

February 2018

Programmatic Groundfish
Management Policy
Annual Review

Action

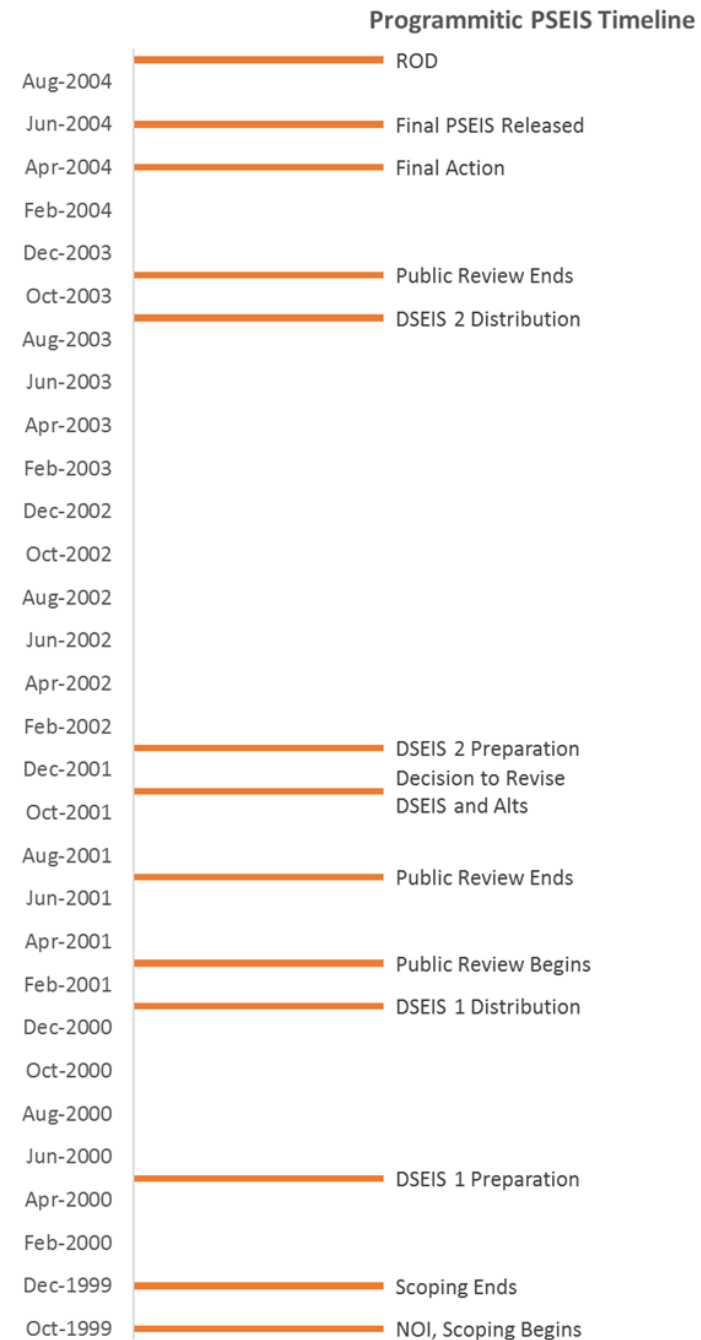
- Review:
 - Programmatic Groundfish Management Policy
 - Council actions relative to the Policy as conveyed in the Programmatic Workplan
- Consider:
 - Recommending modifications to the Management Objectives (noting this requires an FMP amendment)
 - Recommending additional Council actions to better 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. Objectives 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

General Priority	Management Objectives	Recent, Current, Ongoing, Pending Activity	2017					2018					Cumulative Management Actions/Outcomes	
			F	A	J	O	D	F	A	J	O	D		
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.	<div style="border: 2px solid red; padding: 5px;"> USCG Reports NIOSH Reports </div>	●	●	●	●	●	●	●	●	●	●	●	
			●				●							

General Priority	Management Objectives	Recent, Current, Ongoing, Pending Activity	2017					2018					Cumulative Management Actions/Outcomes
			F	A	J	O	D	F	A	J	O	D	
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 <ul style="list-style-type: none"> • Annual specifications for setting harvest levels • Standardized Bycatch 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 <ul style="list-style-type: none"> • 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

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4. Manage Incidental Catch and Reduce Bycatch and Waste (cont'd)	21. Reduce waste to biologically and socially acceptable levels.	2016 - Longline pot gear for sablefish																			FMP amendments related to this goal statement				
		Ongoing – Halibut Management Framework	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	114/104	BSAI/GOA	2017	Integrate electronic monitoring into the North Pacific Observer Program
		Ongoing - bycatch management through PSC limits and other actions	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	112/102	BSAI/GOA	2016	Small CPs added to partial selection
		Pending - halibut retention in sablefish pots (BSAI)																				111	BSAI	2016	Reduced PSC limits for halibut
		WGOA temporal patterns of halibut and Chinook PSC																				110	BSAI	2016	Established Chinook and chum salmon PSC avoidance measures
		2017 - Stranded Pcod discussion paper																				101	GOA	2016	Longline pot gear for sablefish
																						79	BSAI	2014	Established groundfish retention standard
																						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

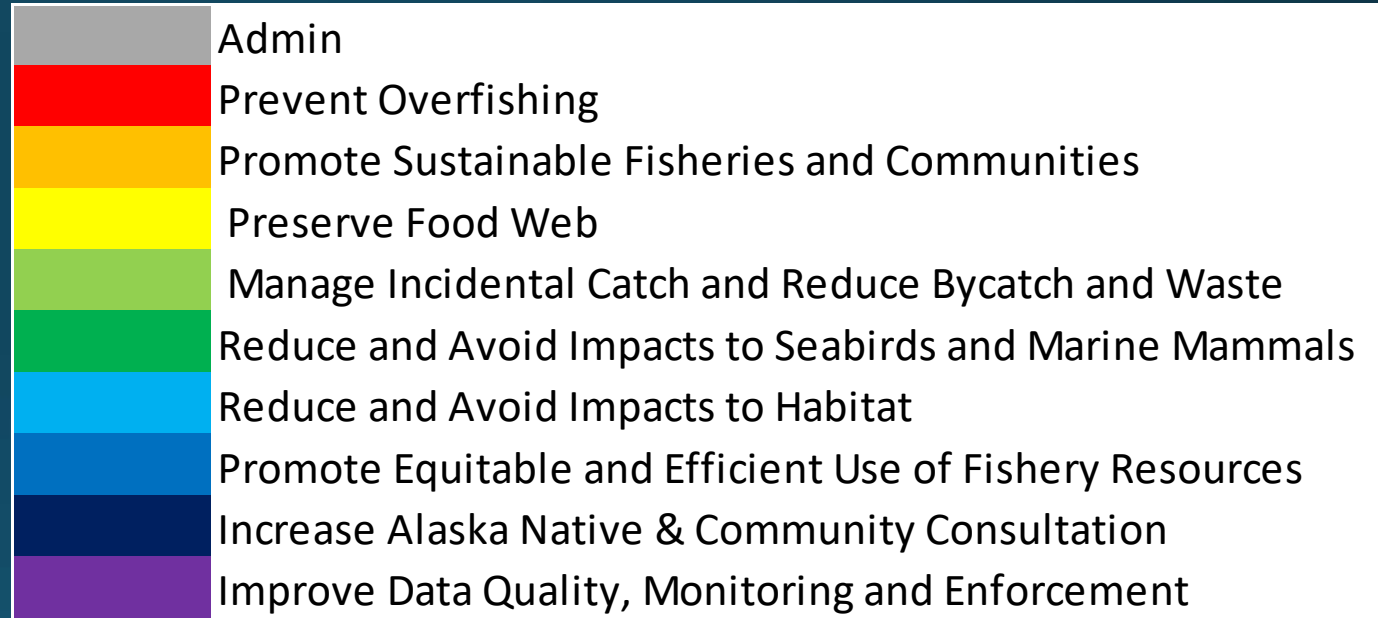
General Priority	Management Objectives	Recent, Current, Ongoing, Pending Activity	2017					2018					Cumulative Management Actions/Outcomes								
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5. Reduce and Avoid Impacts to Seabirds and Marine Mammals	22. Continue to cooperate with U.S. Fish and Wildlife Service (USFWS) to protect ESA-listed species, and if appropriate and practicable, other seabird species.	2008 - Avoidance measures in area 4E 2015 - Re-consultation for short-tailed albatross Ongoing USFWS Report at every Council meeting	•	•	•	•	•	•	•	•	•	•	FMP amendments related to this goal statement <table border="1"> <tr> <td>107</td> <td>BSAI</td> <td>2014</td> <td>Walrus protection and transit corridors around Round Island and Cape Pierce</td> </tr> <tr> <td>20/25</td> <td>BSAI/GOA</td> <td>1991</td> <td> <ul style="list-style-type: none"> • 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. </td> </tr> </table>	107	BSAI	2014	Walrus protection and transit corridors around Round Island and Cape Pierce	20/25	BSAI/GOA	1991	<ul style="list-style-type: none"> • 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.
	107	BSAI	2014	Walrus protection and transit corridors around Round Island and Cape Pierce																	
	20/25	BSAI/GOA	1991	<ul style="list-style-type: none"> • 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. 																	
	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	•	•	•	•	•	•	•	•	•	•									
24. Encourage programs to review status of endangered or threatened marine mammal stocks and fishing interactions and develop fishery management measures as appropriate.	Ongoing - Monitoring through the Protected Species Report Request for NMFS to update Conservation Plan for Northern Fur Seals Marine mammal status update to SSC	•	•	•	•	•	•	•	•	•	•	Regulatory amendments related to this goal statement <ul style="list-style-type: none"> • Revisions to seabird avoidance measures, including in Area 4E • Revisions to Steller sea lion closures for pollock and cod fisheries in the GOA • Revisions to Steller sea lion protection measures for Atka mackerel, Pacific cod, and pollock fisheries in the Aleutian Islands • Designation of critical 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	•	•	•	•	•	•	•	•	•	•	Other management actions related to this goal statement <ul style="list-style-type: none"> • ESA consultations on fishery impacts on listed seabirds and marine mammals • Council receives protected species report at each meeting, monitoring issues with seabirds and marine mammals • Reconsideration of Steller sea lion closures in 2014 biological opinion and 2014 EIS 									

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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 - AI 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Permit fee authorization (all FMPs)

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7. Promote Equitable and Efficient Use of Fishery Resources	33. Provide for adaptive management by periodically evaluating the effectiveness of rationalization programs and the allocation of access rights based on performance.	Ongoing – Program reviews for AM80, AFA, Halibut-Sablefish IFQ Pgm, others	•	•	•	•	•	•	•	•	•	•	•	•	FMP amendments related to this goal statement						
		Ongoing Co-op Reports	•	•	•	•	•	•	•	•	•	•	•	•	•	101	GOA	2016	Allow use of longline pots for sablefish		
	34. Develop management measures that, when practicable, consider the efficient use of fishery resources taking into account the interest of harvesters, processors, and communities.	2017 - Area 4 halibut IFQ leasing by CDQ groups	2008 - VMS exemption for dinglebars													109	BSAI	2016	Allow for a small boat CDQ Pacific cod fishery		
			2008 - Trawl LLP recency in 2008														113	BSAI	2016	AI Pcod catcher vessel fishery and shoreplant delivery requirement	
			2009 - GOA fixed gear latent licenses														106	BSAI	2014	AFA vessel replacement	
			2009 - GOA Pcod sector allocations														102	BSAI	2014	Implement a CQE program for sablefish in the BSAI	
			2010 - GOA rockfish program renewed														94,96	GOA	2013, 2014	Revisions to GOA CQE program entities, revise vessel use caps, allow purchase of small blocks	
			2017 - WGOA pollock trip limits															99	BSAI	2013	BSAI freezer longline maximum length overall adjustment
																		85/83	BSAI/GOA	2011	Sector allocations for Pacific cod
			2017 - GOA Stranded Pcod															86	GOA	2010	Fixed gear endorsement in GOA
																		78,85,88	GOA	2009, 2011	Rockfish Program revisions; new program authorized
																		80,90,93,97	BSAI	2007-2012	Vessel replacement and cooperative revisions
																		82,92 / 86	BSAI/GOA	2005-2010	Latent licenses rescinded
																					Revise the BSAI FMP description of the CV
		Ongoing - MRA adjustments	•	•	•	•	•	•	•	•	•	•	•	•	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			

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8. Increase Alaska Native & Community Consultation	35. Continue to incorporate local and traditional knowledge in fishery management.	2007 - AI FEP Ongoing – BS FEP	•	•	•	•	•	•	•	•	•	•	•	FMP amendments related to this goal statement <table border="1"> <tr> <td>113</td> <td>BSAI</td> <td>2016</td> <td>Aleutian Islands Pacific cod catcher vessel fishery and shoreplant delivery requirement</td> </tr> <tr> <td>109</td> <td>BSAI</td> <td>2016</td> <td>Allow for a small boat CDQ Pacific cod fishery</td> </tr> <tr> <td>102</td> <td>BSAI</td> <td>2014</td> <td>Establish CQE program in Area 4B</td> </tr> <tr> <td>96</td> <td>GOA</td> <td>2014</td> <td>Revise the sablefish IFQ program to allow GOA CQEs to transfer and hold small blocks of sablefish quota shares</td> </tr> <tr> <td>94</td> <td>GOA</td> <td>2013</td> <td>Revise the vessel use caps applicable to sablefish quota share held by GOA CQEs</td> </tr> <tr> <td>82</td> <td>GOA</td> <td>2009</td> <td>AI pollock to the Aleut Corporation</td> </tr> </table>	113	BSAI	2016	Aleutian Islands Pacific cod catcher vessel fishery and shoreplant delivery requirement	109	BSAI	2016	Allow for a small boat CDQ Pacific cod fishery	102	BSAI	2014	Establish CQE program in Area 4B	96	GOA	2014	Revise the sablefish IFQ program to allow GOA CQEs to transfer and hold small blocks of sablefish quota shares	94	GOA	2013	Revise the vessel use caps applicable to sablefish quota share held by GOA CQEs	82	GOA	2009	AI pollock to the Aleut Corporation
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36. Consider ways to enhance collection of local and traditional knowledge from communities, and incorporate such knowledge in fishery management where appropriate.	<div style="border: 1px solid red; padding: 2px;">Bering Sea Elders</div> Pending - Subsistence module in BSFEP	•	•	•	•	•	•	•	•	•	•	•																										
37. Increase Alaska Native participation and consultation in fishery management.	2008 - Protocol approved <div style="border: 1px solid red; padding: 2px;">2017 - St Paul Island outreach</div> Ongoing - continued outreach on BSAI salmon bycatch Ongoing - Council Outreach Committee meets periodically	•	•	•	•	•	•	•	•	•	•	•	Other management actions related to this goal statement <ul style="list-style-type: none"> • Community outreach and consultation policy adopted by Council in 2008 • Community committee helps prioritize outreach (currently focused on BSAI salmon analyses) • Website redesigned to include a rural outreach component 																									

October 2017



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 Holsman

ACLIM: The Alaska Climate Integrated Modeling Project

Kirstin Holsman & Stephen Kasperski

ACLIM PIs:

- | | |
|--|---|
| Anne Hollowed ¹ , Kirstin Holsman ¹ ,
Alan Haynie ¹ , Stephen Kasperski ¹ , Jim
lanelli ¹ , Kerim Aydin ¹ , Wei Cheng ^{2,3} , Al
Hermann ^{2,3} , Trond Kristiansen ⁴ , Andre Punt ⁵ | <ol style="list-style-type: none"> 1. NOAA Fisheries, Alaska Fisheries Science Center 2. NOAA Office of Oceanic and Atmospheric Research, Pacific Marine Environmental Laboratory 3. Joint Institute for the Study of the Atmosphere and Ocean, University of Washington 4. Institute of Marine Research, Bergen Norway 5. School of Aquatic and Fisheries Science, University of Washington |
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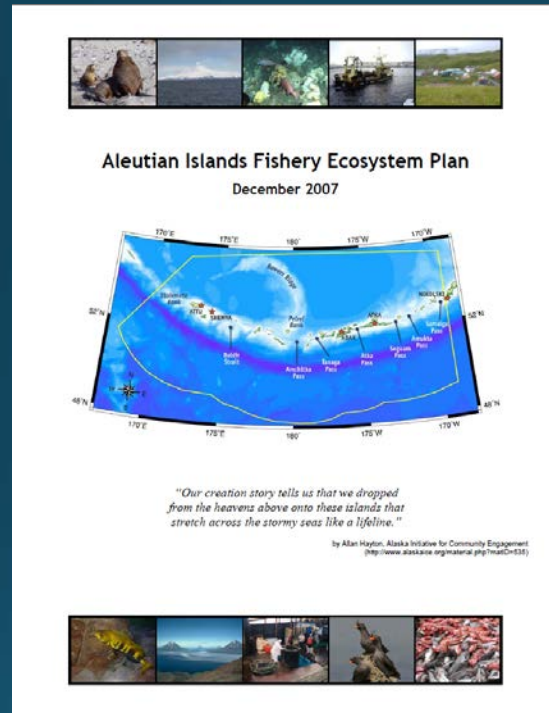
Anomalously warm waters 2014-2016

GOA Groundfish Economics

- The 2016 Gulf of Alaska groundfish fisheries generated \$354 million in first-wholesale 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.

Council Actions Outside the Scope of the Groundfish FMPs

- AIFEP
- BSFEP
- Arctic FMP

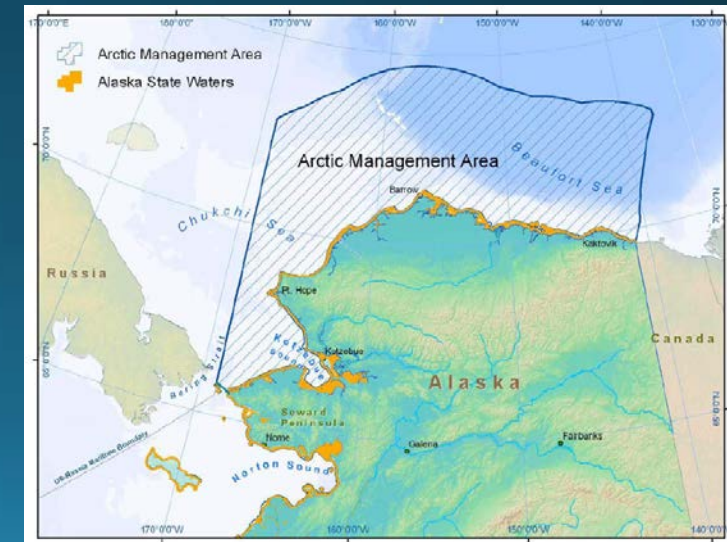


Aleutian Islands Fishery Ecosystem Plan
December 2007

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

by Alan Hayton, Alaska Initiative for Community Engagement
(<http://www.alaskainitiative.org/central.php?mail=CI-033>)

Comparison of FEP contents			
BS Core FEP draft outline (2015)	EPAP (1999)	Lenfest (2016)	NOAA's EBFM Roadmap (2016)
1. Introduction	1. Geographic extent of ecosystem	1.a. system inventory and model	1.a. engage partners and stakeholders
2. Purpose of FEP	2. Food web model	b. indicators	b. support FEPs
3. Background / EBFM theory	3. Habitat needs of the significant food web	c. threats	2.a. ecosystem science to understand interactions – biological, physical, social, habitat
4. Scope of FEP	4. Total removals	2.a. vision statement	b. ecosystem status reports
a. Geographic	5. How uncertainty is characterized	b. strategic objectives	3.a. identify ecosystem-level risk and vulnerability across LMRs
b. Jurisdictional	6. Ecosystem indicators	c. assess risk to objectives	b. identify pressures with most risk to communities and resources
c. Fisheries	7. Long-term monitoring data	d. prioritize objectives	4.a. analyze tradeoffs when maximizing benefits within ecosystem
5. Synthesis of ecosystem information	8. Assessment of ecosystem elements	e. operational objectives	b. develop ecosystem MSE capability for providing management advice
6. Ecosystem goals	9. Framework for action modules	3.a. performance measures	5.a. monitor ecosystem reference points
7. BS FEP objectives	a. Process	b. management strategies	b. incorporate ecosystem considerations in assessments, control rules, fisheries management
8. Framework for action modules	b. List	c. evaluate strategies	c. integrated advice for other (non-fishery) management
a. Process	c. Institutional	d. select strategy	6.a. evaluate resilience
b. List		4. Implementation	b. evaluate community well-being
9. Outreach / public involvement		5. Did we make it?	
10. Recurrence / feedback mechanism			



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