February 2018

Programmatic Groundfish Management Policy Annual Review

Action

• Review:

- Programmatic Groundfish Management Policy
- Council actions relative to the Policy as conveyed in the Programmatic Workplan

Consider:

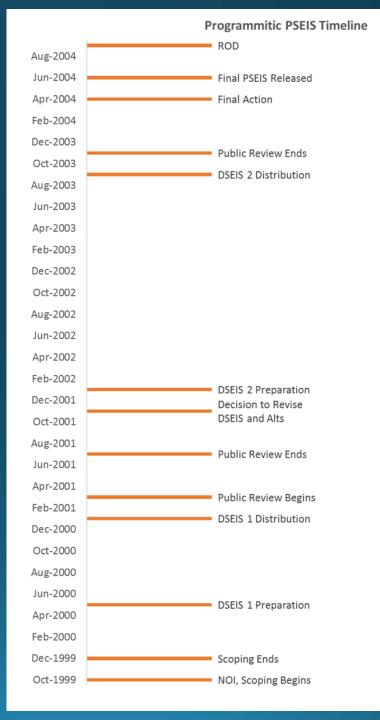
- Recommending modifications to the Management Objectives (noting this requires an FMP amendment)
- Recommending additional Council actions to better fulfill the Management Policy

Background

- GOA and BSAI EISs (1979, 1981)
- SEIS (1998)
 - Litigation
 - Federal "Action"
 - TAC setting → FMP
- 2004 PSEIS
 - Programmatic review
 - Alternatives
 - Bookends

2004 PSEIS

- Programmatic review
- Alternatives
 - A management approach statement that described the goals, rationale and assumptions behind the alternative;
 - A set of management objectives that complemented and further refined the goals set forth in the management approach; and,
 - Except for the No Action Alternative, a pair of example FMP "bookends" that illustrated and framed the range of implementing management measures under that alternative.



PSEIS Preferred Alternative (Policy)

Annual Review:

• "Adaptive management requires regular and periodic review. <u>Objectives</u> identified in this policy statement will be reviewed annually by the NPFMC. The NPFMC will also review, modify, eliminate, or consider new issues as appropriate to best carry out the goals and objectives of this management policy."

Continued Applicability of PSEIS

- Council can choose to supplement anytime
- Supplement needed if ...
 - new information is sufficient to show a proposed or remaining action will affect the quality of the human environment in a significant manner or to a significant extent not already considered

Duty to continually monitor

		ant Objectives		17			20:	18						
General Priority	Management Objectives	Pending Activity	F	Α.	J O	D	F	A J	О	D	Cı	ımulative l	Manag	ement Actions/Outcomes
	1 Adopt copo en ativo bon act	Ongoing - SAFE and Annual									FMP am	endments r	related	to this goal statement
	Adopt conservative harvest levels for multi-species and	specifications			•	•			•		105	BSAI	2014	Provided flexibility for flatfish
	single species fisheries and	2017 - Mgmt response to												specifications
4.5	specify optimum yield.	GOA Pcod			•	•					100/91	BSAI/GOA	2014	Included grenadiers in the Ecosystem Component category
1. Prevent Overfishing	2. Continue to use the										86/76	BSAI/GOA	2012	Restructured Observer Program to reduce statistical bias
(Maintain Sustainable Harvest)	optimum yield caps for the BSAI and GOA groundfish fisheries.	Ongoing - Annual specifications			•	•			•	•	95/87	BSAI/GOA	2010	Incorporated ACL requirements, Move "other species" to target category, Create Ecosystem Component category
	3. Provide for adaptive	O a salara A a a al									79	GOA	2008	OFL/ABC process for "other species"
	management by continuing to specify optimum yield as a	Ongoing - Annual specifications			•	•			•		69	GOA	2006	Established TAC process for "other species"
	range.										63	GOA	2004	Moved skates to target category
											48/48	BSAI/GOA	2004	Established current harvest specifications process

General Priority	Management Objectives	Recent, Current, Ongoing,		201				201			Cumulative Management Actions/Outcomes
Concrainment		Pending Activity	FA	J	0	D I	F 4	7 J	0	D	camatative management recions, cuttomes
	4. Provide for periodic reviews of the adequacy of F40 and adopt improvements, as appropriate.	Ongoing - AFSC responds to CIE reviews as part of specs process	•	•	•		•	•	•		Regulatory amendments related to this goal statement • Annual specifications for setting harvest levels Other management actions related to this goal statement
1. Prevent Overfishing (Maintain Sustainable Harvest)	5. Continue to improve the management of species through species categories.	2014 - Grenadiers to EC 2015 -Working paper on uncertainty in control rules tasked BSIERP MSE modeling underway 2017 - Squid to EC Ongoing – Spatial management policy guides species complex and subarea considerations	• •	•							 National Standard 1,3,7 Revisions, Guidelines revisions National Stock Assessment Prioritization Plan Regular Center for International Experts reviews for stock assessments and harvest strategies Ongoing work on accounting for uncertainty in control rules Council policy and ongoing discussion of spatial management for stocks

General Priority	Management Objectives	Recent, Current, Ongoing,		2	201	L7			20	018	3	Cumulative Management
General Priority	ivianagement Objectives	Pending Activity	F	Α	J	0	D	F	Α	J	OE	Actions/Outcomes
2. Promote Sustainable Fisheries and Communities	6. Promote conservation while providing for optimum yield in terms of the greatest overall benefit to the nation with particular reference to food production, and sustainable opportunities for recreational, subsistence, and commercial fishing participants and fishing communities. 7. Promote management measures that, while meeting conservation objectives, are also designed to avoid significant disruption of existing social and economic structures.	These considerations are applied to all management actions.	•	•	•	•	•	•	•	•		These considerations are applied to all management actions.
	8. Promote fair and equitable allocation of identified available resources in a manner such that no particular sector, group or entity acquires an excessive share of the privileges.											
	9. Promote increased safety at sea.	USCG Reports NIOSH Reports	•	•	•	•	•	•	•	•	•	

Pending Activity Ongoing - Ecosystem SAFEs, GOA/BSAI report cards 10. Develop indices of ecosystem health as targets In development – BS FEP	
for management. Secosystem fleatin as targets will include ecosystem indicators and triggers EFH 5 year Review Other management actions religions and triggers Other management actions religions and triggers	lated to this goal
Food Web Pending - Working paper on uncertainty in control rules 11. Improve the procedure to Pending - Working paper on uncertainty in control rules Into account during stock assess	nsiderations taken
Based Fishery Catch levels as necessary to Management Adjust acceptable biological Catch levels as necessary to the total le	
Approach) Approach) Approach ecosystem factors. Ongoing - BSIERP MSE modeling Ongoing - BSIERP MSE modeling annual ecosystem SAFE report Adoption of the Aleutian Islands Ecosystem Plan Development of a Bering Sea F	·
Ongoing - Herring PSC Imits specified annually Ongoing - Herring PSC Imits specified annually Ongoing - Herring PSC It is sp	nthesis reports for
through limits on harvest of forage species. Ongoing - Forage species included in Ecosystem SAFE ongoing - Forage species included in Ecosystem SAFE areas, and ongoing development Gulf of Alaska • Adoption, as Council policy, of a vision statement	of report for the

General Priority	Management Objectives	Recent, Current, Ongoing, Pending Activity	F		017 J		D I	 201 A J	-	D	Cumul	ative Mana	gement	: Actions/Outcomes
		Ongoing - Herring PSC									FMP ame	endments rela	ated to tl	nis goal statement
	12. Continue to protect the integrity of the food web through limits on harvest of	limits specified annually Ongoing - Forage species								•	Pending	BSAI/GOA	2018	Moved squid the Ecosystem Component category
2 Dragonico	forage species.	included in Ecosystem SAFE					1				100/91	BSAI/GOA	2014	Included grenadiers in the Ecosystem Component category
3. Preserve Food Web		2014 – Ecosystem Vision												Component category
(Ecosystem		Statement Ongoing - BS FEP						•	•		81/74	BSAI/GOA	2004	Groundfish Mgmt Policy incorporated into FMPs
Based Fishery Management Approach)	13. Incorporate ecosystem- based considerations into	Ongoing - Ecosystem SAFE					•			•				
	fishery management decisions, as appropriate.	Ongoing - USFWS Reports	•	•	•	•	•	•	•	•				
		GOA Pcod Assessment response					•		•	•				
		Arctic exploratory fishing			•									

General Priority	Management Objectives	Recent, Current, Ongoing, Pending		20	17			201	.8		Cumulative Management Actions/Outcomes
General Priority	ivianagement Objectives	Activity	F	Α.	0	D	F /	/ J	0	D	Cumulative Management Actions/Outcomes
4. Manage Incidental Catch and Reduce Bycatch and Waste	14. Continue and improve current incidental catch and bycatch management program.	2013 - Restructured Obs. Program 2015 - Bycatch limits for BS Chinook revised 2016 - Redefinition of Observer Strata Ongoing - Halibut Management Framework Ongoing - Annual/OAC reports Ongoing - Review of Obs. ADP	•		•	•	•	•	•	•	Regulatory amendments related to this goal statement • Annual specifications for setting harvest levels • Standardized Bycath Reporting Methodology - Final Rule • LL2 endorsement modification
	15. Develop incentive programs for bycatch reduction including the development of mechanisms to facilitate the formation of bycatch pools, vessel bycatch allowances, or other bycatch incentive systems.	Ongoing - Halibut Management Framework Ongoing - Halibut deck sorting EFP	•			•					 Other management actions related to this goal statement Regular Center for International Experts reviews for stock assessments and harvest strategies Ongoing work on accounting for uncertainty in control rules Council policy and ongoing discussion of spatial management for stocks

General Priority	Management Objectives	Recent, Current, Ongoing, Pending Activity	2017 F A J O D	2018 F A J O D	Cumulative Management Actions/Outcomes
4. Manage Incidental Catch and	16. Encourage research programs to evaluate current population estimates for nontarget species with a view to setting appropriate bycatch limits, as information becomes available.	Ongoing - Salmon genetics work Ongoing - Included in research priorities Ongoing - Use of Three River Index Ongoing - Forage fish included in Ecosystem SAFE Ongoing - Halibut Management Framework			Regulatory amendments related to this goal statement
Reduce Bycatch and Waste	17. Continue program to reduce discards by developing management measures that encourage the use of gear and fishing techniques that reduce bycatch which includes economic discards.	2010 - Partially addressed by arrowtooth MRA analyses for BSAI Ongoing - Halibut management framework Ongoing - Partially addressed in rockfish program Ongoing - Partially addressed in Council's Spatial Mgmt Policy		• • • • •	 Annual specifications for setting harvest levels Standardized Bycath Reporting Methodology - Final Rule LL2 endorsement modification Other management actions related to this goal statement Regular Center for International Experts reviews for stock assessments and harvest strategies Ongoing work on accounting for uncertainty in control rules Council policy and ongoing discussion of spatial management for stocks

General Priority	Management Objectives	Recent, Current, Ongoing, Pending		20		\dashv		201			Cumulative Management Actions/Outcomes
,		Activity	F	Α) O	D	F /	A J	0	D	8
	18. Continue to manage incidental catch and bycatch through seasonal distribution of total allowable catch and geographical gear restrictions.	2010 - Kodiak Tanner crab protections Ongoing – Halibut Management Framework	•	•	•	•	•	• •	•	•	
4. Manage Incidental Catch and Reduce	19. Continue to account for bycatch mortality in total allowable catch accounting and improve the accuracy of mortality assessments for target, prohibited species catch, and noncommercial species.	2013 - Restructured Obs. Program Ongoing – Halibut Management Framework Ongoing – Review of Obs. ADP Ongoing - Revised Halibut DMR calculations	•	•	•	•	•	•	•	•	
Bycatch and Waste (cont'd)	20. Control the bycatch of prohibited species through prohibited species catch limits or other appropriate measures.	2010 - Kodiak Tanner crab protections 2011, 2013 - GOA Chinook PSC limits 2012 - GOA halibut PSC limit reduction 2014 - Template for BSAI crab bycatch limits initiated 2015 - Partially addressed in BS salmon bycatch analyses Ongoing - PSC limits for BS Chinook Ongoing - Halibut ABM				•					Regulatory amendments related to this goal statement

General Priority	Management Objectives	Recent, Current, Ongoing, Pending	L		17			2018		c	umulative	Manag	ement Actions/Outcomes
•		Activity	F	Α	10	DI	r A	116	ט כ				-
		2016 - Longline pot gear for sablefish								FMP amen	dments rela	ted to th	is goal statement
4. Manage Incidental		Ongoing – Halibut Management Framework	•	•	•	•	•	•	•	114/104	BSAI/GOA	2017	Integrate electronic monitoring into the North Pacific Observer Program
Catch and		Ongoing - bycatch management	•	•	•		•			112/102	BSAI/GOA	2016	Small CPs added to partial selection
Reduce	21. Reduce waste to biologically	through PSC limits and other actions	L							111	BSAI	2016	Reduced PSC limits for halibut
Bycatch and Waste	and socially acceptable levels.	Pending - halibut retention in sablefish pots (BSAI)			•		•			110	BSAI	2016	Established Chinook and chum salmon PSC avoidance measures
(contid)		WCCA to man and motto man of holibut	Ш							101	GOA	2016	Longline pot gear for sablefish
(cont'd)		WGOA temporal patterns of halibut and Chinook PSC								79	BSAI	2014	Established groundfish retention standard
		2017 - Stranded Pcod discussion paper				•		•		84/91	BSAI/GOA	2014	Established Bering Sea Chinook salmon bycatch restrictions
										94/89	BSAI/GOA	2012	Established trawl sweep elevation requirement in the flatfish fisheries
										89	GOA	2010	Established GOA area closures to reduce tanner crab bycatch
										93/97	BSAI/GOA	2008	Established PSC limits for Chinook salmon in the GOA trawl pollock and non-pollock fisheries
										95	GOA	2006	Reduced PSC limits for GOA halibut
										86/76	BSAI/GOA	2004	Restructured observer program to reduce statistical bias

Prohibited Pacific cod fishing in Pribilof Islands Habitat Conservation Zone

103

BSAI

General Priority	Management Objectives	Recent, Current, Ongoing, Pending		20	17			20	18			Cumula	stive N	Management Actions/Outcomes				
General Priority	ivialiagement Objectives	Activity	F/	Α.	0	D	F	A J	0	D		Culliula	itive iv	danagement Actions/Outcomes				
											FMP a	mendments	relate	d to this goal statement				
	22. Continue to cooperate with U.S.	2008 - Avoidance measures in area 4E									107	BSAI	2014	Walrus protection and transit corridors around Round Island and Cape Pierce				
	Fish and Wildlife Service (USFWS) to protect ESA-listed species, and if appropriate and practicable, other seabird species.	2015 - Re-consultation for short-tailed albatross Ongoing USFWS Report at every Council meeting	•	•	•	•	•	•	•	•	20/25	BSAI/GOA	1991	 year-round trawl closures in the GOA and BSAI area within 10 nm of key Steller sea lion rookeries; new GOA pollock management districts, limitation on pollock seasonal harvest allowances specified for these districts. 				
5. Reduce and Avoid Impacts	23. Maintain or adjust current protection measures as appropriate to avoid jeopardy of extinction or adverse modification to critical habitat for ESA-listed Steller sea lions.	2011 - SSL BiOp 2014 - Updated SSL BiOp Ongoing - SSL EIS regs in place Pending - SSL Critical Habitat proposed rule	•	•	•	•	•	•	•	•								
to Seabirds and Marine Mammals	24. Encourage programs to review	Ongoing - Monitoring through the Protected Species Report	•						•	•								
	status of endangered or threatened marine mammal stocks and fishing interactions and develop fishery management measures as appropriate.	Request for NMFS to update Conservation Plan for Northern Fur Seals Marine mammal status update to SSC			•		•				Regulatory amendments related to this goal stater Revisions to seabird avoidance measures, including Revisions to Steller sea lion closures for pollock and fisheries in the GOA Revisions to Steller sea lion protection measures for mackerel, Pacific cod, and pollock fisheries in the Aleu Designation of critical habitat for Cook Inlet beluga wi							
	25. Continue to cooperate with NMFS and USFWS to protect ESA-listed marine mammal species, and if appropriate and practicable, other marine mammal species.	Ongoing - Monitoring through the Protected Species Report	•	•	•	•	•	•	•	•	ESAmarinCoumonitRec	A consultat ne mamma uncil receiv coring issue	ions or s es prot s with on of S	ctions related to this goal statement in fishery impacts on listed seabirds and sected species report at each meeting, seabirds and marine mammals teller sea lion closures in 2014 biological				

General Priority	Management Objectives	Recent, Current, Ongoing, Pending		201				018		Cumulative	Manage	ement Actions/Outcomes
General Priority	ivianagement Objectives	Activity	F	A J	0	D F	Α	J O D	,	Cumulative	ivialiage	ement Actions/Outcomes
		2012 - Council's EFH Consultation							FMP amei	ndments rel	ated to	this goal statement
		Policy							104	BSAI	2015	Designated skate nurseries in
	26. Review and evaluate efficacy of	2014 - Partially addressed in crab							104	DOAI	2015	Bering Sea as HAPC
	existing habitat protection	bycatch limits disc. Paper										Updated EFH information with
	measures for managed species.	3,200							98/90	BSAI/GOA	2012	findings from the 2010 EFH 5-
		2017 - EFH 5 year review, fishing	,	•								year review
		effects model										Established trawl sweep
									94/89	BSAI/GOA	2010	elevation requirement in the
												flatfish fisheries
		2011 - HAPC cycle changed to 5 years										Established Bering Sea Habitat
6. Reduce and									89	BSAI	2008	Conservation area closures for
Avoid Impacts	27. Identify and designate essential fish habitat and habitat areas of	2012 - NBSRA plan halted								1		non-pelagic trawling
to Habitat									78/73	DCA1/COA		HAPCand EFH amendments, and
toriabitat		2013 - HAPC skate nurseries adopted							65/65	BSAI/GOA	2006	associated fishery area closures
	particular concern pursuant to	2015 – Fishery impacts on Pribilof							03/03			in the GOA and Al
	Magnuson-Stevens Act rules, and mitigate fishery impacts as	corals										
	necessary and practicable to continue the sustainability of	2017 - EFH 5 year review and Omnibus		•								
	managed species.	Amds								_		
		Ongoing - Included in research priorities		•			•		_	•		elated to this goal statement ance measures, including in Area 4E
		Ongoing - BS/GOA flatfish trawl mods								ons to Steller in the GOA	sea lior	n closures for pollock and cod
											sea lior	n protection measures for Atka
												bllock fisheries in the Aleutian Islands

General Priority	Management Objectives	Recent, Current, Ongoing, Pending Activity		2017 \ J		F		18	J		Cumulative	Manage	ement Actions/Outcomes
	28. Develop a Marine Protected	Ongoing - Actions are developed	<u> </u>			1	^				ndments rel	ated to	this goal statement
	Area policy in coordination with national and state policies.		•		• •		• •	•	•	104	BSAI	2015	Designated skate nurseries in Bering Sea as HAPC
	29. Encourage development of a	Ongoing EFH 5-year reviews, including updates to fishing effects model and		•						98/90	BSAI/GOA	2012	Updated EFH information with findings from the 2010 EFH 5-year review
	research program to identify regional baseline habitat information and mapping, subject to	EFH descriptions Ongoing (related) Extensive mapping								94/89	BSAI/GOA	2010	Established trawl sweep elevation requirement in the flatfish fisheries
6. Reduce and Avoid Impacts to Habitat	funding and staff availability.	program through NMFS Habitat Division			•				•	89	BSAI	2008	Established Bering Sea Habitat Conservation area closures for
เบ กลมเลเ	30. Develop goals, objectives and criteria to evaluate the efficacy and									78/73	BSAI/GOA	2006	non-pelagic trawling HAPCand EFH amendments, and associated fishery area closures
	suitable design of marine protected areas and no-take marine reserves as tools to maintain abundance, diversity, and productivity. Implement marine protected areas if and where appropriate.	Ongoing - Addressed in purpose and need for individual actions	•	•	•	•	•	•	•	65/65			in the GOA and AI

General Priority	Management Objectives	Recent, Current, Ongoing, Pending			2017			2018			Cumulative Management Actions/Outcomes		
General Priority		Activity	F	Α	l C	D	F.	A J	0	D	Cumulative Management Actions/Outcomes		
7. Promote Equitable and Efficient Use of Fishery Resources	31. Provide economic and community stability to harvesting and processing sectors through fair allocation of fishery resources.	2010 - Central GOA Rockfish Pgm 2014 - Small boat CDQ Pcod 2015 - Longline pots for sablefish 2015 - Al Pcod shoreplant delivery requirement Ongoing - Halibut ABM Ongoing - Sector allocations: e.g., Pcod, flatfish, POP, Atka mackerel	•	•									
	32. Maintain the license limitation program, modified as necessary, and further decrease excess fishing capacity and overcapitalization by eliminating latent licenses and extending programs such as community or rights-based management to some or all groundfish fisheries.	2008 - Trawl LLP recency 2009 - GOA fixed gear latent licenses									Regulatory amendments related to this goal statement • Modify monitoring and reporting requirements for BSAI cod freezer longliners • BSAI fixed gear parallel fishery management measures • Minor revisions to AFA, CDQ, IFQ, Rockfish Programs • GOA pollock trip limits Other management actions related to this goal statement • Permit fee authorization (all FMPs)		

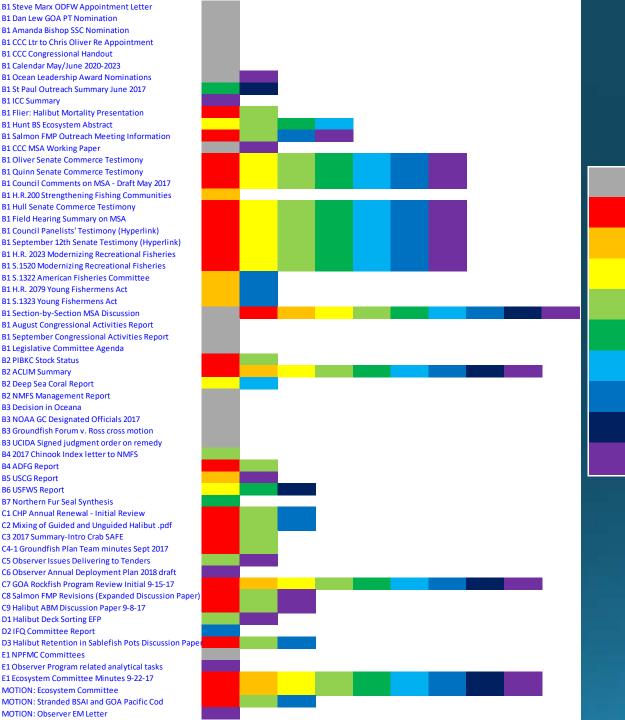
Conoral Priority	Managament Objectives	Recent, Current, Ongoing, Pending		20:				018		Cumulative Management Actions/Outcomes				
General Priority	Management Objectives	Activity	F	A J	0	D F	Α	l O	D			_		
	33. Provide for adaptive	Ongoing – Program reviews for AM80, AFA, Halibut-Sablefish IFQ	•	•				•	•	101	GOA	to this goal state	Allow use of longline pots for sablefish	
	management by periodically evaluating the effectiveness of	Pgm, others								109	BSAI	2016	Allow for a small boat CDQ Pacific cod fishery	
	rationalization programs and the allocation of access rights based on	Ongoing Co-op Reports	•	•	•	•	•	• •	•	113	BSAI	71116	Al Pcod catcher vessel fishery and shoreplant delivery requirement	
	performance.	2017 - Area 4 halibut IFQ leasing by CDQ groups		•)					106	BSAI		AFA vessel replacement	
		2008 - VMS exemption for dinglebars		+		H				102	BSAI	2014	Implement a CQE program for sablefish in the BSAI	
7. Promote Equitable and Efficient Use of		2008 - Trawl LLP recency in 2008								94,96	GOA	2013, 2014	Revisions to GOA CQE program entities, revise vessel use caps, allow purchase of small blocks	
Fishery	04.5	2009 - GOA fixed gear latent licenses								99	BSAI	2013	BSAI freezer longline maximum length overall adjustment	
Resources	34. Develop management measures that, when practicable, consider the efficient use of fishery resources taking into account the interest of harvesters, processors, and communities.	2009 - GOA Pcod sector allocations								85/83	BSAI/GOA	2011	Sector allocations for Pacific cod	
		2010 - GOA rockfish program								86	GOA	2010	Fixed gear endorsement in GOA	
		renewed								78,85,88	GOA	7009 7011	Rockfish Program revisions; new program authorized	
		2017 - WGOA pollock trip limits				•		•		80,90,93,97	BSAI	2007-2012	Vessel replacement and cooperative revisions	
		2017 - GOA Stranded Pcod				•		•		82,92 / 86	BSAI/GOA	2005-2010	Latent licenses rescinded	
		Ongoing - MRA adjustments	•	• •	•	•	•	• •	•				Revise the BSAI FMP description of the CV	
										62/62	BSAI/GOA		Operational Area and remove sunset date for inshore/offshore sector allocations of	
													pollock and Pacific cod in GOA	
										62	GOA	2009	IFQ B quota shareholders can fish on any size vessel	
										72	GOA	2008	IRIU rescinded in GOA for shallow water flatfish	
										80	BSAI		Sector allocations and cooperative formation for 3 flatfish species, POP, and Atka mackerel in BSAI	
										68	GOA	7000	Cooperative program for rockfish in central GOA	
										82	BSAI	2005	Al pollock to the Aleut Corporation	

General Priority	Management Objectives	Recent, Current, Ongoing, Pending Activity	F)17 J () [F	_	201 J	8 O	D	Cu	ımulat	tive M	lanagement Actions/Outcomes
	35. Continue to incorporate local and traditional knowledge in fishery management.	2007 - Al FEP Ongoing – BS FEP								•		113 109			Aleutian Islands Pacific cod catcher vessel fishery and shoreplant delivery requirement Allow for a small boat CDQ Pacific cod fishery
8. Increase Alaska Native & Community Consultation	lative & appropriate.	•	•	•	•	96 94		2014	Establish CQE program in Area 4B Revise the sablefish IFQ program to allow GOA CQEs to transfer and hold small blocks of sablefish quota shares Revise the vessel use caps applicable to sablefish quota share held by GOA CQEs						
	37. Increase Alaska Native participation and consultation in fishery management.	2017 - St Paul Island outreach Ongoing - continued outreach on BSAI salmon bycatch Ongoing - Council Outreach Committee meets periodically	•	•		•	•	•	•	•	•	• Col • Col • Col (curre • We	r man ment mmun ouncil i mmun	agem ity out in 2006 ity cor ocused	ent actions related to this goal reach and consultation policy adopted 8 mmittee helps prioritize outreach d on BSAI salmon analyses) gned to include a rural outreach

General Priority	Management Objectives	Recent, Current, Ongoing, Pending		201		Τ		18			Cumulative	Managei	ment Actions/Outcomes
General Priority	wanagement objectives	Activity	F /	A J	0 [F	Α) C	D		Camalative	Wanage	ment Actions, Outcomes
		2013 - ObsPgm Restructured 2013 - EM Strategic Plan								FMP amen	idments rela	ted to this	s goal statement
	38. Increase the utility of groundfish	2015 - Reg Amdts for coverage categories								114/104	BSAI/GOA	2017	Integrate electronic monitoring into the North Pacific Observer Program
	fishery observer data for the conservation and management of living marine resources.	2016 - Obs coverage on BSAI trawl CVs								112/102	BSAI/GOA	2016	Change observer coverage category exemptions for small catcher processors
9. Improve Data Quality,	J	2015 - EM Analysis Observer tendering (on hold)								86/76	BSAI/GOA	2012	Observer program restructuring
		Ongoing – Halibut Mgmt Framework	•	•	•	•	•	•	•	73/77	BSAI/GOA	2008	Remove dark rockfish from FMP, allow management by State of Alaska
Monitoring and		Ongoing - Annual Review and ADP	• •	• •	• •	•	•	• •	•				
Enforcement	39. Develop funding mechanisms that achieve equitable costs to the industry for implementation of the North Pacific Groundfish Observer Program.	2008/2010 - Restructuring adopted/approved											
		2013 - EM Strategic Plan approved									_		elated to this goal statement
		2015 - Reg Amendments for coverage categories								OngoingDiscuss	g work to im sion paper o	prove Cat n VMS us	er data through the deployment plan tch Accounting System e and requirements
		2015 - EM Analysis								monitoring	g. Pre-imple	mentation	g developed as a tool for catch n program approved for 2016. n through annual research priorities,
		Observer coverage on BSAI trawl CVs (on hold)		•	•	•		•		cooperate Council	es with North initiated and	n Pacific F d participa	Research Board Ites in Alaska Marine Ecosystem Other relationships with partner
		Ongoing - Annual Program Review and Deployment Plan	•	•	•	•		•		entities	s well as IIIa	iii itaii iirig (oulei relationships with partner

General Priority	Management Objectives	Recent, Current, Ongoing, Pending		2017			2018			Cumulative Management Actions/Outcomes	
General Priority	Management Objectives	Activity	F	Α	J	O	F	Α	J	O D	cumulative Management Actions, outcomes
9. Improve Data Quality,		2008 - Partially addressed in AM 80 2009 - Partially addressed in BS Chinook bycatch EIS Ongoing - EDRs, EDR requirement in GOA	•	•	•	•	•	•	•	• •	Other management actions related to this goal statement • Annual refinement of observer data through the deployment plan • Ongoing work to improve Catch Accounting System • Discussion paper on VMS use and requirements • Electronic monitoring is being developed as a tool for catch
Monitoring and Enforcement	41. Increase the quality of monitoring and enforcement data through improved technology.	2014 - Advanced features integrated in enforcement precepts Pending - Discussion paper on VMS/EM for vessels without VMS									monitoring. Pre-implementation program approved for 2016. Council encourages research through annual research priorities, cooperates with North Pacific Research Board Council initiated and participates in Alaska Marine Ecosystem Forum, as well as maintaining other relationships with partner entities

General Priority	Management Objectives	Recent, Current, Ongoing, Pending Activity	F	20: A J		р		201	8	D	Cumulative Management Actions/Outcomes
	42. Encourage a coordinated, long-term ecosystem monitoring program to collect baseline information and compile existing information from a variety of ongoing research initiatives, subject to funding and staff availability.	Ongoing – Research priorities Ongoing - Ecosystem SAFE		•	•			•	•		FMP amendments related to this goal statement Integrate electronic monitoring into the North Pacific Observer Program Change observer coverage 112/102 BSAI/GOA 2016 category exemptions for small
	43. Cooperate with research institutions such as the North Pacific Research Board in identifying research needs to address pressing fishery issues.	Ongoing – Research priorities		•				•			catcher processors 86/76 BSAI/GOA 2012 Observer program restructuring Remove dark rockfish from FMP, 73/77 BSAI/GOA 2008 allow management by State of
9. Improve Data Quality, Monitoring and Enforcement	44. Promote enhanced enforceability.	2015 Sablefish pot allowance Ongoing – Development of EM options Ongoing – Enforcement precepts, Enforcement committee activities				•				•	Alaska
(cont'd)	45. Continue to cooperate and coordinate management and enforcement programs with the Alaska Board of Fish, Alaska Department of Fish and Game, and Alaska Fish and Wildlife Protection, the U.S. Coast Guard, NMFS Enforcement, International Pacific Halibut Commission, Federal agencies, and other organizations to meet conservation requirements; promote economically healthy and sustainable fisheries and fishing communities; and maximize efficiencies in management and enforcement programs through continued consultation, coordination, and cooperation.	Ongoing - The Council maintains long history of cooperative management with all involved agencies and entities. The Council recognizes and works to achieve the shared goals of its many partners in stewardship of Alaska's fisheries and its supporting ecosystems. Besides those partners listed in Objective 45, the Council maintains effective working relationships with the North Pacific Fishery Commission, Arctic Council, Bering Sea Fishery Advisory Body, Bering Sea Elders, among others.	•	• •	•	•	• •	•	• •	•	Other management actions related to this goal statement Annual refinement of observer data through the deployment plan Ongoing work to improve Catch Accounting System Discussion paper on VMS use and requirements Electronic monitoring is being developed as a tool for catch monitoring. Pre-implementation program approved for 2016. Council encourages research through annual research priorities, cooperates with North Pacific Research Board Council initiated and participates in Alaska Marine Ecosystem Forum, as well as maintaining other relationships with partner entities



October 2017

Admin

Prevent Overfishing

Promote Sustainable Fisheries and Communities

Preserve Food Web

Manage Incidental Catch and Reduce Bycatch and Waste

Reduce and Avoid Impacts to Seabirds and Marine Mammals

Reduce and Avoid Impacts to Habitat

Promote Equitable and Efficient Use of Fishery Resources

Increase Alaska Native & Community Consultation

Improve Data Quality, Monitoring and Enforcement

Annual Review

- FMP mandate
 - Management Policy Objectives
- Optional
 - Council actions

Periodic Comprehensive Review

- Supplemental Information Report
 - 2012 2015
 - Triggers*
 - Determination

Council Actions Outside the Scope of the Groundfish FMPs



ACLIM: The Alaska Climate Integrated Modeling Project

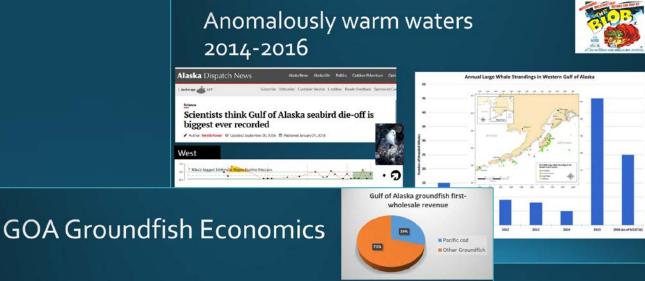
Kirstin Holsman & Stephen Kasperski

ACLIM Pls:

Anne Hollowed¹, Kirstin Holsman¹, Alan Haynie¹, Stephen Kasperski¹, Jim lanelli1, Kerim Aydin1, Wei Cheng2,3, Al Hermann^{2,3}, Trond Kristiansen⁴, Andre Punt⁵

- NOAA Fisheries, Alaska Fisheries Science Center
- NOAA Office of Oceanic and Atmospheric Research, Pacific
- Joint Institute for the Study of the Atmosphere and Ocean,
- Institute of Marine Research, Bergen Norway
- School of Aquatic and Fisheries Science, University of Washington





- The 2016 Gulf of Alaska groundfish fisheries generated \$354 million in firstwholesale revenue which represents 15% of the Alaska groundfish value and 30% of the value of all commercial fisheries in the GOA
- The GOA groundfish fisheries support jobs on over 650 vessels with approximately 23,000 crew weeks.
- The average annual first-wholesale revenue of P. cod over the past 10 years (2007-2016) is \$103 million.

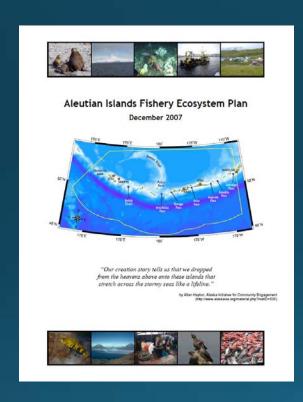
Economic analysis by Ben Fissel

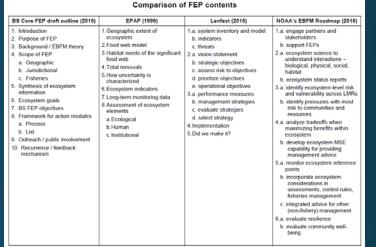
Council Actions Outside the Scope of the Groundfish FMPs Comparison of FED contents

AIFEP

• BSFEP

Arctic FMP







Action

• Review:

- Programmatic Groundfish Management Policy
- Council actions relative to the Policy as conveyed in the Programmatic Workplan

Consider:

- Recommending modifications to the Management Objectives (noting this requires an FMP amendment)
- Recommending additional Council actions to better fulfill the Management Policy