#### ERRATA in Attachment 2 for D2: Halibut DMRs

## Page 21 of the document:

## 4.4.3 Rockfish Program

"Operational characteristics in the rockfish fishery both increase the DMR and complicate sample collection by an observer. When crew is actively sorting halibut, such as when fishing non-pelagic gear, an observer is able to collect viability data. However, when the catch is dumped directly into the RSW tanks and the crew is not actively sorting for halibut, such as when fishing pelagic gear (Pacific Ocean Perch), viability data cannot be collected. In these latter situations, all halibut are delivered to a shoreside processing facility. Halibut delivered to the shoreside processing facility are dead. Even in situations where the crew is sorting halibut and observers obtain viabilities, the presence of rockfish spines tends to decrease the overall condition of the halibut. For these reasons, we recommend calculating DMRs specific to the Rockfish Program and separately for pelagic and non-pelagic gears, reflecting different handling processes (i.e. at-sea sorting). When fishing with pelagic trawl gear, a DMR of 100% will be used since catch is not sorted at sea and any bycaught halibut are delivered shoreside. Due to a limited amount of viability data available for non-pelagic gear (within Rockfish Program), the DMR for GOA CPs fishing NPT gear will be used. As data become available, the DMR computations will be based on viability data."

#### Should read:

#### 4.4.3 Rockfish Program

"Operational characteristics in the rockfish fishery both increase the DMR and complicate sample collection by an observer. When crew is actively sorting halibut, such as when fishing non-pelagic gear, an observer is able to collect viability data. However, when the catch is dumped directly into the RSW tanks and the crew is not actively sorting for halibut, such as when fishing pelagic gear (Pacific Ocean Perch), viability data cannot be collected. In these latter situations, all halibut are delivered to a shoreside processing facility. Halibut delivered to the shoreside processing facility are dead. Even in situations where the crew is sorting halibut and observers obtain viabilities, the presence of rockfish spines tends to decrease the overall condition of the halibut. For these reasons, we recommend calculating DMRs specific to the Rockfish Program and separately for pelagic and non-pelagic gears, reflecting different handling processes (i.e. at-sea sorting). When fishing with pelagic trawl gear, a DMR of 100% will be used since catch is not sorted at sea and any bycaught halibut are delivered shoreside. Due to difficulties in matching viability data to CV trips using non-pelagic gear (within Rockfish Program), the status quo DMR for rockfish will be used (0.66). As methods for obtaining viability data from this operational grouping become available, the DMR computations will be based on viability data using the proposed estimation methods."

## Page 25 of the document:

## Constraints on Estimation

Table 2 contains the proposed breakout of operational groupings as well as an indication of the number of individual halibut for which data were collected from 2009 to 2015. For much of the groundfish fleet, the average annual number of viabilities ranged from just under 500 (GOA CV HAL) to over 11 thousand (BSAI CV HAL). While a minimum number of halibut conditions on which a DMR estimate can be based has not been identified, in all cases, except PTR, the working group suggests using an observer-based estimate. On vessels fishing PTR outside of pollock fisheries, however, observers were unable to

collect viability data. The quantity of halibut PSC in non-pollock PTR fisheries is small, and so we propose that these trips be grouped with pollock PTR (100% mortality) based on their operational similarities.

Rockfish Program CVs fishing NPT in the GOA have limited viabilities available from which to generate an estimate. As stated in **4.4.3**, we recommend basing RPP DMRs for NPT CVs on the DMR for GOA CPs fishing NPT gear. Additionally, as data become available, the DMR calculation for RPP NPT CVs will be based on sampled viability data.

#### **Should read**

#### Constraints on Estimation

Table 2 contains the proposed breakout of operational groupings as well as an indication of the number of individual halibut for which data were collected from 2009 to 2015. For much of the groundfish fleet, the average annual number of viabilities ranged from just under 500 (GOA CV HAL) to over 11 thousand (BSAI CV HAL). While a minimum number of halibut conditions on which a DMR estimate can be based has not been identified, in all cases, except PTR, the working group suggests using an observer-based estimate. On vessels fishing PTR outside of pollock fisheries, however, observers were unable to collect viability data. The quantity of halibut PSC in non-pollock PTR fisheries is small, and so we propose that these trips be grouped with pollock PTR (100% mortality) based on their operational similarities.

Rockfish Program CVs fishing NPT in the GOA are difficult to unambiguously identify in the viability datasets. As stated in 4.4.3, we recommend basing RPP DMRs for NPT CVs on the status quo until direct estimates are possible. Additionally, as data become available, the DMR calculation for RPP NPT CVs will be based on sampled viability data.

Additionally, Tables 2, 8, 9, and 12 are modified as follows:

## **ORIGINAL:**

Table 1. Halibut DMR operational groups, sample sizes, and working group decision on whether to estimate DMRs or assign 100% DMRs.

	Operation				
Sector	Region	Gear	Target	Sample Size (Mean Annual N <sub>Viabilities</sub> )	Estimate DMR?
		PTR	pollock	6,562	N (100%)
		PIK	non-pollock	1	N (100%)
	BSAI	NPT	all	3,625	Υ
		HAL	all	11,210	Υ
СР		POT	all	760 <sup>b</sup>	Υ
CP		PTR	pollock	0	N (100%)
		PIK	non-pollock	0	N (100%)
	GOA	NPT	all	546	Υ
		HAL	all	1,295	Υ
		POT	all	547 <sup>c</sup>	Υ
		PTR	pollock	569	N (100%)
		PIN	non-pollock	14	N (100%)
	BSAI	NPT	all	2,138	Υ
		HAL	all	62 <sup>d</sup>	Υ
		POT	all	760 <sup>b</sup>	Υ
CV		PTR	pollock	2	N (100%)
		PIK	non-pollock	4	N (100%)
	GOA	NPT	RPP	0	N (85%) <sup>e</sup>
	GUA	INFI	non-RPP	1,477	Υ
		HAL	all	490	Υ
		POT	all	547 <sup>c</sup>	Υ

<sup>&</sup>lt;sup>a</sup> GOA CP NPT RPP and non-RPP pooled <sup>b</sup> CV, CP pots in same group by design

<sup>&</sup>lt;sup>c</sup> CV, CP in same group by design

<sup>&</sup>lt;sup>d</sup> Most vessels not required to have observer coverage prior to 2013 <sup>e</sup> GOA CV NPT RPP placed in same group as GOA CP NPT

Table 2. Halibut DMR operational groups, sample sizes, and working group decision on whether to estimate DMRs or assign 100% DMRs.

	Operation	i			
Sector	Region	Gear	Target	Sample Size (Mean Annual N <sub>Viabilities</sub> )	Estimate DMR?
		PTR	pollock	6,562	N (100%)
		PIK	non-pollock	1	N (100%)
	BSAI	NPT	all	3,625	Υ
		HAL	all	11,210	Υ
CD		POT	all	760 <sup>b</sup>	Υ
СР		PTR	pollock	0	N (100%)
		PIK	non-pollock	0	N (100%)
	GOA	$NPT^a$	all	546	Υ
		HAL	all	1,295	Υ
		POT	all	547 <sup>c</sup>	Υ
		PTR	pollock	569	N (100%)
		FIN	non-pollock	14	N (100%)
	BSAI	NPT	all	2,138	Υ
		HAL	all	62 <sup>d</sup>	Υ
		POT	all	760 <sup>b</sup>	Υ
CV		PTR	pollock	2	N (100%)
		PIK	non-pollock	4	N (100%)
	GOA	NPT	RPP	0	N (66%) <sup>e</sup>
	GUA	INI	non-RPP	1,477	Υ
		HAL	all	490	Υ
		POT	all	547 <sup>c</sup>	Υ

<sup>&</sup>lt;sup>a</sup> GOA CP NPT RPP and non-RPP pooled <sup>b</sup> CV, CP pots in same group by design

<sup>&</sup>lt;sup>c</sup> CV, CP in same group by design

d Most vessels not required to have observer coverage prior to 2013 GOA CV NPT RPP using status quo DMR until estimation is possible

## **ORIGINAL:**

Table 3. Estimated Pacific halibut mortalities for the GOA in 2015, under the DMRs calculated using current methods (current) as well as the proposed alternative methods (new).

				Cui	rent			N	ew	Difference	
			Halibut		Halibut				Halibut	<b>Current minus</b>	
Gear	Sector	Program	PSC	DMR	mortality	Target	L	DMR	mortality	New	PSC limit
HAL	CV	OA	1,262	0.11	139	Pacific cod	L	0.12	151	(13)	145
PTR	CV	RPP	0	0.60	0	Bottom pollock		1.00	0	(0)	
PTR	CV	RPP	5	0.66	3	Rockfish	Ļ	1.00	5	(2)	
NPT	CV	RPP	0	0.60		Bottom pollock	ļ	0.85	0	(0)	
NPT	CV	RPP	22	0.62		Pacific cod	ļ	0.85	19	(5)	
NPT	CV	RPP	30	0.66		Rockfish	-	0.85	25	(6)	
NPT	CV	RPP	3	0.71	2	Shallow water flatfish	-	0.85	3	(0)	
DTD	CV	OA	6	0.60	4	Bottom pollock	-	1.00	- 6	-	
PTR	CV	OA	1	0.60				1.00	1	(0)	
PTR				0.62	1	Pacific cod		1.00		(0)	
PTR	CV	OA	7	0.71	5	Pelagic pollock	-	1.00	7	(2)	
NPT	CV	OA	150	0.60	90	Bottom pollock	-	0.63	95	(5)	
NPT	CV	OA	757	0.62	469	Pacific cod	}	0.63	477	(8)	
NPT	cv	OA	99	0.67		Shallow water flatfish	ŀ	0.63	62	4	
NPT	CV	OA	0	0.66	0	Rockfish	ľ	0.63	0	0	
NPT	CV	OA	3	0.71	2	Pelagic pollock	ľ	0.63	2	0	
NPT	CV	OA	-	0.71	-	Shallow water flatfish	ľ	0.63			
NPT	CV	OA	488	0.73	356		ľ	0.63	307	49	
NPT	CV	OA	8	0.69	5	Rex sole	Ī	0.63	5	0	
							Ī				
HAL	СР	OA	628	0.11	69	Pacific cod	Ī	0.11	69	-	
HAL	СР	OA	0	0.11	0	Other species	Ī	0.11	0	-	116
						·	Ī			-	
NPT	СР	OA	0	0.60	0	Bottom pollock	Ī	0.85	0	(0)	
NPT	СР	OA	1	0.62	1	Pacific cod		0.85	1	(0)	
NPT	СР	OA	-	0.43	-	Deep water flatfish		0.85	-	-	
NPT	СР	OA	62	0.67	41	Shallow water flatfish		0.85	53	(11)	
NPT	СР	OA	46	0.66	30	Rockfish		0.85	39		
NPT	СР	OA	4	0.65	2	Flathead sole		0.85	3	(1)	
NPT	СР	OA	0	0.71	0	Sablefish		0.85	0	(0)	
NPT	СР	OA	306	0.73	223	Arrowtooth flounder		0.85	260	(37)	
NPT	СР	OA	35	0.69	24	Rex sole	Ĺ	0.85	30	(6)	
NPT	СР	RPP	77	0.66	51	Rockfish	L	0.85	65	(15)	
NPT	СР	RPP	3	0.73	2	Arrowtooth flounder		0.85	3	(0)	
PTR	СР	OA	-	0.66	-	Rockfish		1.00	-	-	
Total			4,002		1,620				1,688	(67)	2,021
Summar	•			1		Τ		1			
	d-line CV		1,262		139				151	(13)	145
Hook-and	d-line CP		628		69				69	-	116
Trawl			2,112		1,413				1,467	(55)	1,759
Total			4,002		1,620				1,688	(67)	2,020

Table 4. Estimated Pacific halibut mortalities for the **GOA** in **2015**, under the DMRs calculated using current methods (current) as well as the proposed alternative methods (new).

2015 Gu	If of Alasi	ka Halibut	Mortalit	y using pr	roposed DN	1Rs (as of August 30, 20:	16)				
					rrent	,		N	lew	Difference	
			Halibut		Halibut				Halibut	Current minus	
Gear	Sector	Program	PSC	DMR	mortality	Target	ш	DMR	mortality	New	PSC limit
HAL	CV	OA	1,262	0.11		Pacific cod	1 1	0.12	151	(13)	145
PTR	CV	RPP	0	0.60	0	Bottom pollock		1.00	0	(0)	
PTR	CV	RPP	5	0.66		Rockfish	1	1.00	5	(2)	
NPT	CV	RPP	0	0.60	0	Bottom pollock		0.66	0	(0)	
NPT	CV	RPP	22	0.62	14	Pacific cod		0.66	14	(1)	
NPT	CV	RPP	30	0.66	20	Rockfish		0.66	20	-	
NPT	CV	RPP	3	0.71	2	Shallow water flatfish		0.66	2	0	
							] [		•	-	
PTR	CV	OA	6	0.60	4	Bottom pollock		1.00	6		
PTR	CV	OA	1	0.62	1	Pacific cod		1.00	1	(0)	
PTR	CV	OA	7	0.71	5	Pelagic pollock		1.00	7	(2)	
									-	-	
NPT	CV	OA	150	0.60	90	Bottom pollock		0.63	95	(5)	
NPT	CV	OA	757	0.62	469	Pacific cod		0.63	477	(8)	
NPT	CV	OA	99	0.67	66	Shallow water flatfish		0.63	62	4	
NPT	CV	OA	0	0.66	0	Rockfish	] [	0.63	0	0	
NPT	CV	OA	3	0.71	2	Pelagic pollock		0.63	2	0	
NPT	CV	OA	-	0.71	-	Shallow water flatfish		0.63	-		
NPT	CV	OA	488	0.73	356	Arrowtooth flounder		0.63	307	49	
NPT	CV	OA	8	0.69	5	Rex sole		0.63	5	0	
HAL	СР	OA	628	0.11	69	Pacific cod		0.11	69	-	
HAL	СР	OA	0	0.11	0	Other species		0.11	0	-	116
										-	
NPT	СР	OA	0	0.60	0	Bottom pollock	] [	0.85	0	(0)	
NPT	СР	OA	1	0.62	1	Pacific cod	] [	0.85	1	(0)	
NPT	СР	OA	-	0.43	-	Deep water flatfish		0.85	-	-	
NPT	СР	OA	62	0.67	41	Shallow water flatfish		0.85	53	(11)	
NPT	СР	OA	46	0.66	30	Rockfish		0.85	39		
NPT	СР	OA	4	0.65	2	Flathead sole		0.85	3	(1)	
NPT	СР	OA	0	0.71	0	Sablefish	] [	0.85	0	(0)	
NPT	СР	OA	306	0.73	223	Arrowtooth flounder	] [	0.85	260	(37)	
NPT	СР	OA	35	0.69	24	Rex sole	] [	0.85	30	(6)	
NPT	СР	RPP	77	0.66	51	Rockfish	] [	0.85	65	(15)	
NPT	СР	RPP	3	0.73	2	Arrowtooth flounder	] [	0.85	3	(0)	
							] [				
PTR	СР	OA	-	0.66	-	Rockfish	] [	1.00	-	-	
Total			4,002		1,620		] [		1,677	(57)	2,021
Summar	У										
Hook-an	d-line CV		1,262		139				151	(13)	145
Hook-an	d-line CP		628		69				69	-	116
Trawl			2,112		1,413				1,457	(44)	1,759
Total			4,002		1,620				1,677	(57)	2,020

## **ORIGINAL:**

Table 5. Estimated Pacific halibut mortalities for the GOA in 2016, under the DMRs calculated using current methods (current) as well as the proposed alternative methods (new).

				Cui	rrent		N	lew	Difference	
			Halibut		Halibut			Halibut	Current minus	
Gear	Sector	Program	PSC	DMR	mortality	Target	DMR	mortality	New	PSC limit
HAL	CV	OA	1,509	0.10	151	Pacific cod	0.12	181	(30)	129
NPT	CV	RPP	35	0.65	23	Rockfish	0.85	29	(7)	
NPT	CV	RPP	6	0.59	4	Sablefish	0.85	6	(2)	
PTR	CV	RPP	1	0.65	0	Rockfish	1.00	1	(0)	
PTR	CV	OA	2	0.58	1	Bollom pollock	1.00	2	(1)	
PTR	CV	OA	1	0.66		Shallow water flatfish	1.00	1	(0)	
PTR	CV	OA	1	0.65	0	Pelagic pollock	1.00	1	(0)	
NPT	CV	OA	56	0.58	33	Bollom pollock	0.63	35	(3)	
NPT	CV	OA	537	0.62	333	Pacific cod	0.63	338	(5)	
NPT	CV	OA	51	0.66	34	Shallow water flatfish	0.63	32	2	
NPT	CV	OA	10	0.67	6	Flathead sole	0.63	6	0	
NPT	CV	OA	-	0.62	-	Other species	0.63	-	-	
NPT	CV	OA	0	0.65	0	Pelagic pollock	0.63	0	0	
NPT	CV	OA	550	0.76	418	Arrowtooth flounder	0.63	347	72	
NPT	CV	OA	18	0.72	13	Rex sole	0.63	11	2	
HAL	CP	OA	459	0.10	46	Pacific cod	0.11	50	(5)	128
NPT	CP	OA	3	0.62	2	Pacific cod	0.85	3	(1)	
NPT	CP	OA	26	0.66	17	Shallow water flatfish	0.85	22	(5)	
NPT	CP	OA	24	0.65	15	Rockfish	0.85	20	(5)	
NPT	CP	OA	2	0.67	1	Flathead sole	0.85	1	(0)	
NPT	СР	OA	139	0.76	105	Arrowtooth flounder	0.85	118	(12)	
NPT	CP	OA	2	0.72	1	Rex sole	0.85	1	(0)	
NPT	CP	RPP	56	0.65	37	Rockfish	0.85	48	(11)	
NPT	CP	RPP	2	0.76	2	Arrowtooth flounder	0.85	2	(0)	
PTR	CP	OA	-	0.65	-	Rockfish	1.00	-	-	
Total			3,490		1,243			1,256	(13)	1,706
Summar	у									_
Hook-and	d-line CV		1,509		151			181	(30)	129
Hook-and	d-line CP		459		46			50	(5)	128
Trawl			1,521		1,047			1,025	22	1,706
Total			3,490		1,243			1,256	(13)	1,963

Table 6. Estimated Pacific halibut mortalities for the GOA in 2016, under the DMRs calculated using current methods (current) as well as the proposed alternative methods (new).

2016 Gu	lf of Alasi	ka Halibut	Mortality	y using pr	oposed DN	MRs (as of August 30, 201	16)				
				Cui	rrent			N	lew	Difference	
			Halibut		Halibut				Halibut	Current minus	
Gear	Sector	Program	PSC	DMR	mortality	Target		DMR	mortality	New	PSC limit
HAL	CV	OA	1,509	0.10	151	Pacific cod		0.12	181	(30)	129
NPT	CV	RPP	35	0.65	23	Rockfish		0.66	23	(0)	
NPT	CV	RPP	6	0.59	4	Sablefish		0.66	4	(0)	
PTR	CV	RPP	1	0.65	0	Rockfish		1.00	1	(0)	
PTR	CV	OA	2	0.58	1	Bollom pollock		1.00	2	(1)	
PTR	CV	OA	1	0.66	0	Shallow water flatfish		1.00	1	(0)	
PTR	CV	OA	1	0.65	0	Pelagic pollock		1.00	1	(0)	
NPT	CV	OA	56	0.58	33	Bollom pollock		0.63	35	(3)	
NPT	CV	OA	537	0.62	333	Pacific cod		0.63	338	(5)	
NPT	CV	OA	51	0.66	34	Shallow water flatfish		0.63	32	2	
NPT	CV	OA	10	0.67	6	Flathead sole		0.63	6	0	
NPT	CV	OA	-	0.62	-	Other species		0.63	-	-	
NPT	CV	OA	0	0.65		Pelagic pollock		0.63	0	0	
NPT	CV	OA	550	0.76	418	Arrowtooth flounder		0.63	347	72	
NPT	CV	OA	18	0.72	13	Rex sole		0.63	11	2	
HAL	СР	OA	459	0.10	46	Pacific cod		0.11	50	(5)	128
NPT	СР	OA	3	0.62		Pacific cod		0.85	3	(1)	
NPT	СР	OA	26	0.66		Shallow water flatfish		0.85	22	(5)	
NPT	СР	OA	24	0.65		Rockfish	1	0.85	20	(5)	
NPT	СР	OA	2	0.67		Flathead sole	_	0.85	1	(0)	
NPT	СР	OA	139	0.76		Arrowtooth flounder	4	0.85	118	(12)	
NPT	CP	OA	2	0.72		Rex sole	4	0.85	1	(0)	
NPT	СР	RPP	56	0.65		Rockfish	_	0.85	48	(11)	
NPT	СР	RPP	2	0.76	2	Arrowtooth flounder	1	0.85	2	(0)	
							4				
PTR	CP	OA	-	0.65	-	Rockfish	1	1.00	-	-	
Total			3,490		1,243				1,249	(5)	1,706
Summar	•		-	1		T	1				
	d-line CV		1,509		151		4		181	(30)	129
Hook-an	d-line CP		459		46		4		50	(5)	128
Trawl			1,521		1,047		4		1,017	30	1,706
Total			3,490		1,243				1,249	(5)	1,963

#### **ORIGINAL:**

Table 7. Estimated Pacific halibut mortalities for the GOA and BSAI in 2015 and 2016, under the current and proposed DMRs compared to specified PSC limits.

## **BSAI**

		20	16 Halibut	mortality		20	15 Halibut n	nortality	
		With	With		2016	With	With	Current	
		current	proposed	Current minus	Halibut PSC	current	proposed	minus	2015 Halibut
BSAI Sector		DMR	DMR	Proposed	Limit	DMR	DMR	Proposed	PSC Limit
	CV	0	0	(0)	13	2	2	(1)	15
Hook-and-line Pacific cod	СР	134	119	-	648	289	257	32	760
Non-trawl	CV/CP	2	1	0	49	3	2	1	58
BSAI trawl limited access	CV/CP	537	502	35	745	485	453	32	875
Amendment 80	СР	918	934	(16)	1,745	1,404	1,461	(57)	2,325
CDQ	CV/CP	110	107	3	315	130	124	6	393
Total		1,701	1,663	38	3,515	2,312	2,299	13	4,426
Does not include the 2016 trav	wI deck s	orting Exp	erimental Fis	shing Permit (EFP	) halibut morte	ality.			

## GOA

		20	16 Halibut	mortality		20	15 Halibut n	nortality	
		With	With		2016	With	With	Current	
		current	proposed	Current minus	Halibut PSC	current	proposed	minus	2015 Halibut
GOA Sector		DMR	DMR	Proposed	Limit	DMR	DMR	Proposed	PSC Limit
	CV	151	181	(30)	129	139	151	(12)	145
Hook-and-line Pacific cod	СР	46	50	(4)	128	69	69	0	116
Trawl	CV/CP	1,047	1,025	22	1,706	1,413	1,467	(54)	1,760
Total		1,243	1,256	(13)	1,963	1,620	1,687	(67)	2,021

Does not include the 2015 Amendment 80 deck sorting EFP halibut mortality of 232 mt.

Table 8. Estimated Pacific halibut mortalities for the GOA and BSAI in 2015 and 2016, under the current and proposed DMRs compared to specified PSC limits.

## **BSAI**

		20	16 Halibut	mortality		20	15 Halibut n	nortality	
		With	With		2016	With	With	Current	
		current	proposed	Current minus	Halibut PSC	current	proposed	minus	2015 Halibut
BSAI Sector		DMR	DMR	Proposed	Limit	DMR	DMR	Proposed	PSC Limit
	CV	0	0	(0)	13	2	2	(1)	15
Hook-and-line Pacific cod	СР	134	119	•	648	289	257	32	760
Non-trawl	CV/CP	2	1	0	49	3	2	1	58
BSAI trawl limited access	CV/CP	537	502	35	745	485	453	32	875
Amendment 80	СР	918	934	(16)	1,745	1,404	1,461	(57)	2,325
CDQ	CV/CP	110	107	3	315	130	124	6	393
Total		1,701	1,663	38	3,515	2,312	2,299	13	4,426
Does not include the 2016 trav	vI deck s	orting Exp	erimental Fis	shing Permit (EFP	) halibut morto	ality.			
Does not include the 2015 Am	endmen	t 80 deck s	orting EFP ho	alibut mortality of	f 232 mt.				

# GOA

		20	16 Halibut	mortality		20	15 Halibut n	nortality	
		With	With		2016	With	With	Current	
		current	proposed	Current minus	Halibut PSC	current	proposed	minus	2015 Halibut
GOA Sector		DMR	DMR	Proposed	Limit	DMR	DMR	Proposed	PSC Limit
	CV	151	181	(30)	129	139	151	(12)	145
Hook-and-line Pacific cod	СР	46	50	(4)	128	69	69	0	116
Trawl	CV/CP	1,047	1,017	30	1,706	1,413	1,457	(44)	1,760
Total		1,243	1,249	(5)	1,963	1,620	1,677	(57)	2,021