249	0	0.07772382
1994	female	mature	all shell condi	202.580998	0	-0.0088636
1995	male	immature	all shell condi	196.072146	0	0.01423019
1995	male	mature	all shell condi	67.1342825	0	0.02448495
1995	female	immature	all shell condi	364.390502	0	0.00132372
1995	female	mature	all shell condi	101.50163	0	0.09515351
1996	male	immature	all shell condi	266.244409	0	-0.0077915
1996	male	mature	all shell condi	75.0936752	0	0.07179137
1996	female	immature	all shell condi	139.192515	0	-0.0244623
1996	female	mature	all shell condi	65.1063867	0	0.10191378
1997	male	immature	all shell condi	40.8312378	0	0.10527496
1997	male	mature	all shell condi	208.364047	0	-0.0065192
1997	female	immature	all shell condi	33.978955	0	0.10231707
1997	female	mature	all shell condi	456.212721	0	0.00425799
1998	male	immature	all shell condi	37.3099463	0	0.11686409
1998	male	mature	all shell condi	285.681855	0	0.00132688
1998	female	immature	all shell condi	113.56775	0	0.04982675
1998	female	mature	all shell condi	215.249686	0	-0.0114083
1999	male	immature	all shell condi	38.5306211	0	0.11547825
1999	male	mature	all shell condi	1039.53041	0	-0.0042232
1999	female	immature	all shell condi	61.6872069	0	0.0399239
1999	female	mature	all shell condi	293.777543	0	-0.0026449
2000	male	immature	all shell condi	38.7735534	0	0.10339319
2000	male	mature	all shell condi	306.890291	0	0.01446011
2000	female	immature	all shell condi	149.905993	0	0.01942955
2000	female	mature	all shell condi	196.350603	0	0.00679541
2001	male	immature	all shell condi	24.9494069	0	0.2125129
2001	male	mature	all shell condi	171.779979	0	-0.0235652
2001	female	immature	all shell condi	32.4679238	0	0.13369664
2001	female	mature	all shell condi	126.16383	0	-0.0175385
2002	male	immature	all shell condi	33.8222025	0	0.12482711
2002	male	mature	all shell condi	257.808562	0	-0.0212818
2002	female	immature	all shell condi	56.8223534	0	0.08248476
2002	female	mature	all shell condi	220.757192	0	-0.0158369
2003	male	immature	all shell condi	131.073082	0	0.05659479
2003	male	mature	all shell condi	920.94419	0	-0.0051204

2003	female	immature	all shell condi	150.053126	0	-0.024497
2003	female	mature	all shell condi	205.803341	0	0.03248133
2004	male	immature	all shell condi	40.4479744	0	0.1172621
2004	male	mature	all shell condi	426.521391	0	0.0352167
2004	female	immature	all shell condi	42.9134727	0	0.07036137
2004	female	mature	all shell condi	295.005589	0	-0.0058817
2005	male	immature	all shell condi	49.8307002	0	0.06386534
2005	male	mature	all shell condi	506.060373	0	-0.0023749
2005	female	immature	all shell condi	130.017317	0	0.06660421
2005	female	mature	all shell condi	944.098889	0	0.00241346
2006	male	immature	all shell condi	255.615658	0	0.00720207
2006	male	mature	all shell condi	594.893951	0	0.0012055
2006	female	immature	all shell condi	256.981339	0	0.04941941
2006	female	mature	all shell condi	304.985628	0	-0.0072933
2007	male	immature	all shell condi	102.364861	0	0.09760601
2007	male	mature	all shell condi	513.909914	0	-0.0129541
2007	female	immature	all shell condi	131.520044	0	0.05386687
2007	female	mature	all shell condi	93.237937	0	-0.0199985
2008	male	immature	all shell condi	397.174734	0	0.03558444
2008	male	mature	all shell condi	396.971319	0	-0.016386
2008	female	immature	all shell condi	320.667013	0	0.02962828
2008	female	mature	all shell condi	227.448237	0	-0.0095148
2009	male	immature	all shell condi	113.017647	0	0.06671903
2009	male	mature	all shell condi	559.925509	0	-0.0220048
2009	female	immature	all shell condi	116.73263	0	0.01240136
2009	female	mature	all shell condi	879.691578	0	0.00771826
2010	male	immature	all shell condi	93.0873402	0	0.06070764
2010	male	mature	all shell condi	467.091859	0	0.0210397
2010	female	immature	all shell condi	177.031133	0	-0.0225737
2010	female	mature	all shell condi	1162.38917	0	0.00239188
2011	male	immature	all shell condi	106.382809	0	0.06397052
2011	male	mature	all shell condi	820.977229	0	0.00489993
2011	female	immature	all shell condi	177.125873	0	0.0160279
2011	female	mature	all shell condi	326.898285	0	-0.0091138
2012	male	immature	all shell condi	201.308328	0	0.03240019
2012	male	mature	all shell condi	2221.09681	0	0.00131219
2012	female	immature	all shell condi	184.27721	0	0.01010867
2012	female	mature	all shell condi	1000.73014	0	0.00310809
2013	male	immature	all shell condi	122.581446	0	0.03401657
2013	male	mature	all shell condi	138.529383	0	0.03171307
2013	female	immature	all shell condi	155.302828	0	0.0281416

	2013	female	mature	all shell condi	614.573822	0	0.01614171
	2014	male	immature	all shell condi	78.3400512	0	0.07624186
	2014	male	mature	all shell condi	171.363863	0	0.02159363
	2014	female	immature	all shell condi	31.5687734	0	0.11712524
	2014	female	mature	all shell condi	281.651754	0	-0.0091967
	2015	male	immature	all shell condi	134.291709	0	0.04146321
	2015	male	mature	all shell condi	156.349937	0	0.0112191
	2015	female	immature	all shell condi	178.568595	0	0.03161153
	2015	female	mature	all shell condi	989.544256	0	0.00047585
	2016	male	immature	all shell condi	149.252078	0	0.05298764
	2016	male	mature	all shell condi	162.184395	0	0.03925845
	2016	female	immature	all shell condi	244.260838	0	0.01492239
	2016	female	mature	all shell condi	227.134722	0	-0.0188304
	2017	male	immature	all shell condi	26.0770648	0	0.15058343
	2017	male	mature	all shell condi	223.859227	0	0.00902814
	2017	female	immature	all shell condi	18.0257169	0	0.13434926
	2017	female	mature	all shell condi	383.887042	0	-0.010611
all		male	all maturity st	new shell	1.6266745	1	56.8905034
all		male	all maturity st	old shell	2.41832414	1	125.73827
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
all		male	all maturity st	new shell	2.05488882	1	90.7852135
all		male	all maturity st	old shell	2.27176544	1	110.959742
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
	1975	male	all maturity st	new shell	18.8608018	1	0.04314363
	1975	male	all maturity st	old shell	6.6883015	1	0.00033623
	1976	male	all maturity st	new shell	24.7184758	1	0.024776
	1976	male	all maturity st	old shell	5.76952365	1	0.00039779
	1977	male	all maturity st	new shell	32.9596257	1	0.01663995
	1977	male	all maturity st	old shell	10.5824647	1	0.00019779
	1978	male	all maturity st	new shell	56.9848437	1	0.01066421
	1978	male	all maturity st	old shell	10.5319854	1	0.0001797
	1979	male	all maturity st	new shell	42.4625619	1	0.00811917
	1979	male	all maturity st	old shell	7.45511146	1	0.00024383
	1980	male	all maturity st	new shell	26.1946198	1	0.01434125
	1980	male	all maturity st	old shell	8.53609139	1	0.00022387
	1981	male	all maturity st	new shell	71.4519712	1	0.0083497
	1981	male	all maturity st	old shell	9.12198901	1	0.00017965
	1982	male	all maturity st	new shell	101.931437	1	0.00710152
	1982	male	all maturity st	old shell	60.2132694	1	2.28E-05

1983	male	all maturity st	new shell	13.8792491	1	0.04077525
1983	male	all maturity st	old shell	290.203239	1	7.89E-06
1984	male	all maturity st	new shell	18.8363002	1	0.01917898
1984	male	all maturity st	old shell	133.566175	1	1.48E-05
1985	male	all maturity st	new shell	44.018535	1	0.01338849
1985	male	all maturity st	old shell	144.387872	1	1.70E-05
1986	male	all maturity st	new shell	89.4760392	1	0.00579051
1986	male	all maturity st	old shell	108.991209	1	1.92E-05
1987	male	all maturity st	new shell	37.1197161	1	0.00896236
1987	male	all maturity st	old shell	56.2343302	1	3.72E-05
1988	male	all maturity st	new shell	28.2496083	1	0.01805419
1988	male	all maturity st	old shell	43.135765	1	4.41E-05
1989	male	all maturity st	new shell	20.8076772	1	0.02394107
1989	male	all maturity st	old shell	37.1500997	1	4.98E-05
1990	male	all maturity st	new shell	35.1602297	1	0.01734392
1990	male	all maturity st	old shell	14.533089	1	0.00012426
1991	male	all maturity st	new shell	43.2259013	1	0.0151082
1991	male	all maturity st	old shell	16.08311	1	0.00012559
1992	male	all maturity st	new shell	63.3806712	1	0.0116755
1992	male	all maturity st	old shell	18.8998101	1	9.47E-05
1993	male	all maturity st	new shell	72.4283517	1	0.0076095
1993	male	all maturity st	old shell	23.285877	1	6.56E-05
1994	male	all maturity st	new shell	40.7945447	1	0.01501547
1994	male	all maturity st	old shell	18.2603589	1	9.44E-05
1995	male	all maturity st	new shell	42.2240718	1	0.01508591
1995	male	all maturity st	old shell	16.3137714	1	0.00011502
1996	male	all maturity st	new shell	85.6853121	1	0.00570499
1996	male	all maturity st	old shell	13.8088256	1	0.00016092
1997	male	all maturity st	new shell	16.9507027	1	0.02456686
1997	male	all maturity st	old shell	26.6498481	1	9.43E-05
1998	male	all maturity st	new shell	17.9489859	1	0.02127616
1998	male	all maturity st	old shell	45.827048	1	4.03E-05
1999	male	all maturity st	new shell	22.2362472	1	0.01679613
1999	male	all maturity st	old shell	48.1298992	1	2.53E-05
2000	male	all maturity st	new shell	20.4529974	1	0.01830988
2000	male	all maturity st	old shell	32.3057206	1	4.34E-05
2001	male	all maturity st	new shell	12.5355292	1	0.03641811
2001	male	all maturity st	old shell	44.7108986	1	3.28E-05
2002	male	all maturity st	new shell	14.4823348	1	0.02522886
2002	male	all maturity st	old shell	80.9831613	1	2.38E-05
2003	male	all maturity st	new shell	69.5515168	1	0.00648555

	2003	male	all maturity st	old shell	60.1196455	1	2.71E-05
	2004	male	all maturity st	new shell	19.7434612	1	0.02384909
	2004	male	all maturity st	old shell	39.370131	1	0.00011868
	2005	male	all maturity st	new shell	23.5489749	1	0.01973953
	2005	male	all maturity st	old shell	166.403949	1	1.08E-05
	2006	male	all maturity st	new shell	118.430826	1	0.00541815
	2006	male	all maturity st	old shell	60.6219237	1	2.82E-05
	2007	male	all maturity st	new shell	68.132339	1	0.01181787
	2007	male	all maturity st	old shell	69.5153231	1	2.06E-05
	2008	male	all maturity st	new shell	207.108889	1	0.00348778
	2008	male	all maturity st	old shell	141.986042	1	1.12E-05
	2009	male	all maturity st	new shell	75.3774948	1	0.00725153
	2009	male	all maturity st	old shell	167.795843	1	8.58E-06
	2010	male	all maturity st	new shell	41.4058152	1	0.01055716
	2010	male	all maturity st	old shell	218.324009	1	7.58E-06
	2011	male	all maturity st	new shell	54.0976653	1	0.00866968
	2011	male	all maturity st	old shell	112.316011	1	1.48E-05
	2012	male	all maturity st	new shell	115.195506	1	0.00373816
	2012	male	all maturity st	old shell	50.5605708	1	3.11E-05
	2013	male	all maturity st	new shell	47.8453199	1	0.01227966
	2013	male	all maturity st	old shell	73.7958606	1	2.27E-05
	2014	male	all maturity st	new shell	43.2589183	1	0.01687121
	2014	male	all maturity st	old shell	35.6836182	1	3.47E-05
	2015	male	all maturity st	new shell	55.4748458	1	0.01116267
	2015	male	all maturity st	old shell	42.8441456	1	3.04E-05
	2016	male	all maturity st	new shell	76.0772837	1	0.01057
	2016	male	all maturity st	old shell	44.2999206	1	2.94E-05
	2017	male	all maturity st	new shell	8.38880913	1	0.04514049
	2017	male	all maturity st	old shell	51.0954745	1	2.60E-05
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.38542845	1	122.340781
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.03676565	1	89.1909074
all		female	mature	old shell	1.94968219	1	81.7271042
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0

all		female	immature	new shell	1.91001768	1	78.4356018
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.00526925	1	86.4537524
all		female	mature	old shell	1.88180136	1	76.1352918
	1975	female	immature	new shell	14.0550335	1	0.00095991
	1975	female	mature	new shell	12.290399	1	0.0003594
	1975	female	mature	old shell	5.04509431	1	0.01845781
	1976	female	immature	new shell	16.538432	1	0.00096431
	1976	female	mature	new shell	15.2302387	1	0.00029053
	1976	female	mature	old shell	4.77267938	1	0.02116664
	1977	female	immature	new shell	31.3357038	1	0.0004184
	1977	female	mature	new shell	57.5961795	1	9.92E-05
	1977	female	mature	old shell	11.9191972	1	0.00887311
	1978	female	immature	new shell	19.4383362	1	0.00060596
	1978	female	mature	new shell	66.1137135	1	4.80E-05
	1978	female	mature	old shell	25.2718803	1	0.00447437
	1979	female	immature	new shell	35.2217716	1	0.00041553
	1979	female	mature	new shell	37.1680132	1	0.00011043
	1979	female	mature	old shell	15.6293226	1	0.00593525
	1980	female	immature	new shell	45.3505572	1	0.00035697
	1980	female	mature	new shell	9.47276052	1	0.0002585
	1980	female	mature	old shell	12.84534	1	0.00787707
	1981	female	immature	new shell	11.9745851	1	0.00153733
	1981	female	mature	new shell	6.5525912	1	0.00065885
	1981	female	mature	old shell	28.9199259	1	0.00459803
	1982	female	immature	new shell	19.7188139	1	0.00124565
	1982	female	mature	new shell	5.36876228	1	0.0005644
	1982	female	mature	old shell	21.0383058	1	0.00321363
	1983	female	immature	new shell	10.821808	1	0.00133342
	1983	female	mature	new shell	25.3923856	1	0.00023923
	1983	female	mature	old shell	68.921806	1	0.00092306
	1984	female	immature	new shell	31.0005266	1	0.00038534
	1984	female	mature	new shell	23.5619265	1	0.00012633
	1984	female	mature	old shell	71.2796906	1	0.00162157
	1985	female	immature	new shell	34.4413889	1	0.00056748
	1985	female	mature	new shell	8.33111943	1	0.00084088
	1985	female	mature	old shell	39.2209296	1	0.00335151
	1986	female	immature	new shell	29.847241	1	0.00056079
	1986	female	mature	new shell	5.58073779	1	0.00063552
	1986	female	mature	old shell	14.876261	1	0.00791691
	1987	female	immature	new shell	10.3590412	1	0.00293652

1987	female	mature	new shell	21.6019902	1	0.00029152
1987	female	mature	old shell	12.1106325	1	0.01135285
1988	female	immature	new shell	33.0162896	1	0.00101106
1988	female	mature	new shell	7.18736719	1	0.00079326
1988	female	mature	old shell	22.522914	1	0.00617247
1989	female	immature	new shell	16.0380226	1	0.00077351
1989	female	mature	new shell	7.93690878	1	0.0006587
1989	female	mature	old shell	18.5170935	1	0.00929191
1990	female	immature	new shell	25.3438882	1	0.00048697
1990	female	mature	new shell	43.288215	1	9.99E-05
1990	female	mature	old shell	11.7160904	1	0.01251667
1991	female	immature	new shell	11.9647414	1	0.0012736
1991	female	mature	new shell	23.3045747	1	0.00016076
1991	female	mature	old shell	22.1839757	1	0.00666196
1992	female	immature	new shell	9.55964428	1	0.00172838
1992	female	mature	new shell	38.64989	1	0.00011589
1992	female	mature	old shell	40.5590516	1	0.00360187
1993	female	immature	new shell	25.7871185	1	0.00069151
1993	female	mature	new shell	36.3583253	1	0.00010098
1993	female	mature	old shell	71.3398561	1	0.00248355
1994	female	immature	new shell	27.8063488	1	0.00052553
1994	female	mature	new shell	24.1592547	1	0.0002048
1994	female	mature	old shell	67.4247909	1	0.00221006
1995	female	immature	new shell	51.6284793	1	0.00050798
1995	female	mature	new shell	108.881417	1	7.73E-05
1995	female	mature	old shell	101.851987	1	0.00142062
1996	female	immature	new shell	65.0567371	1	0.00044223
1996	female	mature	new shell	10.9594038	1	0.00035037
1996	female	mature	old shell	93.0849855	1	0.00171988
1997	female	immature	new shell	13.4082446	1	0.0010387
1997	female	mature	new shell	35.9113622	1	0.0001294
1997	female	mature	old shell	53.9562089	1	0.00237704
1998	female	immature	new shell	46.9490788	1	0.00032794
1998	female	mature	new shell	27.0122234	1	0.00017709
1998	female	mature	old shell	63.0158932	1	0.00267463
1999	female	immature	new shell	20.5717202	1	0.0006357
1999	female	mature	new shell	11.6896668	1	0.00031461
1999	female	mature	old shell	71.9979877	1	0.00105019
2000	female	immature	new shell	45.5693641	1	0.0002829
2000	female	mature	new shell	21.7758686	1	0.00020979
2000	female	mature	old shell	15.6754047	1	0.00806124

2001	female	immature	new shell	18.5545243	1	0.00079362
2001	female	mature	new shell	40.5686597	1	0.00010053
2001	female	mature	old shell	31.0462543	1	0.00314037
2002	female	immature	new shell	40.023231	1	0.00031478
2002	female	mature	new shell	64.4333204	1	6.97E-05
2002	female	mature	old shell	26.6487021	1	0.0030199
2003	female	immature	new shell	58.9260534	1	0.00020707
2003	female	mature	new shell	37.2979864	1	8.22E-05
2003	female	mature	old shell	34.300775	1	0.00341928
2004	female	immature	new shell	14.5677829	1	0.0010284
2004	female	mature	new shell	68.8126138	1	5.43E-05
2004	female	mature	old shell	20.9893757	1	0.00534646
2005	female	immature	new shell	67.0833372	1	0.0002807
2005	female	mature	new shell	25.984714	1	0.00013353
2005	female	mature	old shell	181.415227	1	0.00075684
2006	female	immature	new shell	68.91059	1	0.00033862
2006	female	mature	new shell	43.5162141	1	9.08E-05
2006	female	mature	old shell	70.2870061	1	0.00126846
2007	female	immature	new shell	21.9487616	1	0.00088205
2007	female	mature	new shell	17.0303533	1	0.00026676
2007	female	mature	old shell	75.5014177	1	0.0013702
2008	female	immature	new shell	92.8324801	1	0.00021177
2008	female	mature	new shell	40.6774887	1	0.00012506
2008	female	mature	old shell	57.5873964	1	0.00121606
2009	female	immature	new shell	29.1913439	1	0.00040614
2009	female	mature	new shell	53.7615866	1	5.16E-05
2009	female	mature	old shell	66.634329	1	0.00139844
2010	female	immature	new shell	83.1413739	1	0.00015667
2010	female	mature	new shell	38.1298254	1	0.00011776
2010	female	mature	old shell	106.074716	1	0.00096942
2011	female	immature	new shell	61.0184606	1	0.00029141
2011	female	mature	new shell	33.117253	1	0.00013034
2011	female	mature	old shell	63.767196	1	0.00186198
2012	female	immature	new shell	47.8629216	1	0.00048243
2012	female	mature	new shell	66.2854999	1	8.49E-05
2012	female	mature	old shell	73.7266731	1	0.00215388
2013	female	immature	new shell	25.9778023	1	0.00096492
2013	female	mature	new shell	69.9895917	1	9.30E-05
2013	female	mature	old shell	47.6085694	1	0.00341835
2014	female	immature	new shell	5.75871756	1	0.00309691
2014	female	mature	new shell	41.091731	1	0.00010109

	2014	female	mature	old shell	48.5973474	1	0.00325511
	2015	female	immature	new shell	34.4245511	1	0.00054345
	2015	female	mature	new shell	42.661231	1	6.34E-05
	2015	female	mature	old shell	284.784471	1	0.00028714
	2016	female	immature	new shell	30.8106753	1	0.00066427
	2016	female	mature	new shell	55.6923398	1	9.43E-05
	2016	female	mature	old shell	76.0155814	1	0.00078727
	2017	female	immature	new shell	5.53272895	1	0.00215465
	2017	female	mature	new shell	32.5686914	1	0.00016518
	2017	female	mature	old shell	102.89715	1	0.00089218
all		male	all maturity st	all shell condi	56.0668502	0	59726.3422
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	0.47316314	1	4.25378377
all		female	all maturity st	all shell condi	0	1	0
	1980	male	all maturity st	all shell condi	3.49997937	1	0.00013192
	1981	male	all maturity st	all shell condi	3.88708745	1	8.17E-05
	1982	male	all maturity st	all shell condi	4.67860565	1	6.44E-05
	1983	male	all maturity st	all shell condi	5.86174775	1	5.27E-06
	1984	male	all maturity st	all shell condi	6.41505321	1	9.14E-06
	1988	male	all maturity st	all shell condi	3.54707531	1	9.63E-05
	1989	male	all maturity st	all shell condi	3.37475686	1	3.60E-05
	1990	male	all maturity st	all shell condi	3.32184683	1	0.00026262
	1991	male	all maturity st	all shell condi	3.08218277	1	0.00028269
	1992	male	all maturity st	all shell condi	3.77152904	1	0.00015439
	1993	male	all maturity st	all shell condi	4.80382077	1	0.00012629
	1994	male	all maturity st	all shell condi	4.65132707	1	0.00012553
	1995	male	all maturity st	all shell condi	3.90475201	1	8.64E-06
	1996	male	all maturity st	all shell condi	3.94407894	1	3.22E-05
	2005	male	all maturity st	all shell condi	16.2872526	1	8.98E-07
	2006	male	all maturity st	all shell condi	46.7530414	1	9.74E-07
	2007	male	all maturity st	all shell condi	53.6987392	1	2.86E-06
	2008	male	all maturity st	all shell condi	42.6374718	1	1.81E-06
	2009	male	all maturity st	all shell condi	9.16427957	1	2.12E-06
	2013	male	all maturity st	all shell condi	5.24093764	1	1.62E-05
	2014	male	all maturity st	all shell condi	4.0123286	1	7.48E-05
	2015	male	all maturity st	all shell condi	4.89621312	1	0.00011717
all		male	all maturity st	all shell condi	3.22278003	1	67.5110225
all		female	all maturity st	all shell condi	3.7442648	1	91.1268727
	1991	male	all maturity st	all shell condi	7.09075604	1	0.03429161
	1991	female	all maturity st	all shell condi	4.55553915	1	0.00097518
	1992	male	all maturity st	all shell condi	19.6006863	1	0.00825027

	1992	female	all maturity st	all shell condi	6.22386814	1	0.00098966
	1993	male	all maturity st	all shell condi	22.9769734	1	0.0067076
	1993	female	all maturity st	all shell condi	5.11607782	1	0.0013871
	1994	male	all maturity st	all shell condi	27.6345849	1	0.00130253
	1994	female	all maturity st	all shell condi	10.0760725	1	0.00016614
	1995	male	all maturity st	all shell condi	18.5598661	1	0.00164305
	1995	female	all maturity st	all shell condi	7.09563666	1	0.00037161
	1996	male	all maturity st	all shell condi	12.5124668	1	0.00037833
	1996	female	all maturity st	all shell condi	4.84637985	1	6.48E-05
	2005	male	all maturity st	all shell condi	45.6781929	1	0.00505039
	2005	female	all maturity st	all shell condi	3.97712502	1	0.00022564
	2006	male	all maturity st	all shell condi	35.5009226	1	0.00505969
	2006	female	all maturity st	all shell condi	5.00406208	1	0.00081938
	2007	male	all maturity st	all shell condi	40.7005944	1	0.00517405
	2007	female	all maturity st	all shell condi	4.58153274	1	0.00051685
	2008	male	all maturity st	all shell condi	37.6239868	1	0.00500865
	2008	female	all maturity st	all shell condi	4.1796509	1	9.11E-05
	2009	male	all maturity st	all shell condi	16.9973974	1	0.00289705
	2009	female	all maturity st	all shell condi	4.08243243	1	3.75E-05
	2013	male	all maturity st	all shell condi	11.2903096	1	0.00505832
	2013	female	all maturity st	all shell condi	4.27543429	1	0.00016577
	2014	male	all maturity st	all shell condi	6.4696932	1	0.0229162
	2014	female	all maturity st	all shell condi	4.77764808	1	0.00018536
	2015	male	all maturity st	all shell condi	9.12877442	1	0.01490868
	2015	female	all maturity st	all shell condi	9.16395607	1	0.00016203
all		male	all maturity st	all shell condi	5.97761199	0	446.648064
all		female	all maturity st	all shell condi	5.98723217	0	448.086863
all		male	all maturity st	all shell condi	2.05537216	1	52.8069338
all		female	all maturity st	all shell condi	1.62365698	1	32.953275
	1992	male	all maturity st	all shell condi	3.86037383	1	0.41328696
	1992	female	all maturity st	all shell condi	13.2477347	1	1.98E-05
	1993	male	all maturity st	all shell condi	3.46590247	1	0.50593525
	1993	female	all maturity st	all shell condi	26.0191717	1	1.97E-05
	1994	male	all maturity st	all shell condi	3.35496596	1	0.23107895
	1994	female	all maturity st	all shell condi	68.4483813	1	2.02E-05
	1995	male	all maturity st	all shell condi	3.81606639	1	0.12897941
	1995	female	all maturity st	all shell condi	25.0921208	1	1.04E-05
	1996	male	all maturity st	all shell condi	5.37866991	1	0.1658834
	1996	female	all maturity st	all shell condi	10.6310492	1	3.75E-05
	1997	male	all maturity st	all shell condi	311.105015	1	0.00746379
	1997	female	all maturity st	all shell condi	5.50332299	1	6.91E-05

	1998	male	all maturity st	all shell condi	186.290804	1	0.00441424
	1998	female	all maturity st	all shell condi	3.9211453	1	4.76E-05
	1999	male	all maturity st	all shell condi	55.819952	1	0.00344439
	1999	female	all maturity st	all shell condi	3.9585962	1	1.30E-05
	2000	male	all maturity st	all shell condi	104.46079	1	0.00326595
	2000	female	all maturity st	all shell condi	4.421201	1	1.08E-05
	2001	male	all maturity st	all shell condi	113.659225	1	0.00732814
	2001	female	all maturity st	all shell condi	6.3092823	1	1.78E-05
	2002	male	all maturity st	all shell condi	26.9565484	1	0.00602467
	2002	female	all maturity st	all shell condi	4.97542031	1	1.40E-05
	2003	male	all maturity st	all shell condi	32.6286671	1	0.00389834
	2003	female	all maturity st	all shell condi	3.83838259	1	2.28E-05
	2004	male	all maturity st	all shell condi	11.5513304	1	0.01184489
	2004	female	all maturity st	all shell condi	3.71998525	1	9.52E-05
	2005	male	all maturity st	all shell condi	15.3772515	1	0.15060993
	2005	female	all maturity st	all shell condi	45.7540433	1	2.31E-06
	2006	male	all maturity st	all shell condi	26.4135376	1	0.09409744
	2006	female	all maturity st	all shell condi	19.3322661	1	1.34E-05
	2007	male	all maturity st	all shell condi	15.9548043	1	0.17960603
	2007	female	all maturity st	all shell condi	25.8164058	1	5.43E-06
	2008	male	all maturity st	all shell condi	9.73651824	1	0.19359561
	2008	female	all maturity st	all shell condi	9.00158743	1	3.81E-05
	2009	male	all maturity st	all shell condi	8.99211388	1	0.24263424
	2009	female	all maturity st	all shell condi	16.5627502	1	1.33E-05
	2010	male	all maturity st	all shell condi	8.05135161	1	0.26631673
	2010	female	all maturity st	all shell condi	92.2145346	1	1.53E-06
	2011	male	all maturity st	all shell condi	10.9300011	1	0.14955463
	2011	female	all maturity st	all shell condi	31.6082128	1	1.45E-06
	2012	male	all maturity st	all shell condi	10.986085	1	0.11352104
	2012	female	all maturity st	all shell condi	49.2487976	1	1.42E-06
	2013	male	all maturity st	all shell condi	9.948578	1	0.21466625
	2013	female	all maturity st	all shell condi	21.7207696	1	4.64E-06
	2014	male	all maturity st	all shell condi	9.89339527	1	0.45464712
	2014	female	all maturity st	all shell condi	63.7205782	1	4.45E-06
	2015	male	all maturity st	all shell condi	9.06949669	1	0.36871237
	2015	female	all maturity st	all shell condi	28.4784435	1	2.59E-06
	2016	male	all maturity st	all shell condi	7.84649202	1	0.43556492
	2016	female	all maturity st	all shell condi	36.2038015	1	2.05E-06
all		all sexes	all maturity st	all shell condi	1.5682022	0	31.970356
all		all sexes	all maturity st	all shell condi	0.12557536	1	0.34692175
	1973	male	all maturity st	all shell condi	51.1623439	1	1.59205011

1973	female	all maturity st	all shell condi	50.6928956	1	1.0641568
1974	male	all maturity st	all shell condi	30.5697159	1	2.7690807
1974	female	all maturity st	all shell condi	94.1395066	1	0.51976513
1975	male	all maturity st	all shell condi	30.0129413	1	1.0935504
1975	female	all maturity st	all shell condi	102.255483	1	0.32508522
1976	male	all maturity st	all shell condi	44.4725777	1	2.4203049
1976	female	all maturity st	all shell condi	141.784287	1	2.75073589
1977	male	all maturity st	all shell condi	157.841258	1	1.99771923
1977	female	all maturity st	all shell condi	201.793242	1	1.4629685
1978	male	all maturity st	all shell condi	266.394243	1	0.30221656
1978	female	all maturity st	all shell condi	134.802894	1	2.4307287
1979	male	all maturity st	all shell condi	338.918389	1	1.17065806
1979	female	all maturity st	all shell condi	634.726005	1	1.32229935
1980	male	all maturity st	all shell condi	136.775289	1	2.35062985
1980	female	all maturity st	all shell condi	179.551622	1	0.52366135
1981	male	all maturity st	all shell condi	120.888984	1	-0.2144995
1981	female	all maturity st	all shell condi	30.502198	1	3.85094642
1982	male	all maturity st	all shell condi	109.462652	1	1.93378378
1982	female	all maturity st	all shell condi	36.6504209	1	5.87048878
1983	male	all maturity st	all shell condi	208.757621	1	3.64308892
1983	female	all maturity st	all shell condi	70.9708142	1	0.79469027
1984	male	all maturity st	all shell condi	559.319009	1	4.36833783
1984	female	all maturity st	all shell condi	101.543568	1	-0.5715115
1985	male	all maturity st	all shell condi	248.734973	1	2.6477919
1985	female	all maturity st	all shell condi	124.868266	1	0.96451829
1986	male	all maturity st	all shell condi	60.2805001	1	5.76439397
1986	female	all maturity st	all shell condi	53.6515401	1	1.21841813
1987	male	all maturity st	all shell condi	128.564035	1	5.80235652
1987	female	all maturity st	all shell condi	115.347589	1	1.23990648
1988	male	all maturity st	all shell condi	242.984486	1	1.82465584
1988	female	all maturity st	all shell condi	138.421617	1	1.77597553
1989	male	all maturity st	all shell condi	124.411023	1	5.10497827
1989	female	all maturity st	all shell condi	243.724221	1	3.91626814
1990	male	all maturity st	all shell condi	130.862187	1	5.17200845
1990	female	all maturity st	all shell condi	82.6167006	1	1.91013396
1991	male	all maturity st	all shell condi	65.5797449	1	0.92681107
1991	female	all maturity st	all shell condi	58.0109703	1	2.8668927
1992	male	all maturity st	all shell condi	69.1116148	1	1.43578667
1992	female	all maturity st	all shell condi	50.6874419	1	1.2382393
1993	male	all maturity st	all shell condi	47.8426627	1	0.69846717
1993	female	all maturity st	all shell condi	157.726994	1	-0.007576

1994	male	all maturity st	all shell condi	69.5835035	1	0.34736559
1994	female	all maturity st	all shell condi	99.3443663	1	1.01553096
1995	male	all maturity st	all shell condi	25.5916309	1	3.10757331
1995	female	all maturity st	all shell condi	37.2498927	1	2.01326714
1996	male	all maturity st	all shell condi	69.773137	1	2.15737591
1996	female	all maturity st	all shell condi	271.013561	1	0.37252107
1997	male	all maturity st	all shell condi	66.0128686	1	2.05861283
1997	female	all maturity st	all shell condi	223.662733	1	0.66614537
1998	male	all maturity st	all shell condi	306.432299	1	0.09489421
1998	female	all maturity st	all shell condi	806.067927	1	0.79944305
1999	male	all maturity st	all shell condi	346.584648	1	0.70996879
1999	female	all maturity st	all shell condi	1124.88926	1	0.38528201
2000	male	all maturity st	all shell condi	322.136499	1	0.88535616
2000	female	all maturity st	all shell condi	697.965794	1	0.03992973
2001	male	all maturity st	all shell condi	553.942927	1	1.10333493
2001	female	all maturity st	all shell condi	698.470346	1	-0.400876
2002	male	all maturity st	all shell condi	372.637734	1	1.29853082
2002	female	all maturity st	all shell condi	1506.46592	1	0.03879045
2003	male	all maturity st	all shell condi	114.104966	1	1.18743088
2003	female	all maturity st	all shell condi	284.1756	1	0.84569437
2004	male	all maturity st	all shell condi	151.676625	1	-1.1075083
2004	female	all maturity st	all shell condi	37.0564652	1	5.45716561
2005	male	all maturity st	all shell condi	768.776583	1	1.08620207
2005	female	all maturity st	all shell condi	1465.92555	1	-0.225694
2006	male	all maturity st	all shell condi	154.847289	1	2.57399216
2006	female	all maturity st	all shell condi	97.7198433	1	0.68721225
2007	male	all maturity st	all shell condi	198.228664	1	1.32804616
2007	female	all maturity st	all shell condi	59.2316867	1	2.34404348
2008	male	all maturity st	all shell condi	268.10166	1	2.78670583
2008	female	all maturity st	all shell condi	133.238182	1	-0.8387904
2009	male	all maturity st	all shell condi	857.159168	1	0.99898376
2009	female	all maturity st	all shell condi	555.687332	1	-0.4789267
2010	male	all maturity st	all shell condi	1091.44393	1	0.36965722
2010	female	all maturity st	all shell condi	1929.10887	1	0.04129474
2011	male	all maturity st	all shell condi	76.9051092	1	1.97498555
2011	female	all maturity st	all shell condi	74.1916432	1	3.12314252
2012	male	all maturity st	all shell condi	530.925642	1	-1.0705624
2012	female	all maturity st	all shell condi	178.788369	1	1.86590957
2013	male	all maturity st	all shell condi	267.850163	1	0.88084175
2013	female	all maturity st	all shell condi	330.420093	1	1.95741053
2014	male	all maturity st	all shell condi	727.800922	1	1.6055003

	2014	female	all maturity st	all shell condi	315.256196	1	-0.7179256
	2015	male	all maturity st	all shell condi	275.784782	1	1.71129879
	2015	female	all maturity st	all shell condi	117.398632	1	1.64869661
	2016	male	all maturity st	all shell condi	350.354796	1	-1.6929492
	2016	female	all maturity st	all shell condi	51.2128377	1	4.53640507
all		male	all maturity st	all shell condi	4.54710461	0	237.775843
all		female	all maturity st	all shell condi	4.72575391	0	256.826625
all		male	all maturity st	all shell condi	1.93402871	1	43.0153709
all		female	all maturity st	all shell condi	2.04886804	1	48.2753927
	1992	male	all maturity st	all shell condi	10.0384916	1	1.84E-05
	1992	female	all maturity st	all shell condi	4.35775976	1	3.89E-09
	1993	male	all maturity st	all shell condi	7.94536568	1	7.64E-05
	1993	female	all maturity st	all shell condi	4.30470148	1	4.49E-08
	1996	male	all maturity st	all shell condi	5.33213804	1	2.04E-06
	1996	female	all maturity st	all shell condi	1.83372702	1	3.82E-10
	1997	male	all maturity st	all shell condi	6.35907432	1	2.00E-05
	1997	female	all maturity st	all shell condi	5.02096768	1	2.27E-09
	1998	male	all maturity st	all shell condi	6.76795365	1	8.00E-06
	1998	female	all maturity st	all shell condi	3.95961793	1	1.23E-09
	1999	male	all maturity st	all shell condi	6.77734644	1	3.16E-06
	1999	female	all maturity st	all shell condi	3.84891086	1	8.91E-10
	2000	male	all maturity st	all shell condi	7.62562493	1	1.12E-05
	2000	female	all maturity st	all shell condi	4.48151142	1	2.45E-09
	2001	male	all maturity st	all shell condi	8.07509203	1	5.80E-06
	2001	female	all maturity st	all shell condi	3.59157167	1	2.57E-09
	2002	male	all maturity st	all shell condi	8.69472877	1	8.97E-06
	2002	female	all maturity st	all shell condi	3.8532893	1	2.89E-09
	2003	male	all maturity st	all shell condi	8.83017704	1	6.18E-06
	2003	female	all maturity st	all shell condi	4.09339366	1	2.62E-09
	2004	male	all maturity st	all shell condi	7.7960107	1	5.39E-06
	2004	female	all maturity st	all shell condi	3.42533663	1	2.56E-09
	2005	male	all maturity st	all shell condi	20.3227555	1	3.64E-06
	2005	female	all maturity st	all shell condi	17.3384414	1	8.22E-10
	2006	male	all maturity st	all shell condi	14.6409026	1	3.00E-06
	2006	female	all maturity st	all shell condi	6.04654694	1	2.47E-09
	2007	male	all maturity st	all shell condi	26.2208566	1	2.62E-06
	2007	female	all maturity st	all shell condi	5.84521315	1	2.29E-09
	2008	male	all maturity st	all shell condi	12.7057375	1	8.87E-06
	2008	female	all maturity st	all shell condi	6.72616839	1	2.79E-09
	2009	male	all maturity st	all shell condi	9.47271894	1	1.21E-05
	2009	female	all maturity st	all shell condi	6.80429883	1	1.52E-09

2010	male	all maturity st	all shell condi	23.1261268	1	1.70E-06
2010	female	all maturity st	all shell condi	6.26212753	1	8.50E-10
2011	male	all maturity st	all shell condi	39.441861	1	5.18E-07
2011	female	all maturity st	all shell condi	2.25640199	1	1.87E-10
2012	male	all maturity st	all shell condi	35.7143645	1	1.17E-06
2012	female	all maturity st	all shell condi	2.64432522	1	2.75E-09
2013	male	all maturity st	all shell condi	26.1575472	1	1.95E-06
2013	female	all maturity st	all shell condi	2.96031139	1	2.51E-09
2014	male	all maturity st	all shell condi	37.8273715	1	2.07E-06
2014	female	all maturity st	all shell condi	4.83202322	1	9.38E-10
2015	male	all maturity st	all shell condi	56.9664321	1	1.62E-06
2015	female	all maturity st	all shell condi	7.62178646	1	2.93E-09
2016	male	all maturity st	all shell condi	27.8000065	1	6.47E-06
2016	female	all maturity st	all shell condi	21.4876267	1	1.08E-09
2015	male	immature	new shell	0.42536187	5	69.9808284
2016	male	immature	new shell	0.42536187	5	89.7439159
2015	female	immature	new shell	0.31979093	5	63.7123092
2016	female	immature	new shell	0.31979093	5	52.792309
1994	male	immature	new shell	0.50421098	0	9.49890513
1995	male	immature	new shell	0.50421098	0	26.0748465
1996	male	immature	new shell	0.50421098	0	283.609192
1997	male	immature	new shell	0.50421098	0	388.134408
1998	male	immature	new shell	0.50421098	0	462.839003
1999	male	immature	new shell	0.50421098	0	391.770258
2000	male	immature	new shell	0.50421098	0	584.66569
2001	male	immature	new shell	0.50421098	0	677.098822
2002	male	immature	new shell	0.50421098	0	659.970089
2003	male	immature	new shell	0.50421098	0	257.746877
2004	male	immature	new shell	0.50421098	0	147.18005
2005	male	immature	new shell	0.50421098	0	84.7246643
2006	male	immature	new shell	0.50421098	0	10.1694036
2011	male	immature	new shell	0.50421098	0	1.93546713
2012	male	immature	new shell	0.50421098	0	2.17296545
1994	female	immature	new shell	0.49906464	0	13.0657422
1995	female	immature	new shell	0.49906464	0	13.2048116
1996	female	immature	new shell	0.49906464	0	204.84917
1997	female	immature	new shell	0.49906464	0	155.613449
1998	female	immature	new shell	0.49906464	0	203.681452
1999	female	immature	new shell	0.49906464	0	246.076435
2000	female	immature	new shell	0.49906464	0	489.125265
2001	female	immature	new shell	0.49906464	0	509.474963

	2002	female	immature	new shell	0.49906464	0	348.507148
	2003	female	immature	new shell	0.49906464	0	81.3738834
	2004	female	immature	new shell	0.49906464	0	92.4255722
	2005	female	immature	new shell	0.49906464	0	24.1987779
	2006	female	immature	new shell	0.49906464	0	7.89787178
	2012	female	immature	new shell	0.49906464	0	2.23857102
	1990	male		new shell	1.41152482	5	33.9186961
	1991	male		new shell	1.41152482	5	60.0163247
	1992	male		new shell	1.41152482	5	15.4620367
	1993	male		new shell	1.41152482	5	16.8846232
	1994	male		new shell	1.41152482	5	17.5074377
	1995	male		new shell	1.41152482	5	10.5583883
	1997	male		new shell	1.41152482	5	13.0747387
	1998	male		new shell	1.41152482	5	15.0690093
	1999	male		new shell	1.41152482	5	15.501385
	2000	male		new shell	1.41152482	5	16.9863676
	2001	male		new shell	1.41152482	5	20.038721
	2002	male		new shell	1.41152482	5	13.0135204
	2003	male		new shell	1.41152482	5	9.09333378
	2004	male		new shell	1.41152482	5	17.6213118
	2005	male		new shell	1.41152482	5	46.9264406
	2008	male		new shell	1.41152482	5	29.7624302
	2010	male		new shell	1.41152482	5	28.425298
	2012	male		new shell	1.41152482	5	15.6683939
	2014	male		new shell	1.41152482	5	7.96556769
	2016	male		new shell	1.41152482	5	39.3054079
	2017	male		new shell	1.41152482	5	8.95857232
all		male	immature	new shell	0.09975135	1	8949.55336
all		male	mature	new shell	0.09975135	1	8949.55336
all		male	immature	old shell	0.09975135	1	8949.55336
all		male	mature	old shell	0.09975135	1	8949.55336
all		female	immature	new shell	0.09975135	1	8949.55336
all		female	mature	new shell	0.09975135	1	8949.55336
all		female	immature	old shell	0.09975135	1	8949.55336
all		female	mature	old shell	0.09975135	1	8949.55336
all		male	immature	new shell	0.09975135	1	2773.73646
all		male	mature	new shell	0.09975135	1	2773.73646
all		male	immature	old shell	0.09975135	1	2773.73646
all		male	mature	old shell	0.09975135	1	2773.73646
all		female	immature	new shell	0.09975135	1	2773.73646
all		female	mature	new shell	0.09975135	1	2773.73646

all		female	immature	old shell	0.09975135	1	2773.73646
all		female	mature	old shell	0.09975135	1	2773.73646
all		male	immature	all shell condi	2.58656373	0	143.841707
all		male	mature	all shell condi	1.92942792	0	80.0378802
all		female	immature	all shell condi	2.4485353	0	128.89949
all		female	mature	all shell condi	2.16480025	0	100.756743
all		male	mature	all shell condi	2.00150334	0	86.1293359
all		female	mature	all shell condi	2.11483489	0	96.1593221
	1975	male	immature	all shell condi	746.855501	0	0.97598179
	1975	male	mature	all shell condi	64.2763224	0	37.2997019
	1975	female	immature	all shell condi	250.713831	0	3.42921351
	1975	female	mature	all shell condi	130.481834	0	-7.5628963
	1976	male	immature	all shell condi	575.160145	0	2.61517153
	1976	male	mature	all shell condi	157.032442	0	4.06559418
	1976	female	immature	all shell condi	75.3002839	0	17.3360554
	1976	female	mature	all shell condi	234.353908	0	-3.6941224
	1977	male	immature	all shell condi	193.040184	0	-0.7057706
	1977	male	mature	all shell condi	164.629347	0	-3.5167292
	1977	female	immature	all shell condi	25.9646789	0	36.6742898
	1977	female	mature	all shell condi	777.359302	0	-1.9413392
	1978	male	immature	all shell condi	346.131105	0	-5.0339009
	1978	male	mature	all shell condi	245.676502	0	2.70350134
	1978	female	immature	all shell condi	46.6422377	0	20.1365712
	1978	female	mature	all shell condi	2602.78528	0	0.43205432
	1979	male	immature	all shell condi	202.472955	0	4.76607453
	1979	male	mature	all shell condi	238.646094	0	-4.740153
	1979	female	immature	all shell condi	335.233747	0	-1.0123272
	1979	female	mature	all shell condi	56.5260832	0	20.923802
	1980	male	immature	all shell condi	106.905281	0	16.3402841
	1980	male	mature	all shell condi	137.692214	0	-9.0356118
	1980	female	immature	all shell condi	1017.02658	0	2.03565816
	1980	female	mature	all shell condi	37.7577992	0	18.8676838
	1981	male	immature	all shell condi	570.738414	0	3.44638637
	1981	male	mature	all shell condi	257.925123	0	-10.857193
	1981	female	immature	all shell condi	180.367229	0	-2.5825907
	1981	female	mature	all shell condi	18.9255491	0	51.3722904
	1982	male	immature	all shell condi	173.498849	0	-9.664719
	1982	male	mature	all shell condi	213.361454	0	-11.777913
	1982	female	immature	all shell condi	143.250313	0	-4.3097534
	1982	female	mature	all shell condi	5.5098461	0	108.213225
	1983	male	immature	all shell condi	100.547694	0	7.38548285

1983	male	mature	all shell condi	331.203544	0	-7.7202953
1983	female	immature	all shell condi	47.9641224	0	18.6485456
1983	female	mature	all shell condi	94.5809519	0	14.65448
1984	male	immature	all shell condi	243.802081	0	-9.8849166
1984	male	mature	all shell condi	471.298312	0	4.91526303
1984	female	immature	all shell condi	159.905818	0	1.03296074
1984	female	mature	all shell condi	62.419891	0	22.7362163
1985	male	immature	all shell condi	170.095767	0	-14.94771
1985	male	mature	all shell condi	143.494897	0	17.5800918
1985	female	immature	all shell condi	195.1153	0	-9.3403829
1985	female	mature	all shell condi	52.7599637	0	28.4435014
1986	male	immature	all shell condi	144.714318	0	0.83509191
1986	male	mature	all shell condi	80.8931877	0	18.6118893
1986	female	immature	all shell condi	98.7414838	0	-2.72887
1986	female	mature	all shell condi	224.980665	0	3.89566019
1987	male	immature	all shell condi	84.5865552	0	1.1036697
1987	male	mature	all shell condi	674.950743	0	6.16130882
1987	female	immature	all shell condi	40.1955438	0	40.8712568
1987	female	mature	all shell condi	463.349803	0	-1.0470472
1988	male	immature	all shell condi	182.346852	0	-4.5665822
1988	male	mature	all shell condi	216.797756	0	12.7515275
1988	female	immature	all shell condi	180.790711	0	-5.6282864
1988	female	mature	all shell condi	55.5593321	0	20.6296319
1989	male	immature	all shell condi	170.620716	0	-1.5344661
1989	male	mature	all shell condi	262.078383	0	8.7412486
1989	female	immature	all shell condi	110.245889	0	9.37083886
1989	female	mature	all shell condi	288.331406	0	0.99215892
1990	male	immature	all shell condi	332.86766	0	-6.4831365
1990	male	mature	all shell condi	329.594757	0	1.15615365
1990	female	immature	all shell condi	243.527903	0	3.63400006
1990	female	mature	all shell condi	137.377315	0	15.659709
1991	male	immature	all shell condi	222.990026	0	-0.7366539
1991	male	mature	all shell condi	432.339447	0	-3.7134176
1991	female	immature	all shell condi	120.459975	0	5.04497694
1991	female	mature	all shell condi	200.600718	0	15.4089629
1992	male	immature	all shell condi	489.888148	0	1.0610806
1992	male	mature	all shell condi	228.919568	0	2.13672408
1992	female	immature	all shell condi	210.020163	0	2.98557507
1992	female	mature	all shell condi	730.321279	0	7.11906299
1993	male	immature	all shell condi	910.714982	0	5.40093381
1993	male	mature	all shell condi	321.706284	0	1.87797791

1993	female	immature	all shell condi	357.031646	0	3.43438799
1993	female	mature	all shell condi	685.990597	0	-3.3164778
1994	male	immature	all shell condi	357.197924	0	2.54745865
1994	male	mature	all shell condi	434.832901	0	-2.5599379
1994	female	immature	all shell condi	76.5170465	0	13.3598848
1994	female	mature	all shell condi	2612.56339	0	-1.0303301
1995	male	immature	all shell condi	193.481758	0	-8.0040932
1995	male	mature	all shell condi	394.353909	0	2.31794729
1995	female	immature	all shell condi	280.851165	0	-3.9573119
1995	female	mature	all shell condi	50.9577994	0	29.1155814
1996	male	immature	all shell condi	216.990584	0	-9.5165597
1996	male	mature	all shell condi	407.399373	0	7.31887514
1996	female	immature	all shell condi	211.69569	0	-4.2193401
1996	female	mature	all shell condi	68.0365793	0	22.4732934
1997	male	immature	all shell condi	180.205041	0	-3.1364349
1997	male	mature	all shell condi	3093.82289	0	-0.4070148
1997	female	immature	all shell condi	59.5372481	0	17.1664003
1997	female	mature	all shell condi	2270.24252	0	1.06601343
1998	male	immature	all shell condi	162.22715	0	3.3657935
1998	male	mature	all shell condi	1905.45333	0	0.7872745
1998	female	immature	all shell condi	183.85205	0	12.5320064
1998	female	mature	all shell condi	457.37608	0	-3.8565884
1999	male	immature	all shell condi	105.15156	0	4.9515064
1999	male	mature	all shell condi	1732.82442	0	0.88122096
1999	female	immature	all shell condi	63.8031103	0	13.903967
1999	female	mature	all shell condi	874.577348	0	-1.3488605
2000	male	immature	all shell condi	148.079865	0	1.14084803
2000	male	mature	all shell condi	1025.63933	0	3.78391234
2000	female	immature	all shell condi	233.504597	0	4.99577864
2000	female	mature	all shell condi	456.575517	0	0.74652969
2001	male	immature	all shell condi	213.379401	0	4.67847889
2001	male	mature	all shell condi	639.60487	0	-3.4774084
2001	female	immature	all shell condi	110.405846	0	16.3456047
2001	female	mature	all shell condi	519.186438	0	-2.9826894
2002	male	immature	all shell condi	152.714699	0	2.2059616
2002	male	mature	all shell condi	1415.46076	0	-1.7410725
2002	female	immature	all shell condi	84.525618	0	16.219373
2002	female	mature	all shell condi	1602.27539	0	-1.6819095
2003	male	immature	all shell condi	330.106187	0	-2.247363
2003	male	mature	all shell condi	2866.32627	0	2.3879827
2003	female	immature	all shell condi	299.633592	0	-1.7509078

2003	female	mature	all shell condi	122.557222	0	10.6154552
2004	male	immature	all shell condi	92.8880154	0	2.97630852
2004	male	mature	all shell condi	442.254676	0	10.7509397
2004	female	immature	all shell condi	51.1481657	0	20.5011724
2004	female	mature	all shell condi	458.925817	0	-2.1030688
2005	male	immature	all shell condi	177.163816	0	-0.9948966
2005	male	mature	all shell condi	1469.60838	0	-2.4963442
2005	female	immature	all shell condi	133.416227	0	17.9144661
2005	female	mature	all shell condi	3526.34519	0	-0.6479979
2006	male	immature	all shell condi	521.77222	0	2.34110012
2006	male	mature	all shell condi	2064.59341	0	-0.4754435
2006	female	immature	all shell condi	256.289659	0	8.92005398
2006	female	mature	all shell condi	872.520391	0	-2.6957054
2007	male	immature	all shell condi	277.655601	0	14.2758534
2007	male	mature	all shell condi	1212.02925	0	-0.7138754
2007	female	immature	all shell condi	509.552742	0	4.05172965
2007	female	mature	all shell condi	223.688858	0	-6.6625466
2008	male	immature	all shell condi	1483.70023	0	3.49125263
2008	male	mature	all shell condi	1716.24648	0	0.28731412
2008	female	immature	all shell condi	547.165273	0	3.01553643
2008	female	mature	all shell condi	901.402114	0	-2.3948276
2009	male	immature	all shell condi	176.914178	0	-1.770999
2009	male	mature	all shell condi	839.947842	0	3.340529
2009	female	immature	all shell condi	148.493104	0	4.77639455
2009	female	mature	all shell condi	674.665491	0	3.57796829
2010	male	immature	all shell condi	250.256954	0	-5.2140421
2010	male	mature	all shell condi	337.305168	0	10.4303581
2010	female	immature	all shell condi	340.109125	0	0.49992164
2010	female	mature	all shell condi	11161.1791	0	0.48520983
2011	male	immature	all shell condi	384.028562	0	-0.2732783
2011	male	mature	all shell condi	2153.94306	0	2.54959247
2011	female	immature	all shell condi	209.514077	0	8.98320813
2011	female	mature	all shell condi	557.888942	0	-2.8492054
2012	male	immature	all shell condi	456.760219	0	4.38703664
2012	male	mature	all shell condi	3327.94645	0	1.39207132
2012	female	immature	all shell condi	236.622687	0	1.51035953
2012	female	mature	all shell condi	785.658936	0	0.00057884
2013	male	immature	all shell condi	513.466881	0	1.5433511
2013	male	mature	all shell condi	275.738026	0	5.43049231
2013	female	immature	all shell condi	298.907473	0	1.8612297
2013	female	mature	all shell condi	1464.6206	0	1.41345363

	2014	male	immature	all shell condi	300.077478	0	5.98599754
	2014	male	mature	all shell condi	579.724799	0	2.57491882
	2014	female	immature	all shell condi	61.5766566	0	15.736164
	2014	female	mature	all shell condi	599.009446	0	-3.8694962
	2015	male	immature	all shell condi	689.159742	0	2.42663861
	2015	male	mature	all shell condi	689.819627	0	0.31928365
	2015	female	immature	all shell condi	267.416635	0	5.42519385
	2015	female	mature	all shell condi	273.728773	0	2.43360605
	2016	male	immature	all shell condi	451.082448	0	2.61690859
	2016	male	mature	all shell condi	224.701134	0	12.2451018
	2016	female	immature	all shell condi	254.76487	0	3.2493835
	2016	female	mature	all shell condi	257.202827	0	-2.4418531
	2017	male	immature	all shell condi	79.3700289	0	-1.1520381
	2017	male	mature	all shell condi	173.479067	0	14.8607449
	2017	female	immature	all shell condi	37.2672107	0	14.7056684
	2017	female	mature	all shell condi	382.416858	0	2.49087994
all		male	all maturity st	new shell	2.5198446	1	136.516761
all		male	all maturity st	old shell	3.40087092	1	248.667345
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
all		male	all maturity st	new shell	2.45269408	1	129.337727
all		male	all maturity st	old shell	2.60576644	1	145.985403
all		female	all maturity st	new shell	0	1	0
all		female	all maturity st	old shell	0	1	0
	1975	male	all maturity st	new shell	55.1760897	1	28.6904865
	1975	male	all maturity st	old shell	23.0280616	1	35.5359564
	1976	male	all maturity st	new shell	153.470166	1	9.77710584
	1976	male	all maturity st	old shell	16.3800241	1	56.1702141
	1977	male	all maturity st	new shell	84.979838	1	13.4142955
	1977	male	all maturity st	old shell	49.5317254	1	23.7434379
	1978	male	all maturity st	new shell	137.666826	1	8.68132987
	1978	male	all maturity st	old shell	37.5729606	1	27.584734
	1979	male	all maturity st	new shell	86.8033025	1	8.16836514
	1979	male	all maturity st	old shell	26.0162189	1	36.6534781
	1980	male	all maturity st	new shell	50.1327217	1	14.1363491
	1980	male	all maturity st	old shell	25.447136	1	36.9463241
	1981	male	all maturity st	new shell	74.4843793	1	12.4379798
	1981	male	all maturity st	old shell	21.774434	1	35.141157
	1982	male	all maturity st	new shell	69.4272004	1	14.2751045
	1982	male	all maturity st	old shell	343.966226	1	2.85252652
	1983	male	all maturity st	new shell	33.7247156	1	23.3453902

1983	male	all maturity st	old shell	100.735839	1	9.20324911
1984	male	all maturity st	new shell	86.2537501	1	6.16691741
1984	male	all maturity st	old shell	69.6157645	1	12.3442104
1985	male	all maturity st	new shell	155.173199	1	8.33562285
1985	male	all maturity st	old shell	61.3368893	1	15.4313724
1986	male	all maturity st	new shell	55.2328702	1	14.0354924
1986	male	all maturity st	old shell	109.135445	1	7.25447659
1987	male	all maturity st	new shell	39.8265457	1	15.7728172
1987	male	all maturity st	old shell	140.26787	1	7.5552493
1988	male	all maturity st	new shell	69.7514368	1	13.8894029
1988	male	all maturity st	old shell	130.753942	1	7.63836122
1989	male	all maturity st	new shell	75.5774931	1	13.4321129
1989	male	all maturity st	old shell	264.50437	1	3.3475616
1990	male	all maturity st	new shell	172.124784	1	7.20644123
1990	male	all maturity st	old shell	69.3116392	1	9.6486894
1991	male	all maturity st	new shell	130.974912	1	7.80879193
1991	male	all maturity st	old shell	71.4413763	1	12.3028456
1992	male	all maturity st	new shell	146.942761	1	7.38039033
1992	male	all maturity st	old shell	56.6555296	1	12.5137484
1993	male	all maturity st	new shell	346.130994	1	2.87033957
1993	male	all maturity st	old shell	89.5217572	1	6.27927069
1994	male	all maturity st	new shell	124.5845	1	7.15613911
1994	male	all maturity st	old shell	89.0698133	1	6.57697917
1995	male	all maturity st	new shell	91.9010731	1	9.14477704
1995	male	all maturity st	old shell	82.9156538	1	8.16420388
1996	male	all maturity st	new shell	128.11649	1	8.82512341
1996	male	all maturity st	old shell	82.1499834	1	7.30177543
1997	male	all maturity st	new shell	71.3544739	1	9.18218654
1997	male	all maturity st	old shell	269.751513	1	3.73519583
1998	male	all maturity st	new shell	73.207338	1	9.15786235
1998	male	all maturity st	old shell	269.603828	1	4.38078307
1999	male	all maturity st	new shell	54.0051848	1	10.8463116
1999	male	all maturity st	old shell	129.460633	1	6.14905856
2000	male	all maturity st	new shell	71.5921512	1	7.25976844
2000	male	all maturity st	old shell	124.403586	1	7.31877813
2001	male	all maturity st	new shell	79.6151799	1	9.82933798
2001	male	all maturity st	old shell	179.035672	1	5.47394981
2002	male	all maturity st	new shell	49.0876097	1	13.4042161
2002	male	all maturity st	old shell	404.167625	1	3.4096262
2003	male	all maturity st	new shell	145.523915	1	5.32044591
2003	male	all maturity st	old shell	237.562384	1	4.59866195

	2004	male	all maturity st	new shell	44.3146674	1	16.0348888
	2004	male	all maturity st	old shell	50.3813663	1	56.8041754
	2005	male	all maturity st	new shell	75.1792002	1	10.7347043
	2005	male	all maturity st	old shell	499.245096	1	2.75635616
	2006	male	all maturity st	new shell	127.201112	1	7.78452796
	2006	male	all maturity st	old shell	255.665158	1	5.21719567
	2007	male	all maturity st	new shell	224.498108	1	6.19907089
	2007	male	all maturity st	old shell	313.029325	1	6.01256036
	2008	male	all maturity st	new shell	752.68294	1	1.74741753
	2008	male	all maturity st	old shell	244.011093	1	5.86693374
	2009	male	all maturity st	new shell	84.5847152	1	7.70587809
	2009	male	all maturity st	old shell	171.692376	1	5.05481781
	2010	male	all maturity st	new shell	94.6846255	1	9.44639062
	2010	male	all maturity st	old shell	282.133317	1	3.96041666
	2011	male	all maturity st	new shell	200.112984	1	3.37516569
	2011	male	all maturity st	old shell	214.177277	1	4.85268272
	2012	male	all maturity st	new shell	269.920252	1	2.72878309
	2012	male	all maturity st	old shell	117.168979	1	8.71481944
	2013	male	all maturity st	new shell	132.258562	1	7.32875307
	2013	male	all maturity st	old shell	200.427623	1	7.24679504
	2014	male	all maturity st	new shell	175.598526	1	7.0677869
	2014	male	all maturity st	old shell	98.9390416	1	7.11504649
	2015	male	all maturity st	new shell	338.139123	1	5.12174875
	2015	male	all maturity st	old shell	144.346961	1	5.42686439
	2016	male	all maturity st	new shell	186.419386	1	7.55881073
	2016	male	all maturity st	old shell	108.371918	1	7.67475295
	2017	male	all maturity st	new shell	20.4762412	1	19.5432172
	2017	male	all maturity st	old shell	104.152214	1	7.7798767
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.4485353	1	128.89949
all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.29190629	1	112.935941
all		female	mature	old shell	2.40101493	1	123.944763
all		male	immature	new shell	0	1	0
all		male	immature	old shell	0	1	0
all		male	mature	new shell	0	1	0
all		male	mature	old shell	0	1	0
all		female	immature	new shell	2.2366278	1	107.553835

all		female	immature	old shell	0	1	0
all		female	mature	new shell	2.27490212	1	111.266363
all		female	mature	old shell	2.30160747	1	113.894034
	1975	female	immature	new shell	28.6182774	1	7.06143995
	1975	female	mature	new shell	130.002769	1	1.26442058
	1975	female	mature	old shell	12.0432181	1	18.5095033
	1976	female	immature	new shell	29.4606047	1	6.33959426
	1976	female	mature	new shell	195.337319	1	1.14544815
	1976	female	mature	old shell	13.4294208	1	19.0902722
	1977	female	immature	new shell	34.7696557	1	4.52188965
	1977	female	mature	new shell	499.966563	1	0.93115078
	1977	female	mature	old shell	51.4824785	1	6.04422731
	1978	female	immature	new shell	20.4914648	1	6.85536077
	1978	female	mature	new shell	66.6439997	1	1.62167363
	1978	female	mature	old shell	126.213359	1	2.65231359
	1979	female	immature	new shell	41.0402881	1	2.55247067
	1979	female	mature	new shell	19.8997075	1	7.48115177
	1979	female	mature	old shell	48.9565847	1	5.58549877
	1980	female	immature	new shell	157.101396	1	1.33900291
	1980	female	mature	new shell	8.02828315	1	12.4689628
	1980	female	mature	old shell	38.658379	1	6.08529567
	1981	female	immature	new shell	24.2481122	1	10.5968186
	1981	female	mature	new shell	6.85636649	1	20.8962084
	1981	female	mature	old shell	133.241341	1	4.71632323
	1982	female	immature	new shell	30.5129401	1	10.6674443
	1982	female	mature	new shell	7.81251882	1	13.0437669
	1982	female	mature	old shell	20.4626686	1	11.156713
	1983	female	immature	new shell	17.8969956	1	9.06351598
	1983	female	mature	new shell	43.4652852	1	3.77902546
	1983	female	mature	old shell	60.1234313	1	3.71468597
	1984	female	immature	new shell	34.0555095	1	3.50291339
	1984	female	mature	new shell	23.4080817	1	4.06552422
	1984	female	mature	old shell	244.559975	1	1.59192018
	1985	female	immature	new shell	151.604746	1	1.55964127
	1985	female	mature	new shell	13.338874	1	15.8793213
	1985	female	mature	old shell	167.556364	1	2.33925472
	1986	female	immature	new shell	39.069744	1	4.93405913
	1986	female	mature	new shell	8.43682973	1	13.050663
	1986	female	mature	old shell	37.1142298	1	8.10118856
	1987	female	immature	new shell	14.5769343	1	22.624994
	1987	female	mature	new shell	38.8373088	1	4.78724405

1987	female	mature	old shell	23.9679134	1	15.2426077
1988	female	immature	new shell	101.043506	1	4.20371954
1988	female	mature	new shell	13.3609294	1	12.4407224
1988	female	mature	old shell	40.6108256	1	8.88264448
1989	female	immature	new shell	35.4358441	1	4.08392469
1989	female	mature	new shell	20.1288355	1	7.14953843
1989	female	mature	old shell	38.7668087	1	10.9303117
1990	female	immature	new shell	48.2800204	1	3.23552355
1990	female	mature	new shell	138.893682	1	0.8598466
1990	female	mature	old shell	31.2857479	1	11.7693845
1991	female	immature	new shell	16.4648528	1	9.37282208
1991	female	mature	new shell	75.5471686	1	1.62095495
1991	female	mature	old shell	126.335405	1	3.61013539
1992	female	immature	new shell	19.483278	1	11.0810444
1992	female	mature	new shell	54.0330518	1	2.93410689
1992	female	mature	old shell	145.188192	1	3.0046203
1993	female	immature	new shell	36.941793	1	6.39812469
1993	female	mature	new shell	24.5766069	1	4.66810806
1993	female	mature	old shell	198.307364	1	1.83288362
1994	female	immature	new shell	24.9988586	1	6.95253431
1994	female	mature	new shell	33.4201338	1	5.12345422
1994	female	mature	old shell	521.87969	1	1.16422078
1995	female	immature	new shell	77.3027772	1	3.33765604
1995	female	mature	new shell	24.2434395	1	6.73002825
1995	female	mature	old shell	730.347829	1	0.46589503
1996	female	immature	new shell	67.4974705	1	4.04401471
1996	female	mature	new shell	30.8435735	1	4.49905113
1996	female	mature	old shell	350.8432	1	1.05490202
1997	female	immature	new shell	29.3176169	1	4.83762186
1997	female	mature	new shell	95.8037938	1	1.57890725
1997	female	mature	old shell	216.066386	1	1.90970767
1998	female	immature	new shell	116.794293	1	1.8363613
1998	female	mature	new shell	67.2634421	1	2.58321651
1998	female	mature	old shell	239.925862	1	2.59699243
1999	female	immature	new shell	25.6476841	1	5.56680655
1999	female	mature	new shell	24.1231717	1	4.581241
1999	female	mature	old shell	196.690607	1	1.596505
2000	female	immature	new shell	83.1273519	1	1.63455708
2000	female	mature	new shell	56.3099455	1	2.25856574
2000	female	mature	old shell	33.3877481	1	10.0848451
2001	female	immature	new shell	93.4176324	1	1.76467032

2001	female	mature	new shell	104.705635	1	2.61235073
2001	female	mature	old shell	67.571734	1	3.93277403
2002	female	immature	new shell	52.5010804	1	2.72146502
2002	female	mature	new shell	33.7795689	1	4.00956386
2002	female	mature	old shell	97.3527704	1	2.59507824
2003	female	immature	new shell	85.4463872	1	1.94941778
2003	female	mature	new shell	82.9888615	1	1.64146489
2003	female	mature	old shell	39.6288708	1	9.15815866
2004	female	immature	new shell	20.8970666	1	8.72189614
2004	female	mature	new shell	248.683003	1	0.47491695
2004	female	mature	old shell	37.9614081	1	10.049268
2005	female	immature	new shell	186.047976	1	1.48629255
2005	female	mature	new shell	116.683577	1	1.68725209
2005	female	mature	old shell	283.536761	1	2.4352823
2006	female	immature	new shell	84.5322288	1	2.48269994
2006	female	mature	new shell	395.602384	1	0.73479187
2006	female	mature	old shell	110.591661	1	3.20895458
2007	female	immature	new shell	85.4956873	1	3.26922235
2007	female	mature	new shell	65.3900761	1	3.00221355
2007	female	mature	old shell	729.438394	1	0.54968944
2008	female	immature	new shell	81.0087325	1	2.71724804
2008	female	mature	new shell	87.8896873	1	2.24752719
2008	female	mature	old shell	366.718332	1	1.1410575
2009	female	immature	new shell	35.4041046	1	3.71627844
2009	female	mature	new shell	35.4748348	1	2.5888858
2009	female	mature	old shell	270.002175	1	0.95145163
2010	female	immature	new shell	105.6579	1	1.47013155
2010	female	mature	new shell	193.424852	1	0.94593554
2010	female	mature	old shell	840.439845	1	0.75244536
2011	female	immature	new shell	68.4972329	1	2.82007198
2011	female	mature	new shell	45.056115	1	2.40316108
2011	female	mature	old shell	404.316866	1	1.6299933
2012	female	immature	new shell	59.0729146	1	3.55325758
2012	female	mature	new shell	45.6034972	1	2.46093556
2012	female	mature	old shell	361.463942	1	1.12749502
2013	female	immature	new shell	55.5558044	1	4.86003487
2013	female	mature	new shell	336.234388	1	0.4557554
2013	female	mature	old shell	65.1492109	1	4.50950762
2014	female	immature	new shell	11.2541238	1	17.9705112
2014	female	mature	new shell	50.1217	1	1.85947712
2014	female	mature	old shell	87.4790279	1	3.71616097

	2015	female	immature	new shell	40.2082328	1	6.12852936
	2015	female	mature	new shell	18.2490258	1	5.68812342
	2015	female	mature	old shell	102.542882	1	2.73316335
	2016	female	immature	new shell	31.3966974	1	7.26929932
	2016	female	mature	new shell	44.2966182	1	4.5883777
	2016	female	mature	old shell	40.2470904	1	5.74092586
	2017	female	immature	new shell	9.76483628	1	11.8099648
	2017	female	mature	new shell	23.2815249	1	8.56144407
	2017	female	mature	old shell	59.5457518	1	3.35462614
all		male	all maturity st	all shell condi	5.0876389	0	491.797322
all		female	all maturity st	all shell condi	0	0	0
all		male	all maturity st	all shell condi	1.0701748	1	21.760208
all		female	all maturity st	all shell condi	0	1	0
	1980	male	all maturity st	all shell condi	11.3381612	1	15.899655
	1981	male	all maturity st	all shell condi	38.3077813	1	4.05433264
	1982	male	all maturity st	all shell condi	40.7730703	1	5.93396988
	1983	male	all maturity st	all shell condi	29.0965258	1	1.16419312
	1984	male	all maturity st	all shell condi	66.2280287	1	1.06610703
	1988	male	all maturity st	all shell condi	18.4054292	1	11.3111425
	1989	male	all maturity st	all shell condi	30.2496111	1	2.01361579
	1990	male	all maturity st	all shell condi	15.2564335	1	21.9488876
	1991	male	all maturity st	all shell condi	1243.20847	1	0.68645992
	1992	male	all maturity st	all shell condi	86.5226876	1	8.41727969
	1993	male	all maturity st	all shell condi	155.261226	1	5.35918153
	1994	male	all maturity st	all shell condi	78.7379048	1	10.7455832
	1995	male	all maturity st	all shell condi	11.7781604	1	2.6673274
	1996	male	all maturity st	all shell condi	201.422011	1	0.73392421
	2005	male	all maturity st	all shell condi	11.3182005	1	0.97556968
	2006	male	all maturity st	all shell condi	272.802173	1	0.48757768
	2007	male	all maturity st	all shell condi	247.659781	1	1.12591048
	2008	male	all maturity st	all shell condi	187.53673	1	0.89309227
	2009	male	all maturity st	all shell condi	34.8956076	1	0.97187831
	2013	male	all maturity st	all shell condi	149.194098	1	0.60246658
	2014	male	all maturity st	all shell condi	263.26714	1	1.28188263
	2015	male	all maturity st	all shell condi	265.483492	1	2.7812993
all		male	all maturity st	all shell condi	4.47483693	1	130.157076
all		female	all maturity st	all shell condi	5.99810282	1	233.852044
	1991	male	all maturity st	all shell condi	146.471513	1	14.1455045
	1991	female	all maturity st	all shell condi	235.671987	1	12.4523108
	1992	male	all maturity st	all shell condi	197.733326	1	16.8029049
	1992	female	all maturity st	all shell condi	905.422134	1	2.65565434

	1993	male	all maturity st	all shell condi	118.950117	1	20.4211896
	1993	female	all maturity st	all shell condi	298.685229	1	5.8425206
	1994	male	all maturity st	all shell condi	129.696248	1	4.21691623
	1994	female	all maturity st	all shell condi	64.5258751	1	11.1054013
	1995	male	all maturity st	all shell condi	14.9010545	1	23.1387408
	1995	female	all maturity st	all shell condi	99.9590094	1	8.39141886
	1996	male	all maturity st	all shell condi	25.0095995	1	1.84256514
	1996	female	all maturity st	all shell condi	195.968873	1	0.52221642
	2005	male	all maturity st	all shell condi	153.421586	1	16.7769316
	2005	female	all maturity st	all shell condi	37.5621375	1	8.30789045
	2006	male	all maturity st	all shell condi	309.343139	1	6.2667761
	2006	female	all maturity st	all shell condi	356.651572	1	7.30868899
	2007	male	all maturity st	all shell condi	541.048284	1	4.89878815
	2007	female	all maturity st	all shell condi	348.158019	1	2.92106606
	2008	male	all maturity st	all shell condi	484.673583	1	8.25424454
	2008	female	all maturity st	all shell condi	41.6020932	1	2.76282633
	2009	male	all maturity st	all shell condi	64.3872363	1	11.3798785
	2009	female	all maturity st	all shell condi	27.418152	1	1.17087713
	2013	male	all maturity st	all shell condi	920.890552	1	1.9417349
	2013	female	all maturity st	all shell condi	72.8574127	1	3.99199883
	2014	male	all maturity st	all shell condi	475.077261	1	7.65084931
	2014	female	all maturity st	all shell condi	197.134591	1	1.99521187
	2015	male	all maturity st	all shell condi	313.924949	1	8.96994256
	2015	female	all maturity st	all shell condi	70.8860927	1	10.481413
all		male	all maturity st	all shell condi	5.35374373	0	358.28215
all		female	all maturity st	all shell condi	4.26318467	0	227.184294
all		male	all maturity st	all shell condi	2.14302899	1	57.4071659
all		female	all maturity st	all shell condi	2.16973023	1	58.8466161
	1992	male	all maturity st	all shell condi	75.4223534	1	14.1883132
	1992	female	all maturity st	all shell condi	17.8727128	1	9.34453576
	1993	male	all maturity st	all shell condi	497.957807	1	2.59171058
	1993	female	all maturity st	all shell condi	38.502356	1	8.96649535
	1994	male	all maturity st	all shell condi	66.0578936	1	5.30620523
	1994	female	all maturity st	all shell condi	45.7538034	1	16.773444
	1995	male	all maturity st	all shell condi	651.357421	1	0.80348526
	1995	female	all maturity st	all shell condi	57.591939	1	2.13824532
	1996	male	all maturity st	all shell condi	81.1253137	1	11.106045
	1996	female	all maturity st	all shell condi	46.9641141	1	4.22635164
	1997	male	all maturity st	all shell condi	606.795257	1	3.43318704
	1997	female	all maturity st	all shell condi	177.482106	1	1.02776249
	1998	male	all maturity st	all shell condi	783.906634	1	1.48897908

	1998	female	all maturity st	all shell condi	17.297882	1	3.63069759
	1999	male	all maturity st	all shell condi	200.148847	1	0.87186195
	1999	female	all maturity st	all shell condi	26.6063642	1	0.72672896
	2000	male	all maturity st	all shell condi	548.657936	1	0.80711844
	2000	female	all maturity st	all shell condi	31.4142239	1	0.9211669
	2001	male	all maturity st	all shell condi	445.71623	1	1.75119508
	2001	female	all maturity st	all shell condi	110.798121	1	0.62315568
	2002	male	all maturity st	all shell condi	34.321064	1	3.88819391
	2002	female	all maturity st	all shell condi	48.9853111	1	0.56726394
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	2015	male	all maturity st	all shell condi	434.363503	1	5.88707828
	2015	female	all maturity st	all shell condi	155.972951	1	0.80247748
	2016	male	all maturity st	all shell condi	305.769137	1	9.06350134
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Sum of nll			
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	RKF	total catch	abundance
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	SCF	total catch	abundance
			biomass
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	TCF	retained cat	abundance
			biomass
			n.at.z
		total catch	biomass
			n.at.z
growth data	(blank)	(blank)	EBS
			Kodiak
maturity data	(blank)	(blank)	MATURITY_
surveys data	NMFS trawl survey (BC)	index catch	abundance
			biomass
			n.at.z

surveys data	**NMFS trawl survey (BC)**	index catch	**n.at.z**
	NMFS trawl survey (females only)	index catch	**abundance**
			biomass
			n.at.z
	NMFS trawl survey (males only)	index catch	**abundance**
			biomass
			n.at.z

fit.type	nll.type	x	m	s	case B0
BY_TOTAL	**none**	all sexes	**all maturity**	all shell conditions	0.00
BY_TOTAL	**norm2**	all sexes	**all maturity**	all shell conditions	0.07
BY_XE	**multinomial**	female	**all maturity**	all shell conditions	251.59
		male	**all maturity**	all shell conditions	282.80
BY_X	**none**	female	**all maturity**	all shell conditions	0.00
		male	**all maturity**	all shell conditions	0.00
BY_X	**norm2**	female	**all maturity**	all shell conditions	0.00
		male	**all maturity**	all shell conditions	0.39
BY_X	**multinomial**	female	**all maturity**	all shell conditions	2.75
		male	**all maturity**	all shell conditions	45.99
BY_X	**none**	female	**all maturity**	all shell conditions	0.00
		male	**all maturity**	all shell conditions	0.00
BY_X	**norm2**	female	**all maturity**	all shell conditions	1.27
		male	**all maturity**	all shell conditions	0.09
BY_X	**multinomial**	female	**all maturity**	all shell conditions	12.34
		male	**all maturity**	all shell conditions	55.32
BY_X	**none**	female	**all maturity**	all shell conditions	0.00
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BY_X	**norm2**	female	**all maturity**	all shell conditions	0.00
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BY_X	**multinomial**	male	**all maturity**	all shell conditions	65.46
BY_X	**norm2**	female	**all maturity**	all shell conditions	2.00
		male	**all maturity**	all shell conditions	0.26
BY_X	**multinomial**	female	**all maturity**	all shell conditions	9.74
		male	**all maturity**	all shell conditions	87.59
(blank)	**gamma**	female	**immature**	new shell	126.94
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(blank)	**gamma**	female	**immature**	new shell	2,480.94
		male	**immature**	new shell	4,820.40
(blank)	**binomial**	male	**(blank)**	new shell	2,005.32
BY_XM	**lognormal**	female	**immature**	all shell conditions	231.53
			mature	all shell conditions	144.53
		male	**immature**	all shell conditions	281.87
			mature	all shell conditions	136.96
BY_X_MATONLY	**lognormal**	female	**mature**	all shell conditions	111.34
		male	**mature**	all shell conditions	102.21
BY_XME	**multinomial**	female	**immature**	all shell conditions	249.61
			mature	all shell conditions	194.00
		male	**immature**	all shell conditions	201.12

BY_XME	**multinomial**	male	**mature**	all shell conditions	316.24
BY_XMS	**lognormal**	female	**immature**	new shell	231.53
				old shell	0.00
			mature	new shell	144.40
				old shell	213.51
		male	**immature**	new shell	0.00
				old shell	0.00
			mature	new shell	0.00
				old shell	0.00
BY_XMS	**lognormal**	female	**immature**	new shell	191.29
				old shell	0.00
			mature	new shell	136.14
				old shell	166.61
		male	**immature**	new shell	0.00
				old shell	0.00
			mature	new shell	0.00
				old shell	0.00
BY_XMS	**multinomial**	female	**immature**	new shell	359.15
			mature	new shell	444.00
				old shell	297.21
BY_XS	**lognormal**	female	**all maturity**	new shell	0.00
				old shell	0.00
		male	**all maturity**	new shell	307.51
				old shell	456.79
BY_XS	**lognormal**	female	**all maturity**	new shell	0.00
				old shell	0.00
		male	**all maturity**	new shell	207.68
				old shell	358.69
BY_XS	**multinomial**	male	**all maturity**	new shell	470.69
				old shell	731.29

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Average of rmse			
category	fleet	catch.type	data.type
fisheries data	GTF	total catch	abundance
			biomass
	RKF	total catch	abundance
			biomass
	SCF	total catch	abundance
			biomass
	TCF	retained cat	abundance
			biomass
		total catch	biomass
growth data	(blank)	(blank)	EBS
			Kodiak
surveys data	NMFS trawl survey (BC)	index catch	abundance
			biomass
	NMFS trawl survey (females only)	index catch	abundance
			biomass

NMFS trawl survey (females only)	index catch	**biomass**
NMFS trawl survey (males only)	index catch	**abundance**
		biomass

fit.type	nll.type	x	m	s	case B0	B0q
BY_TOTAL	**none**	all sexes	**all maturity**	all shell conditions	0.00	0.00
BY_TOTAL	**norm2**	all sexes	**all maturity**	all shell conditions	0.06	0.06
BY_X	**none**	female	**all maturity**	all shell conditions	0.00	0.00
		male	**all maturity**	all shell conditions	0.00	0.00
BY_X	**norm2**	female	**all maturity**	all shell conditions	0.01	0.01
		male	**all maturity**	all shell conditions	0.18	0.18
BY_X	**none**	female	**all maturity**	all shell conditions	0.00	0.00
		male	**all maturity**	all shell conditions	0.00	0.00
BY_X	**norm2**	female	**all maturity**	all shell conditions	0.32	0.34
		male	**all maturity**	all shell conditions	0.08	0.08
BY_X	**none**	female	**all maturity**	all shell conditions	0.00	0.00
		male	**all maturity**	all shell conditions	0.00	0.00
BY_X	**norm2**	female	**all maturity**	all shell conditions	0.00	0.00
		male	**all maturity**	all shell conditions	0.21	0.20
BY_X	**norm2**	female	**all maturity**	all shell conditions	0.56	0.56
		male	**all maturity**	all shell conditions	0.20	0.20
(blank)	**gamma**	female	**immature**	new shell	0.30	0.29
		male	**immature**	new shell	0.54	0.52
(blank)	**gamma**	female	**immature**	new shell	0.45	0.36
		male	**immature**	new shell	0.61	0.59
BY_XM	**lognormal**	female	**immature**	all shell conditions	3.28	3.13
			mature	all shell conditions	2.59	2.63
		male	**immature**	all shell conditions	3.62	3.73
			mature	all shell conditions	2.52	3.01
BY_X_MATONLY	**lognormal**	female	**mature**	all shell conditions	2.28	2.34
		male	**mature**	all shell conditions	2.18	2.43
BY_XMS	**lognormal**	female	**immature**	new shell	3.28	3.13
				old shell	0.00	0.00
			mature	new shell	2.59	2.62
				old shell	3.15	3.16
		male	**immature**	new shell	0.00	0.00
				old shell	0.00	0.00
			mature	new shell	0.00	0.00
				old shell	0.00	0.00
BY_XMS	**lognormal**	female	**immature**	new shell	2.98	3.01
				old shell	0.00	0.00
			mature	new shell	2.52	2.59
				old shell	2.78	2.80
		male	**immature**	new shell	0.00	0.00

BY_XMS	**lognormal**	male	**immature**	old shell	0.00	0.00
			mature	new shell	0.00	0.00
				old shell	0.00	0.00
BY_XS	**lognormal**	female	**all maturity**	new shell	0.00	0.00
				old shell	0.00	0.00
		male	**all maturity**	new shell	3.78	4.05
				old shell	4.61	4.79
BY_XS	**lognormal**	female	**all maturity**	new shell	0.00	0.00
				old shell	0.00	0.00
		male	**all maturity**	new shell	3.11	3.49
				old shell	4.08	4.20

Sum of nll category	fleet	catch.type	data.type
fisheries data	GTF	total catch	abundance
			biomass
			n.at.z
	RKF	total catch	abundance
			biomass
			n.at.z
	SCF	total catch	abundance
			biomass
			n.at.z
	TCF	retained cat	abundance
			biomass
			n.at.z
		total catch	biomass

fisheries data	**TCF**	total catch	**n.at.z**
growth data	**(blank)**	(blank)	**EBS**
			Kodiak
maturity data	**(blank)**	(blank)	**MATURITY_**
surveys data	**NMFS trawl survey (BC)**	index catch	**abundance**
			biomass
			n.at.z
	NMFS trawl survey (females only)	index catch	**abundance**
			biomass
			n.at.z
	NMFS trawl survey (males only)	index catch	**abundance**
			biomass

biomass

n.at.z

fit.type	nll.type	x	m	s	case B0
BY_TOTAL	**lognormal**	all sexes	**all maturity**	all shell conditions	
	none	all sexes	**all maturity**	all shell conditions	0.00
BY_TOTAL	**lognormal**	all sexes	**all maturity**	all shell conditions	
	norm2	all sexes	**all maturity**	all shell conditions	0.07
BY_XE	**multinomial**	female	**all maturity**	all shell conditions	251.59
		male	**all maturity**	all shell conditions	282.80
BY_X	**lognormal**	female	**all maturity**	all shell conditions	
		male	**all maturity**	all shell conditions	
	none	female	**all maturity**	all shell conditions	0.00
		male	**all maturity**	all shell conditions	0.00
BY_X	**lognormal**	female	**all maturity**	all shell conditions	
		male	**all maturity**	all shell conditions	
	norm2	female	**all maturity**	all shell conditions	0.00
		male	**all maturity**	all shell conditions	0.39
BY_X	**multinomial**	female	**all maturity**	all shell conditions	2.75
		male	**all maturity**	all shell conditions	45.99
BY_X	**lognormal**	female	**all maturity**	all shell conditions	
		male	**all maturity**	all shell conditions	
	none	female	**all maturity**	all shell conditions	0.00
		male	**all maturity**	all shell conditions	0.00
BY_X	**lognormal**	female	**all maturity**	all shell conditions	
		male	**all maturity**	all shell conditions	
	norm2	female	**all maturity**	all shell conditions	1.27
		male	**all maturity**	all shell conditions	0.09
BY_X	**multinomial**	female	**all maturity**	all shell conditions	12.34
		male	**all maturity**	all shell conditions	55.32
BY_X	**lognormal**	female	**all maturity**	all shell conditions	
		male	**all maturity**	all shell conditions	
	none	female	**all maturity**	all shell conditions	0.00
		male	**all maturity**	all shell conditions	0.00
BY_X	**lognormal**	female	**all maturity**	all shell conditions	
		male	**all maturity**	all shell conditions	
	norm2	female	**all maturity**	all shell conditions	0.00
		male	**all maturity**	all shell conditions	0.86
BY_X	**multinomial**	male	**all maturity**	all shell conditions	65.46
BY_X	**lognormal**	female	**all maturity**	all shell conditions	
		male	**all maturity**	all shell conditions	
	norm2	female	**all maturity**	all shell conditions	2.00
		male	**all maturity**	all shell conditions	0.26

BY_X	**multinomial**	female	**all maturity**	all shell conditions	9.74
		male	**all maturity**	all shell conditions	87.59
(blank)	**gamma**	female	**immature**	new shell	126.94
		male	**immature**	new shell	190.60
(blank)	**gamma**	female	**immature**	new shell	2,480.94
		male	**immature**	new shell	4,820.40
(blank)	**binomial**	male	**(blank)**	new shell	2,005.32
BY_XM	**lognormal**	female	**immature**	all shell conditions	231.53
			mature	all shell conditions	144.53
		male	**immature**	all shell conditions	281.87
			mature	all shell conditions	136.96
BY_X_MATONLY	**lognormal**	female	**mature**	all shell conditions	111.34
		male	**mature**	all shell conditions	102.21
BY_XME	**multinomial**	female	**immature**	all shell conditions	249.61
			mature	all shell conditions	194.00
		male	**immature**	all shell conditions	201.12
			mature	all shell conditions	316.24
BY_XMS	**lognormal**	female	**immature**	new shell	231.53
				old shell	0.00
			mature	new shell	144.40
				old shell	213.51
		male	**immature**	new shell	0.00
				old shell	0.00
			mature	new shell	0.00
				old shell	0.00
BY_XMS	**lognormal**	female	**immature**	new shell	191.29
				old shell	0.00
			mature	new shell	136.14
				old shell	166.61
		male	**immature**	new shell	0.00
				old shell	0.00
			mature	new shell	0.00
				old shell	0.00
BY_XMS	**multinomial**	female	**immature**	new shell	359.15
			mature	new shell	444.00
				old shell	297.21
BY_XS	**lognormal**	female	**all maturity**	new shell	0.00
				old shell	0.00
		male	**all maturity**	new shell	307.51
				old shell	456.79
BY_XS	**lognormal**	female	**all maturity**	new shell	0.00
				old shell	0.00
		male	**all maturity**	new shell	207.68

BY_XS	**lognormal**	male	**all maturity**	old shell	358.69
BY_XS	**multinomial**	male	**all maturity**	new shell	470.69
				old shell	731.29

F0	F0a	F0c	G0	G0a	G0b	G0bd	G0bde
			38.62	26.07	31.08	30.83	31.55
0.00	0.00	0.00					
			0.94	0.67	0.19	0.15	0.14
0.09	0.09	0.07					
245.53	244.77	239.89	245.68	237.45	235.25	239.73	242.43
350.17	349.94	361.43	344.27	318.38	314.48	324.57	319.71
			53.53	55.16	54.72	55.84	56.74
			299.70	300.50	288.68	289.30	288.56
0.00	0.00	0.00					
0.00	0.00	0.00					
			57.19	55.46	54.75	55.08	55.23
			58.98	56.94	49.32	49.45	49.53
0.00	0.00	0.00					
0.36	0.36	0.03					
2.65	2.64	2.65	3.47	3.26	4.04	4.16	4.05
43.23	43.21	39.19	47.95	44.56	35.53	36.08	35.54
			266.23	269.92	282.70	260.73	261.74
			322.07	324.15	332.46	312.68	315.82
0.00	0.00	0.00					
0.00	0.00	0.00					
			52.97	52.46	51.82	51.80	51.93
			53.28	53.42	52.90	54.67	54.07
1.10	1.10	1.07					
0.09	0.09	0.03					
13.01	12.99	12.83	17.89	19.46	19.90	18.08	17.56
57.29	57.29	64.11	57.45	75.62	76.59	64.70	64.95
			0.00	0.00	0.00	0.00	0.00
			233.92	251.81	352.70	387.50	357.74
0.00	0.00	0.00					
0.00	0.00	0.00					
			0.00	0.00	0.00	0.00	0.00
			16.79	24.37	28.84	24.65	25.60
0.00	0.00	0.00					
0.74	0.74	1.75					
136.97	136.84	204.30	126.82	124.73	133.51	140.69	131.32
			328.08	350.33	236.29	240.59	240.84
			24.84	22.62	127.99	129.17	127.36
2.37	2.37	1.81					
0.25	0.25	0.28					

9.69	9.68	9.43	9.57	9.89	10.21	10.21	10.22
127.24	127.15	151.65	114.21	113.01	135.64	146.17	136.37
132.08	132.10	132.60	131.93	133.37	133.93	133.91	134.91
177.93	178.01	183.19	177.88	179.62	177.27	177.94	186.44
2,426.76	2,430.60	2,423.80	2,426.78	2,402.05	2,408.93	2,410.29	2,449.33
4,351.61	4,349.92	4,503.34	4,310.27	4,339.04	4,144.18	4,209.75	4,317.46
517.39	517.68	526.26	517.53	518.02	521.24	519.54	464.89
156.61	156.05	162.23	162.21	135.01	139.55	136.72	129.79
102.27	102.71	117.32	102.34	105.23	108.93	102.58	102.08
173.24	173.13	177.99	182.05	141.72	149.53	143.91	147.22
88.99	89.03	97.07	83.10	70.03	69.87	71.59	79.89
95.21	95.62	105.74	94.54	94.33	97.93	93.90	94.84
89.16	89.20	81.23	86.13	78.02	81.18	78.42	78.78
225.16	224.02	233.28	216.51	360.76	328.90	348.46	364.18
347.95	346.67	297.88	347.88	488.31	504.21	495.66	519.39
435.58	437.01	400.77	447.27	190.23	217.77	199.04	59.41
171.98	171.92	221.16	171.29	171.40	140.41	159.75	195.62
156.61	156.05	162.23	162.21	135.01	139.55	136.72	129.79
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.48	112.07	100.50	111.69	111.72	114.57	113.98	112.05
137.98	138.39	170.98	138.84	125.10	127.17	123.74	123.67
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.19	122.18	131.86	126.62	110.43	114.14	114.10	109.39
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106.10	106.64	96.95	104.94	107.03	109.02	110.10	109.02
121.29	121.66	146.59	121.86	110.04	113.41	111.08	111.80
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
397.63	395.28	394.49	394.24	440.71	434.56	433.47	416.75
448.97	448.13	431.01	447.98	438.28	438.65	440.98	439.30
236.88	237.00	265.00	235.50	242.78	244.53	246.70	245.46
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174.17	174.48	174.45	183.26	129.74	140.07	138.26	138.70
301.22	301.27	362.83	297.92	241.74	248.51	271.37	270.21
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.83	133.53	124.47	136.46	112.45	118.30	123.88	120.78

179.18	179.34	208.20	178.49	153.56	161.04	162.93	161.59
495.92	495.10	498.43	496.74	550.87	546.44	522.30	489.76
778.73	779.19	877.02	773.58	704.15	658.64	741.68	677.88