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 \rightarrow 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 <u>will be reviewed annually</u> 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

General Priority	Management Objectives	Recent, Current, Ongoing,)17				01			C	ımulative l	Manag	ement Actions/Outcomes
General Phoney		Pending Activity	F	Α	J	ם כ) F	A	J	0	D	C		Manag	
	4 Adapt constitut homest	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 specifications
1. Prevent	single species fisheries and specify optimum yield.	2017 - Mgmt response to GOA Pcod										100/91	BSAI/GOA	2014	Included grenadiers in the Ecosystem Component category
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	On a sin a channel										79	GOA	2008	OFL/ABC process for "other species"
	management by continuing to specify optimum yield as a range	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			_ 1)18		Cumulative Management Actions/Outcomes
	Ç .	Pending Activity	FA	J	0	D	F	A	JC	D	. .
	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	7		_	20	18		Cumulative Management
General Fridity	Wanagement Objectives	Pending Activity	F	Α	J	0	D	F	Α.	0	D	Actions/Outcomes
	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.											
2. Promote Sustainable Fisheries and 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	•	•	•	•	•	•	•	•	•	

General Priority	Management Objectives	Recent, Current, Ongoing, Pending Activity		20 \		D	F	201 A J	.8 0 1	D	Cumulative Management Actions/Outcomes
3. Preserve	10. Develop indices of ecosystem health as targets for management.	Ongoing - Ecosystem SAFEs, GOA/BSAI report cards In development – BS FEP will include ecosystem indicators and triggers EFH 5 year Review	•			•	•	• •	•		Other management actions related to this goal
Food Web (Ecosystem	11. Improve the procedure to	Pending - Working paper on uncertainty in control rules									 statement Uncertainty and ecosystem considerations taken into account during stock assessment and harvest
Based Fishery Management	adjust acceptable biological catch levels as necessary to account for uncertainty and	GOA Pcod Assessment response			•	•					specificationsEcosystem indices reported and assessed in
Approach)	ecosystem factors.	Ongoing - BSIERP MSE modeling	•		•	•	•				 annual ecosystem SAFE report Adoption of the Aleutian Islands Fishery Ecosystem Plan Development of a Bering Sea Fishery
	12. Continue to protect the	Ongoing - Herring PSC limits specified annually			•	•			•	•	 Development of ecosystem synthesis reports for the Bering Sea and the Aleutian Islands ecosystem
	integrity of the food web through limits on harvest of forage species.	Ongoing - Forage species included in Ecosystem SAFE			•	•				•	 areas, and ongoing development of report for the Gulf of Alaska Adoption, as Council policy, of an ecosystem vision statement

General Priority	Management Objectives	Recent, Current, Ongoing, Pending Activity	F		017 J		DI		201 \ J	-	D		Cumula	ative Mana	gement	t Actions/Outcomes
		Ongoing - Herring PSC											MP ame	ndments rel	ated to tl	his goal statement
	12. Continue to protect the integrity of the food web through limits on harvest of	limits specified annually Ongoing - Forage species											ending	BSAI/GOA	2018	Moved squid the Ecosystem Component category
	forage species.	included in Ecosystem SAFE										1	100/91	BSAI/GOA	2014	Included grenadiers in the Ecosystem
3. Preserve Food Web		2014 – Ecosystem Vision														Component category
(Ecosystem		Statement		•									81/74	BSAI/GOA	2004	Groundfish Mgmt Policy incorporated into FMPs
Based Fishery Management		Ongoing - BS FEP Ongoing – Ecosystem SAFE														·
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 Activity	F	20 A	 D	F /	20	 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				•			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.	Framework				•			 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 F	2018 A J O D	Cumulative Management Actions/Outcomes
4. Manage Incidental Catch and	16. Encourage research programs to evaluate current population estimates for non- target 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 Activity	F	20 A J		D		20: A J	18 0	D	Cumulative Management Actions/Outcomes
	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 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		201)18 J 0 I	-	C	umulative	Manag	ement Actions/Outcomes
		Activity 2016 - Longline pot gear for sablefish	F				A			FMP ameno	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 through PSC limits and other actions	•	• •	• •	•	•	• • •		112/102	BSAI/GOA	2016	Small CPs added to partial selection
Reduce	21. Reduce waste to biologically								Ī	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
										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
										103	BSAI	2004	Prohibited Pacific cod fishing in Pribilof Islands Habitat Conservation Zone

General Priority	Management Objectives	Recent, Current, Ongoing, Pending		201				201				Cumula	tivo N	lanagement Actions/Outcomes
General Phoney	Wanagement Objectives	Activity	FΑ	۱	0	D	F /	7 J	0	D		Cumule		andgement Actions/ outcomes
											FMP ar	nendments	relate	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			•		•				 Rev Rev fisher Rev mack 	risions to se risions to S ies in the G risions to S erel, Pacific	eabird teller s GOA teller s c cod, a	nts related to this goal statement avoidance measures, including in Area 4E ea lion closures for pollock and cod ea lion protection measures for Atka and pollock fisheries in the Aleutian Islands
							+	_				-		habitat for Cook Inlet beluga whale
	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	• •	•	•	•	•	•	•	•	• ESA marin • Cou monite • Rec	A consultati e mammal ıncil receive oring issue	ons on s es prot s with on of S	fishery impacts on listed seabirds and ected species report at each meeting, seabirds and marine mammals teller sea lion closures in 2014 biological

General Priority	Management Objectives	Recent, Current, Ongoing, Pending		20				2018			Cumulative	Manage	ement Actions/Outcomes
Ceneral monty		Activity	F	A J	0	DF	FA	J	0 0			manuge	
		2012 - Council's EFH Consultation								FMP amer	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											Bering Sea as HAPC
	existing habitat protection measures for managed species.	bycatch limits disc. Paper								00/00		2012	Updated EFH information with
	measures for managed species.									98/90	BSAI/GOA	2012	findings from the 2010 EFH 5- year review
		2017 - EFH 5 year review, fishing effects model		•									Established trawl sweep
							_	$\left \right $	_	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		2012 - NBSRA plan halted											non-pelagic trawling
to Habitat	27. Identify and designate essential	2012 HADC alkate pure arise adapted								78/73	BSAI/GOA	2006	HAPCand EFH amendments, and associated fishery area closures
	fish habitat and habitat areas of	2013 - HAPC skate nurseries adopted								65/65	BSAI/GUA	2000	in the GOA and Al
	particular concern pursuant to Magnuson-Stevens Act rules, and	2015 – Fishery impacts on Pribilof											
	mitigate fishery impacts as	corals											
	necessary and practicable to	2017 - EFH 5 year review and Omnibus		•									
	continue the sustainability of	Amds											
	managed species.									Regulate	ory amendn	nents re	lated to this goal statement
		Ongoing - Included in research priorities		•			•						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
													block fisheries in the Aleutian Islands

General Priority	Management Objectives	Recent, Current, Ongoing, Pending Activity	F		17 J 0	D		2013 J		D	c	umulative	Manage	ement Actions/Outcomes
	28. Develop a Marine Protected	Ongoing - Actions are developed	Π								FMP amen	dments rel	ated to	this goal statement
	Area policy in coordination with		•	• •	•	•	• •	•	• •	•	104	BSAI	2015	Designated skate nurseries in
	national and state policies.	and AK									104	DJAI	2015	Bering Sea as HAPC
														Updated EFH information with
	20 Encourage development of a	Ongoing EFH 5-year reviews, including									98/90	BSAI/GOA	2012	findings from the 2010 EFH 5-
	29. Encourage development of a research program to identify	updates to fishing effects model and	•	• •	•	•	•	•	•	•				year review
	regional baseline habitat	EFH descriptions												Established trawl sweep
	information and mapping, subject to										94/89	BSAI/GOA	2010	elevation requirement in the
6. Reduce and	funding and staff availability.	Ongoing – (related) Extensive mapping	•	•	•	•		•	•	•				flatfish fisheries
Avoid Impacts		program through NMFS Habitat Division												Established Bering Sea Habitat
to Habitat											89	BSAI	2008	Conservation area closures for
to Habitat														non-pelagic trawling
	30. Develop goals, objectives and										78/73		2000	HAPCand EFH amendments, and
	criteria to evaluate the efficacy and suitable design of marine protected										65/65	BSAI/GOA	2006	associated fishery area closures
	areas and no-take marine reserves	Ongoing - Addressed in purpose and								l	00,00			in the GOA and Al
	as tools to maintain abundance,	need for individual actions		•		•				•				
	diversity, and productivity.													
	Implement marine protected areas													
	if and where appropriate.													

General Priority	Management Objectives	Recent, Current, Ongoing, Pending Activity		20 A J	D	20: 4 J	-	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	s						 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)

	Management Ohiastiwas	Recent, Current, Ongoing, Pending		20)17			201	8			Cumula	tive Menere	ment Antique (Outremes
General Priority	Management Objectives	Activity	F	Α	JO	D	FA	7 I	0	D				ement Actions/Outcomes
		Ongoing – Program reviews for				Π					FMP amendm	nents related	to this goal sta	
	33. Provide for adaptive	AM80, AFA, Halibut-Sablefish IFQ	•	•	• •	•	• •	• •	•	•	101	GOA	2016	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	2016	Al Pcod catcher vessel fishery and shoreplant delivery requirement
	performance.	2017 - Area 4 halibut IFQ leasing by CDQ groups			•						106	BSAI	2014	AFA vessel replacement
		2008 - VMS exemption for dinglebars									102	BSAI	2014	Implement a CQE program for sablefish in the BSAI
7. Promote Equitable and		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
Efficient Use of Fishery	24 Develop monormout	2009 - GOA fixed gear latent licenses									99	BSAI	2013	BSAI freezer longline maximum length overall adjustment
Resources	34. Develop management measures that, when practicable,	2009 - GOA Pcod sector allocations									85/83	BSAI/GOA	2011	Sector allocations for Pacific cod
	consider the efficient use of fishery resources taking into account the	2010 - GOA rockfish program									86	GOA	2010	Fixed gear endorsement in GOA
	interest of harvesters, processors, and communities.	renewed									78,85,88	GOA	2009, 2011	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	2009	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	2007	Sector allocations and cooperative formation for 3 flatfish species, POP, and Atka mackerel in BSAI
											68	GOA	2006	Cooperative program for rockfish in central GOA
											82	BSAI	2005	AI pollock to the Aleut Corporation

General Priority	Management Objectives	Recent, Current, Ongoing, Pending Activity	2 F A	017 J) F		2018 J		С	umulat	ive M	anagement Actions/Outcomes
	35. Continue to incorporate local and traditional knowledge in fishery management.	2007 - AI FEP Ongoing — BS FEP	• •	•	•	•	•	•	•	FMP 113 109	BSAI BSAI	2016	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	36. Consider ways to enhance collection of local and traditional knowledge from communities, and incorporate such knowledge in fishery management where appropriate.	Bering Sea Elders Pending - Subsistence module in BSFEP	• •	•	•	•	•	•	• •	102 96 94		2014 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.	2008 - Protocol approved 2017 - St Paul Island outreach Ongoing - continued outreach on BSAI salmon bycatch Ongoing - Council Outreach Committee meets periodically	• •	•	•	•	•	•	• •	state • Co by C • Co (curr • W	ement ommun ouncil ommun ently fo	agem ity outi in 2008 ity con ocused	Al pollock to the Aleut Corporation ent actions related to this goal reach and consultation policy adopted a nmittee helps prioritize outreach d on BSAI salmon analyses) gned to include a rural outreach

General Priority	Management Objectives	Recent, Current, Ongoing, Pending		201				018			Cumulative	Manager	nent Actions/Outcomes
,		Activity	F A	1	0 [) F	A	J	O D				
		2013 - ObsPgm Restructured 2013 - EM Strategic Plan								FMP amer	idments rela	ted to this	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
		2015 - EM Analysis Observer tendering (on hold)								86/76	BSAI/GOA	2012	Observer program restructuring
9. Improve Data Quality,		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		2008/2010 - Restructuring adopted/approved											
		2013 - EM Strategic Plan approved									•		elated to this goal statement r data through the deployment plan
	39. Develop funding mechanisms that achieve equitable costs to the industry for implementation of the	2015 - Reg Amendments for coverage categories								• Discuss	sion paper o	n VMS us	ch Accounting System e and requirements j developed as a tool for catch
	North Pacific Groundfish Observer	2015 - EM Analysis								monitoring	g. Pre-imple	mentation	program approved for 2016.
	Program.	Observer coverage on BSAI trawl CVs (on hold)	•	•	• •	•	•	•	• •	cooperate • Council	es with North initiated and	n Pacific R d participa	n through annual research priorities, Research Board tes in Alaska Marine Ecosystem other relationships with partner
		Ongoing - Annual Program Review and Deployment Plan	•	•	• •	•	•	•	• •	entities		un nan in iy t	

General Priority	Management Objectives	Recent, Current, Ongoing, Pending Activity	E	20	-	c	201	.8 0 D	Cumulative Management Actions/Outcomes
9. Improve Data Quality,	40. Improve community and regional economic impact costs and benefits through increased data reporting requirements.	2008 - Partially addressed in AM 80						•	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	201 \		DF		201 J	8 0 [D	Cumulative Management Action	s/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	•	•	•		•	•	•	114/104 BSAI/GOA 2017 into the No Program Change ob	ent electronic monitoring orth Pacific Observer server coverage cemptions 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	•				•			Remove d	orogram restructuring ark rockfish from FMP, agement 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 the Annual refinement of observer data throug Ongoing work to improve Catch Accounti Discussion paper on VMS use and requir Electronic monitoring is being developed monitoring. Pre-implementation program ap Council encourages research through an cooperates with North Pacific Research Bc Council initiated and participates in Alaska Forum, as well as maintaining other relatior entities	gh the deployment plan ng System ements as a tool for catch oproved for 2016. nual research priorities, pard a Marine Ecosystem



MOTION: Stranded BSAI and GOA Pacific Cod

MOTION: Observer EM Letter

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



Photo: Mark Holsmar

ACLIM: The Alaska Climate Integrated Modeling Project

Kirstin Holsman & Stephen Kasperski

ACLIM PIs:

Anne Hollowed¹, Kirstin Holsman¹, Alan Haynie¹, Stephen Kasperski¹, Jim Ianelli¹, Kerim Aydin¹, Wei Cheng^{2,3}, Al Hermann^{2,3}, Trond Kristiansen⁴, Andre Punt⁵

VOAA FISHERIES

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

2014-2016 Alaska Dispatch News Makater Makater Natio Galewitherer Gale Arnus I Antone 2017 Solerife Obtainer, Catalant Seven Lettion Road-Internets, Sporanel Ca

Scientists think Gulf of Alaska seabird die-off is

biggest ever recorded

Anomalously warm waters



Other Groundfish

GOA Groundfish Economics

- 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

Introduction

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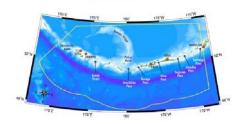
7. BS
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Aleutian Islands Fishery Ecosystem Plan December 2007



"Our creation story tells us that we dropped from the heavens above onto these islands that stratch across the stormy seas like a lifeline."

> by Allan Hayton, Alaska Initiative for Community Engagement (http://www.alaskalice.org/material.php?wartCir635)



Arctic FMP

• AIFEP

• BSFEP

(non-fishery) management 6.a. evaluate resilience b. evaluate community well- being
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1.a. system inventory and model 1.a. engage partners and



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