

Annual Review / Recommendations

Research Priorities

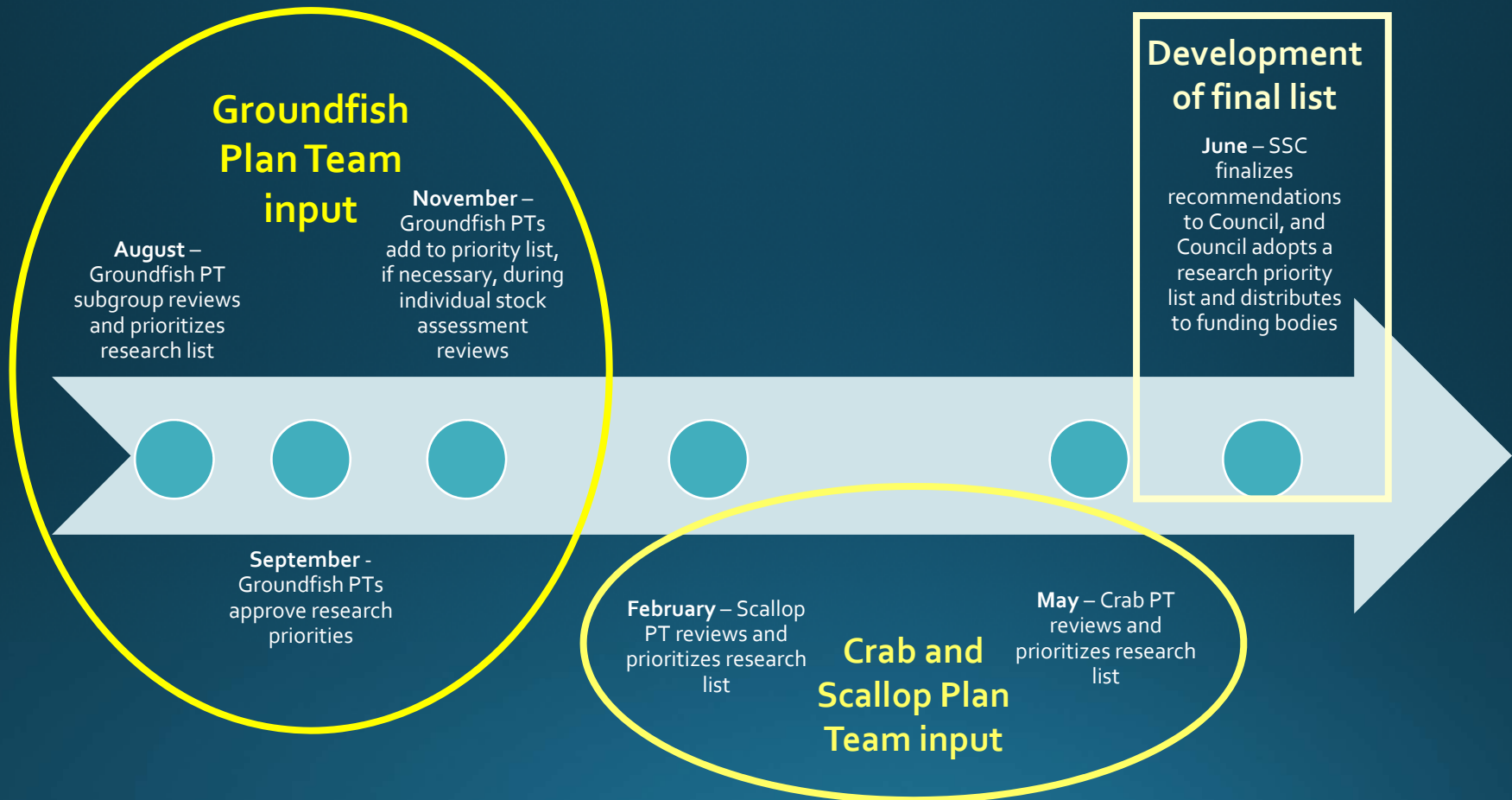
MSA Mandate

“Each Council shall, in accordance with the provisions of this Act —

(7) develop, in conjunction with the scientific and statistical committee, multi-year research priorities for fisheries, fisheries interactions, habitats, and other areas of research that are necessary for management purposes, that shall—

- (A) **establish priorities for 5-year periods;**
- (B) **be updated as necessary;** and
- (C) be submitted to the Secretary and the regional science centers of the National Marine Fisheries Service for their consideration in developing research priorities and budgets for the region of the Council; ”

Annual research priority process



Management Priorities

- Annual April Review
- Programmatic EIS for Groundfish (2002)
- 9 General Priorities
 - 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
- 45 Management Objectives

Revised Categories / Definitions

CRITICAL ONGOING MONITORING: Information provided by monitoring activities in this category (1) provide an essential management function; (2) cannot likely be acquired through other means; or (3) are required by regulation. This is monitoring essential to maintaining our compliance with federal requirements, including National Standards, or necessary for the ongoing management of the fishery. Postponement would have a significant and immediate impact on management.

URGENT: Research that is essential for compliance with federal requirements, including National Standards, or that has been identified by management as necessary to aid decision-making. It is expected that a one or two year project would meet the information need. Postponement would have a significant impact on management.

Revised Categories / Definitions

IMPORTANT (Near Term): Obtaining a new set of data or research result that is likely to aid in the evaluation of a near term management goal. The research might be a several year program. Postponement will not have an immediate impact on fishery management; however, the information generated will likely inform near term (e.g., <5 year) Council actions.

STRATEGIC (Future Needs): Research that is valuable but is not associated with an immediate need or near-term (e.g., <5years) Council action.

Action

- Review existing/new research priorities
- Recommend priorities to Council

- Other Issues:
 - Protected Resources
 - Halibut
 - Database

Materials

- Terms and Definitions
- List of Existing Research Priorities
 - Sent to Secretary in 2015
 - Edited to reflect Plan Team recommendations
- New projects

Existing Council Research Priorities with 2016 Plan Team Revisions

D1 Research Priorities
June 2016

Research ID	Title	Description	Council Priority	Updated Plan Team Priority	Research Status
144	District-wide survey for demersal shelf rockfish in Southeast Alaska	Conduct a district-wide survey for demersal shelf rockfish in Southeast Alaska on a biennial or triennial basis. Survey information is becoming extremely dated.	Critical	GF: Important, Crab: --, Scallop: --	No Action Underway
145	Continuation of State and Federal annual and biennial surveys	Continuation of State and Federal annual and biennial surveys in the GOA, AI, and EBS, including crab pot surveys, is a critical aspect of fishery management off Alaska. It is important to give priority to these surveys, in light of recent federal budgets in which funding may not be sufficient to conduct these surveys. Loss of funding for days at sea for NOAA ships jeopardizes these programs. Budgetary concerns have resulted in cuts to not only days at sea, which increases uncertainty, but also sampling the deepest strata, which threatens the value of trawl surveys as a synoptic ecological survey. These surveys provide baseline distribution, abundance, and life history data that form the foundation for stock assessments and the development of ecosystem approaches to management. Although an ongoing need, these surveys are considered the highest priority research activity, contributing to assessment of commercial groundfish and crab fisheries off Alaska.	Critical	GF: Critical, Crab: Critical, Scallop: --	Underway
150	Maintain the core biological and oceanographic data (e.g., biophysical moorings, stomach data, zooplankton, age 0 surveys) necessary to support integrated ecosystem assessment	Maintain the core data and process studies needed to support integrated ecosystem assessments. Core data include inputs for single- or multi-species management strategy evaluations, food web, and coupled biophysical end-to-end ecosystem models (e.g. biophysical moorings, stomach data, zooplankton, age 0 surveys (i.e. BASIS surveys)). Develop and maintain indices of sea ice formation, sea ice retreat, and timing/extent of the spring bloom for the EBS. For this, maintenance of moorings, especially M-2, is essential. If recent changes in ice cover and temperatures in the Bering Sea persist, these may have profound effects on marine communities.	Critical	GF: Important, Crab: Strategic, Scallop: --	Underway
186	Collect and maintain zooplankton and meroplankton biomass and community composition time series	Collect and maintain zooplankton and meroplankton biomass and community composition time series in the eastern Bering Sea. Develop, collect and maintain time series of zooplankton biomass and community composition for the GOA, AI, Arctic.	Critical	GF: Important, Crab: Strategic, Scallop: --	Partially underway
190	Collect and maintain time series of ocean pH	Collect and maintain time series of ocean pH in the major water masses off Alaska to improve understanding of ocean acidification and its effects on managed species, upper level predators and lower trophic levels	Critical	GF: Critical, Crab: Critical, Scallop: --	Underway
218	Survey capability for forage fish	Develop a long-term survey capability for forage fish (partially underway). The NPRB funded GOA and Bering Sea projects are currently describing the spatial and temporal variability in the structure of forage fish communities and the effect of this variability on predators. This work should be continued and methods for long-term monitoring should be developed.	Critical	GF: Important, Crab: --, Scallop: --	Partially underway
226	Continue to evaluate the economic effects from fishery policy changes on coastal communities.	Continue to evaluate the economic effects from fishery policy changes on coastal communities. This includes understanding economic impacts (both direct and indirect) and how the impacts are distributed among communities and economic sectors.	Critical	GF: Critical, Crab: Important, Scallop: --	Partially underway

Materials

- Terms and Definitions
- List of Existing Research Priorities
 - Sent to Secretary in 2015
 - Edited to reflect Plan Team recommendations
- New projects

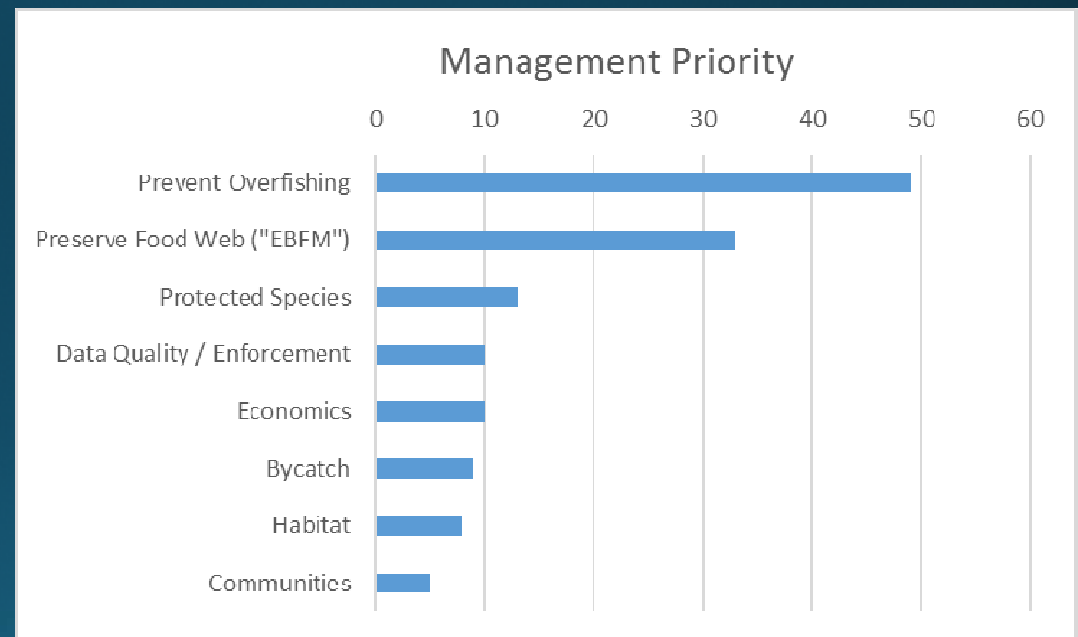
Plan Team Recommendations for New Research Priorities

D2 Plan Team Recommendations
JUNE 2016

Research ID	Title	Description	Plan Teams	Research Status	Ecosystem Areas	Keywords	Management Objective
511	Computerized image analysis of current camera sled data	Assessment of existing database of camled images is needed to provide scallop counts and sizes, contributing to abundance estimates. Additionally, sediment and habitat type and presence of other organisms can be assessed.	Scallop PT - Priority: Urgent	Underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Fish and Fisheries Monitoring, Scallop	Prevent overfishing
513	Evaluate extent and importance of parasites in scallop populations	Samples from Bering Sea scallops with weak meats were collected and sent to the ADF&G Anchorage Pathology Lab for analysis of any evidence of diseases and/or parasites. The results showed that the scallops were infected with an apicomplexan-like parasite. To further evaluate the geographic extent and infection rates of this parasite, a sampling effort was initiated in July 2013 to collect samples from select locations across the state, from Yakutat to the Bering Sea.	Scallop PT - Priority: Important	Partially underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Environmental Influences on Ecosystem Processes	Preserve Food Web
531	Collect growth data for Bering Sea crab stocks	Pending feedback from PT	Crab PT - Priority: Urgent	Partially underway	Bering Sea	Stock Assessment	Prevent overfishing
532	Natural mortality estimation for crab stocks	Pending feedback from PT	Crab PT - Priority: Important	No action	Gulf of Alaska, Bering Sea, Aleutian Islands	Stock Assessment	Prevent overfishing
533	Explore geospatial approaches for time series of survey data	Develop criteria necessary for using Thorson's geostatistical model as an alternative to the designed-based estimates for abundance indices used in stock assessments. Assess whether there are certain life history characteristics or levels of aggregation where this model should be used.	Joint Groundfish PT - Priority: Critical Ongoing Monitoring	Partially underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Stock Assessment	Prevent overfishing
534	Develop technical interaction model for BSAI MSE	Pending	Joint Groundfish PT - Priority: Urgent	Underway	Bering Sea, Aleutian Islands	Stock Assessment	Prevent overfishing
535	Development and evaluation of data poor and data moderate methods	Several methods are currently in use around the country for setting harvest specifications for data-poor and data-moderate stocks (corresponding, respectively, to Tiers 6 and 4-3 of the BSAI and GOA groundfish harvest control rules), several others are currently under development, and still others could be developed in the future. There is a need to continue development of such methods and to conduct comparative performance tests of the methods.	Joint Groundfish PT - Priority: Strategic	Underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Stock Assessment	Prevent overfishing
536	Evaluate incorporation of climate change impacts into stock assessments	Climate change impacts are becoming an increasingly important consideration for long term planning and should be included in projections of exploitable fish stocks and associated ecosystem components. Incorporation of climate-based parameters into fish stock assessments will allow for exploration of harvest scenarios in the context of evolving climate conditions. Research is needed to explore how these parameters can be integrated into fishery stock assessments.	Joint Groundfish PT - Priority: Strategic	Underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Ecosystem Modeling, Stock Assessment	Prevent overfishing
537	Identification of best practices for long term storage of ageing structures.	Archived ageing structures such as otoliths can deteriorate over time unless they are stored in appropriate media. Loss of archived structures reduces the potential for obtaining information through techniques such as micro-chemical analysis. Best practices for long term storage are currently not well established.	Joint Groundfish PT - Priority: Strategic	Partially underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Fish and Fisheries Monitoring	Improve Data Quality, Monitoring and Enforcement

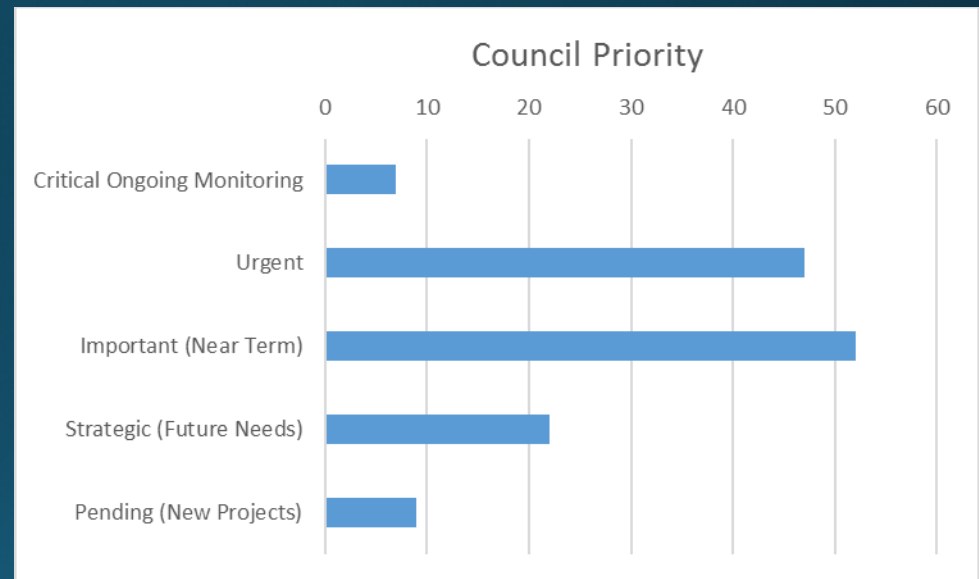
Management Priorities

Management Priority	N Projects
Prevent Overfishing	49
Preserve Food Web ("EBFM")	33
Protected Species	13
Data Quality / Enforcement	10
Economics	10
Bycatch	9
Habitat	8
Communities	5
Total	137



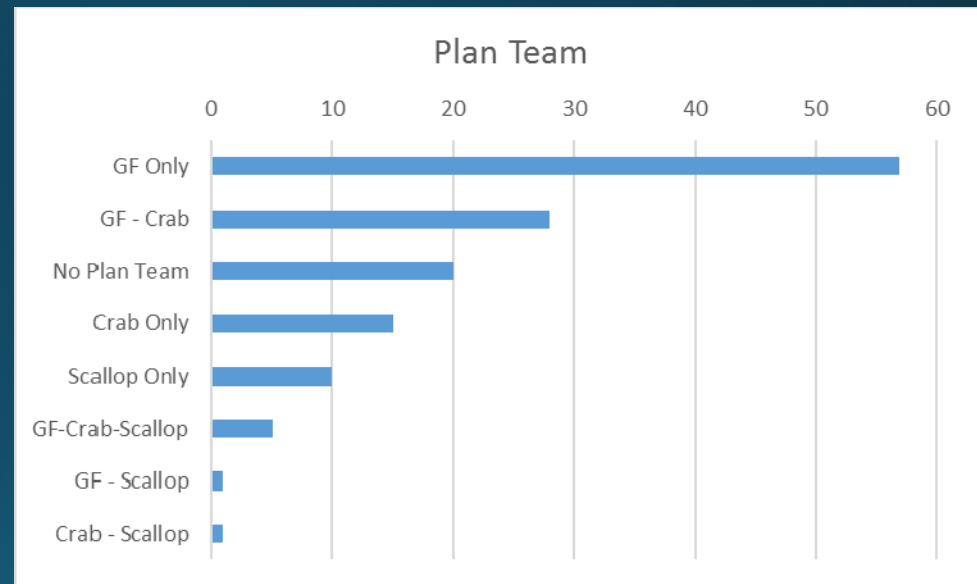
Priority Categories

Council Priority	N Projects
Critical Ongoing Monitoring	7
Urgent	47
Important (Near Term)	52
Strategic (Future Needs)	22
Pending (New Projects)	9
Total	137



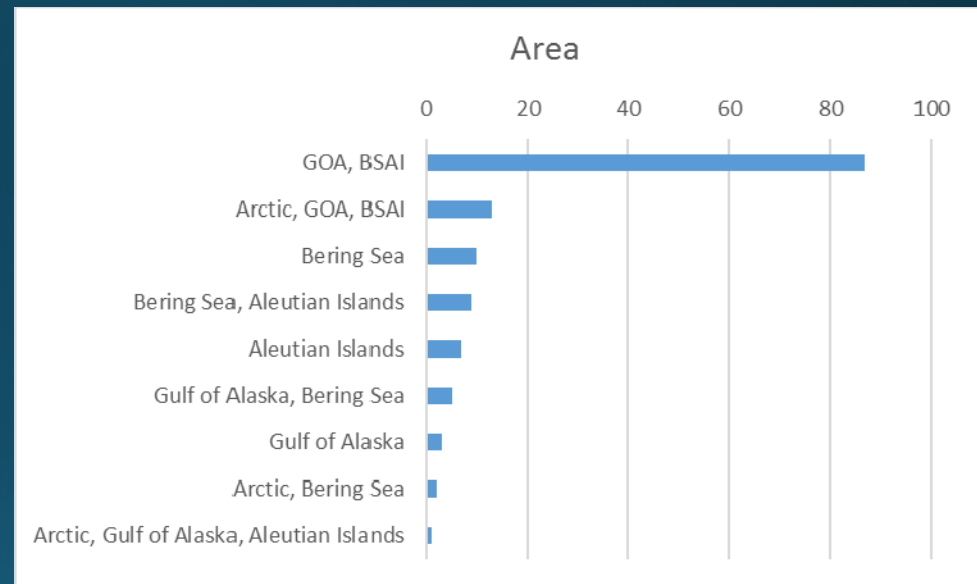
Plan Teams

Plan Team	N Projects
GF Only	57
GF - Crab	28
No Plan Team	20
Crab Only	15
Scallop Only	10
GF-Crab-Scallop	5
GF - Scallop	1
Crab - Scallop	1
Total	137



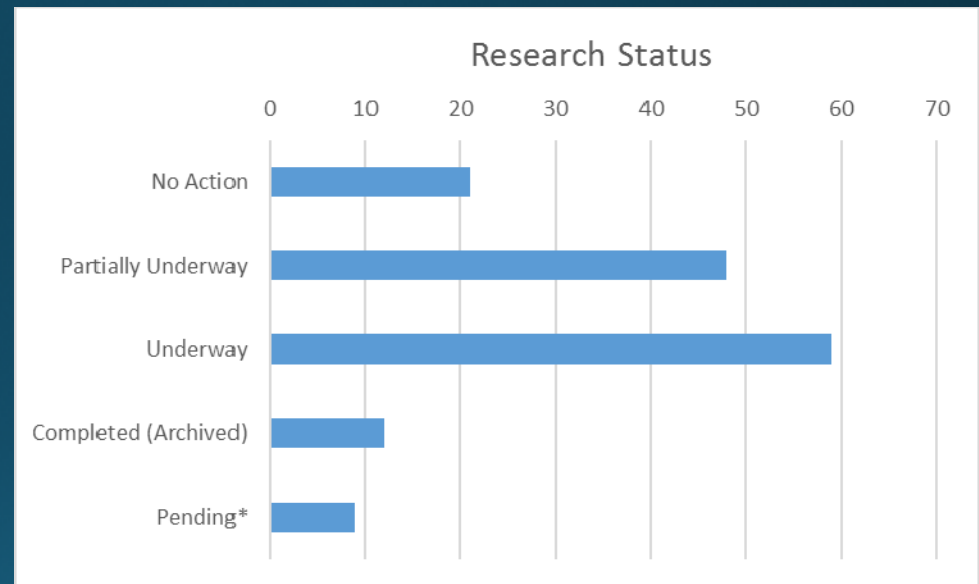
Management Areas

Area	N Projects
GOA, BSAI	87
Arctic, GOA, BSAI	13
Bering Sea	10
Bering Sea, Aleutian Islands	9
Aleutian Islands	7
Gulf of Alaska, Bering Sea	5
Gulf of Alaska	3
Arctic, Bering Sea	2
Arctic, Gulf of Alaska, Aleutian Islands	1
Total	137



Research Status

Research Status	N Projects
No Action	21
Partially Underway	48
Underway	59
Completed (Archived)	12
Pending*	9
Total	149



Status vs. Priority

	C.O.M	Urgent	Important	Strategic
No action		6	8	6
Partially underway	3	13	16	12
Underway	4	25	22	4

(18 projects with pending "status" or "priority")

Priorities by Subject Area

Major Issue	Priority				Total
	Critical	Urgent	Important	Strategic	
Assessment Inputs		13	21	5	39
Ecosystem Assessments		1	9	4	14
At Sea Survey	6	4	3		13
Habitat		2	5	1	8
Protected Species		4	2	2	8
Halibut		4	3	1	8
Economic Analysis	1	2	1	3	7
PSC Management		6	1		7
Management		4		1	5
Communities		1	4		5
Climate Change			1	4	5
Steller Sea Lion		3	1		4
Fishery Interactions		2	1		3
Data Quality		1		1	2
Total	7	47	52	22	128

Priorities by Subject Area

Assessment Inputs Sub-Issue	Priority				Total
	Critical	Urgent	Important	Strategic	
Stock Structure		1	3		4
Catchability / Selectivity		1	2		3
Distribution / Movement		1	2		3
Spatial Assessment		1	2		3
Ageing methods		1	2		3
Discard Mortality		1	1		2
Natural Mortality			2		2
Initiate Assessment		1		1	2
Life History		1	1		2
Temperature Database			1		1
Depredation			1		1
Uncertainty		1			1
Projection Models				1	1
Total Removals		1			1
Reproductive Index		1			1
Data Poor Methods			1		1
Bioeconomic Modeling			1		1
Archived Data				1	1
Maturity				1	1
Stock-Specific Ecosystem Indicators			1		1
CPUE Factors		1			1
Hybridization				1	1
Survey Data Analysis			1		1
Stock Recruit Relationship		1			1
Total		13	21	5	39

Priorities by Subject Area

At Sea Surveys	Priority				
Sub-Issue	Critical	Urgent	Important	Strategic	Total
Survey techniques	1	3	2		6
Maintain Survey	4				4
Expand Survey Collection	1		1		2
Expand Survey Range		1			1
Total	6	4	3		13
Climate Change	Priority				
Sub-Issue	Critical	Urgent	Important	Strategic	Total
Ocean Acidification				2	2
Improved Data Availability				1	1
Climate Forcing			1		1
Modeling				1	1
Total			1	4	5
Communities	Priority				
Sub-Issue	Critical	Urgent	Important	Strategic	Total
Subsistence Use		1	1		2
Social and Economic Linkages			1		1
Effects of Management			1		1
Importance of Non-Commercial Species			1		1
Total		1	4		5

Priorities by Subject Area

Economic Analysis	Priority				
Sub-Issue	Critical	Urgent	Important	Strategic	Total
Chinook Mgmt Effects			1		1
Allocation		1			1
Non-market Value				1	1
Comprehensive		1			1
Product Inventory				1	1
Demand Analysis				1	1
Effects of Management	1				1
Total	1	2	1	3	7
Ecosystem Assessments	Priority				
Sub-Issue	Critical	Urgent	Important	Strategic	Total
Ecosystem Indicators			3		3
Diseases and Parasites		1	1		2
Water Quality			1	1	2
Ecosystem Productivity			1		1
Ecosystem Structure			1		1
Primary Production				1	1
Species Composition				1	1
Predator-Prey Interactions			1		1
Benthic Community Composition				1	1
Energy Pathways			1		1
Total		1	9	4	14

Priorities by Subject Area

Fishery Interactions		Priority				
Sub-Issue	Critical	Urgent	Important	Strategic	Total	
Monitoring		1			1	
Target and Non-Target (General)		1			1	
Trawl Impacts on RKC			1		1	
Total		2	1		3	
Economic Analysis		Priority				
Sub-Issue	Critical	Urgent	Important	Strategic	Total	
EFH and HAPC determination			2		2	
Mapping			1	1	2	
Habitat Function in Population and Ecosystem Proc			1		1	
Benthic Community Composition		1			1	
Assess and Monitor		1			1	
Effects of Management			1		1	
Total		2	5	1	8	
Halibut		Priority				
Sub-Issue	Critical	Urgent	Important	Strategic	Total	
Industry Responses		1			1	
Spatial Patterns		1			1	
Population Dynamics			1		1	
Ecosystem Effects			1		1	
Dependence		1			1	
Effects of Management		1			1	
Economic Analysis			1		1	
Long term Impacts				1	1	
Total		4	3	1	8	

Priorities by Subject Area

Management	Priority				
Sub-Issue	Critical	Urgent	Important	Strategic	Total
MSE		2			2
Uncertainty		1			1
Spatial Changes in Effort				1	1
Risk Analysis		1			1
Total		4		1	5
PSC Management	Priority				
Sub-Issue	Critical	Urgent	Important	Strategic	Total
Economic Analysis		2			2
Socio-Economic Analyses			1		1
Gear Modification		1			1
Chinook Mgmt Effects		1			1
Bycatch Reduction		1			1
Comprehensive		1			1
Total		6	1		7

Priorities by Subject Area

Protected Resources	Priority				
Sub-Issue	Critical	Urgent	Important	Strategic	Total
Fishery Impacts		1	1	1	3
Population Dynamics		1		1	2
Effects of SSL Measures		1			1
Movement Analysis		1			1
Socio-Economic Analyses			1		1
Total		4	2	2	8
Steller Sea Lion	Priority				
Sub-Issue	Critical	Urgent	Important	Strategic	Total
Killer Whale Predation		1			1
Health		1			1
Population Dynamics		1			1
Survey techniques			1		1
Total		3	1		4

Protected Resource and Halibut Priorities

Plan Team	N Projects
GF Only	57
GF - Crab	28
No Plan Team	20
Crab Only	15
Scallop Only	10
GF-Crab-Scallop	5
GF - Scallop	1
Crab - Scallop	1
Total	137

Protected Resources: 12

Halibut: 8

Protected Resource Priorities

Research ID	Title	Description	Category	Approach	Focus	Ecosystem Area	Council Priority	Research Status
159	Evaluate interactions between fisheries and pinnipeds	Studies of the interactions between fisheries and protected species, such as Steller sea lions in the Central and Western Aleutian Islands (areas 541, 542, 543), and northern fur seals on the eastern Bering Sea shelf are needed. These studies should be conducted at appropriate spatial and temporal scales with an emphasis on seasonal prey fields, diet, and movement of fisheries and pinnipeds.	Protected Species	Fishery Impacts	Pinnipeds	BSAI	Urgent	Underway
160	Assess vital rates of Steller sea lions	Assess vital rates (i.e., reproduction and survival) of Steller sea lions in the western DPS (including Russia) at sufficient frequency to track population dynamics.	Steller Sea Lion	Population Dynamics	Western DPS	BSAI	Urgent	Underway
161	Assess the health of Stellar sea lions	Assess possible indirect effects of fisheries removals via periodic health assessments, indices of body condition, survival of pups and juveniles, and natality of Steller sea lions in the western DPS.	Steller Sea Lion	Health	Western DPS	BSAI	Urgent	Underway
162	Quantify killer whale predation of Steller sea lions (M)	Quantify killer whale predation of Steller sea lions, particularly in the western and central Aleutian Islands.	Steller Sea Lion	Killer Whale Predation	AI	AI	Urgent	Underway
180	Economic, social, and cultural valuation research on protected species	Economic, social, and cultural valuation research on protected species is needed (i.e., non-market consumptive use, passive use, non-consumptive use).	Protected Species	Socio-Economic Analyses	Protected Resource Mgmt	GOA, BSAI	Important	Underway
212	Develop methods to estimate sea lion abundance	Develop new methods to estimate sea lion abundance, such as the use of unmanned aerial vehicles, which could increase the probability of acquiring abundance estimates in remote areas.	Steller Sea Lion	Survey techniques	Abundance	GOA, BSAI	Important	Underway

Protected Resource Priorities

Research ID	Title	Description	Category	Approach	Focus	Ecosystem Area	Council Priority	Research Status
213	Assess the impact of the displacement of the groundfish fleet on Northern fur seals	Assess the impact of the displacement of the groundfish fleet due to Steller sea lion protection measures on the prey availability, foraging ecology, diet, movements, and vital rates for Northern fur seals.	Protected Species	Effects of SSL Measures	Northern Fur Seals	GOA, BSAI	Urgent	Partially Underway
214	Evaluate the impact of seabird bycatch in fisheries on bird populations, and methods to reduce	Assess the extent and impact of seabird bycatch in fisheries on bird populations, and develop methods to reduce seabird bycatch, particularly protected species, such as short-tailed albatross.	Protected Species	Fishery Impacts	Seabirds	GOA, BSAI	Important	Underway
215	Determine potential impacts of fishing activities on marine mammals	Determine potential impacts of fishing activities on marine mammals (e.g., state managed gillnet fisheries), and in particular on North Pacific right whales and the Eastern North Pacific blue whales, particularly in identified critical (NPRW) or essential (NPBW) habitat.	Protected Species	Fishery Impacts	Marine Mammals	GOA, BSAI	Strategic	No Action
249	Assess the movement of Steller sea lions and northern fur seals	Assess the movement of Steller sea lions and northern fur seals in response to environmental variability to understand the spatial changes of predator-prey interactions.	Protected Species	Movement Analysis	Steller Sea Lion and Northern Fur Seal	BSAI	Urgent	Partially Underway
364	Updated sperm whale stock assessment	Updated sperm whale abundance estimates are needed. Sperm whale depredation interactions with longline fisheries have increased, but little is known about sperm whale populations. Updated population estimates and defined PBR's are needed to effectively respond if a take occurs in the longline fishery.	Protected Species	Population Dynamics	Sperm Whale	GOA, BSAI	Urgent	No Action
390	Assess the population status of harbor seals in the Aleutian Islands and determine factors affecting their population trajectories	Assess the population status of harbor seals in the Aleutian Islands and determine factors affecting their population trajectories	Protected Species	Population Dynamics	Harbor Seal	AI	Strategic	No Action

Halibut Priorities

Research ID	Title	Description	Category	Approach	Focus	Ecosystem Area	Council Priority	Research Status
209	Investigate factors affecting the guided angler sector of the halibut fishery	Continue to investigate factors that affect angler demand and trip supply in the guided angler sector of the halibut fishery.	Halibut	Economic Analysis	Rec Angler Demand	GOA, BS	Important	Underway
386	Investigate long term effects of fishing on Pacific halibut	Collect genetic samples for future comparison.	Halibut	Long term Impacts	Fishery Impacts	GOA, BSAI	Strategic	Underway
387	Determine effects of migration on the Pacific halibut population and management	Extend existing analyses of tagging studies to include age-specific components. Continue to evaluate the role of migration in contributing to population dynamics and trends associated with area-specific catch, PSC levels, and downstream effects.	Halibut	Population Dynamics	Migration	GOA, BSAI	Important	Underway
388	Study temporal and spatial patterns in size-at-age of Pacific halibut	Reanalyze historical records of Pacific halibut size-at-age. Requires identifying samples from consistent spatial areas as well as re-ageing of older samples that utilized differing methods for age determination. Relate observed patterns to somatic growth via otolith increment analysis and development of bioenergetics model relating long-term environmental and ecological drivers to halibut size-at-age. Continue to explore the potential role of fishing in observed size-at-age trends via direct or evolutionary pathways and the interaction with size-selective fishing, include these analyses in harvest policy analyses.	Halibut	Spatial Patterns	Size-At-Age	GOA, BSAI	Urgent	Underway

Halibut Priorities

Research ID	Title	Description	Category	Approach	Focus	Ecosystem Area	Council Priority	Research Status
389	Investigate ecosystem effects and inter-species interactions of halibut	Investigate potential ecosystem effects and inter-species interactions on Pacific halibut recruitment and size-at-age. Includes integration of existing IPHC and NOAA trawl survey observations of size-at-age, diet, and population distribution and trends for multiple species in the GOA and BS.	Halibut	Ecosystem Effects	Recruitment and Growth	GOA, BS	Important	Underway
491	Assess dependence and impacts of halibut management actions on communities	Quantitatively and qualitatively examine the suite of engagements, dependencies, and vulnerabilities of halibut dependent communities and impacts of halibut management actions.	Halibut	Dependence	Communities	GOA, BSAI	Urgent	Pending
492	Investigate factors underlying fishery responses to halibut PSC caps	There is need to understand the underlying factors through which industry can adjust its behavior and its corresponding halibut encounter rates, in response to potential changes in halibut PSC caps. Investigations under this category could be conducted in combination with evaluations of alternative management actions for halibut PSC under Research Priority 385.	Halibut	Industry Responses	Bycatch Reduction	GOA, BSAI	Urgent	Pending
493	Examine the relative importance of historical closed areas in the vicinity of the Pribilof Islands as juvenile halibut nursery habitat relative to other regions coast-wide.	Evaluate the biological effects of establishing spatial protections of juvenile halibut from fishing gear on BSAI halibut stock health.	Halibut	Effects of Management	PI Nursery Habitat	BS	Urgent	Pending

Database Issues

Separation of SSC
and Council
Recommendations



ALASKA FISHERIES INFORMATION NETWORK
Alaska Fisheries Information Network
HOME

North Pacific Fishery Management Council: Research Priorities

Query List Reports

Research Priorities Query and Records List [Export](#)

10 records per page Search:

ID	Title	Council/SSC Priority	Research Status	Ecosystem Area	Related Council Action
144	District-wide survey for demersal shelf rockfish in Southeast Alaska	Critical Ongoing Monitoring	No action	Gulf of Alaska	Harvest specifications
145	Continuation of State and Federal annual and biennial surveys	Critical Ongoing Monitoring	Underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Harvest specifications
146	Improve surveys in untrawlable habitat, particularly for rockfish, Atka mackerel, and sculpins	Urgent	Partially underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Harvest specifications
147	Life history research on data poor or non-recovering crab stocks	Important	No action	Bering Sea	Harvest specifications
148	Spatial distribution and movement of crabs relative to life history events and fishing	Urgent	Partially underway	Bering Sea	Harvest specifications
149	Improve handling mortality rate estimates for crab	Important	Partially underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Harvest specifications
150	Maintain the core biological and oceanographic data (e.g., biophysical moorings, stomach data, zooplankton, age 0 surveys) ...	Critical Ongoing Monitoring	Underway	Gulf of Alaska, Bering Sea, Aleutian Islands, Arctic	Ecosystem impacts

Plan Teams -
 Joint Groundfish PT
 Crab PT
 Scallop PT
 Council Actions -
 Ecosystem Area -
 Gulf of Alaska
 Bering Sea
 Aleutian Islands
 Arctic
 Council Priority -
 Research Status -

Database Issues

Old Categories in
Report Generator

The screenshot displays the Alaska Fisheries Information Network website. The header includes the logo and the text "Alaska Fisheries Information Network" and "HOME". The main content area is titled "North Pacific Fishery Management Council: Research Priorities" and features a navigation menu with "Query List" and "Reports". Below this, there are three main sections for generating reports:

- Research Priority Reports by Priority:** Includes buttons for "All", "Low", "Medium", "High", and "Critical".
- Summary Change Report:** Includes a date range selector (two input boxes with "to" between them) and buttons for "View Summary Report" and "Export Summary Report to PDF".
- Detailed Change Report:** Includes a date range selector and buttons for "View Detail Report" and "Export Detail Report to PDF".
- Council Reports:** Includes a date range selector, a button for "Export Council Report", and a checkbox for "Show Priority Changes".

Database Issues

Old Terms in Query Tool



ALASKA FISHERIES INFORMATION NETWORK
Alaska Fisheries Information Network
HOME

North Pacific Fishery Management Council: Research Priorities

Query List Reports

Research Priorities Query and Records List [Export](#)

10 records per page Search:

ID	Title	Council/SSC Priority	Research Status	Ecosystem Area	Related Council Action
171	Acquire basic life history information (e.g., natural mortality, growth, size at maturity) for data-poor stocks	Urgent	Partially underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Harvest specifications
172	Develop and validate aging methods for crabs.	Urgent	Underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Harvest specifications
173	Expand studies to identify stock and management boundaries	Urgent	Partially underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Harvest specifications
228	Conduct studies documenting the subsistence harvest (patterns, norms, quantities) in communities affected by Council actions. ...	Important	Partially underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Fishery Dependent Community Assessments
229	Evaluate the effectiveness of setting ABC and OFL levels for data-poor crab stocks	Urgent	Partially underway	Bering Sea, Aleutian Islands	Harvest specifications
214	Evaluate the impact of seabird bycatch in fisheries on bird populations, and methods to reduce	Important	Underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Other mammal/seabird interactions

Plan Teams

- Joint Groundfish PT
- Crab PT
- Scallop PT

Council Actions

Ecosystem Area

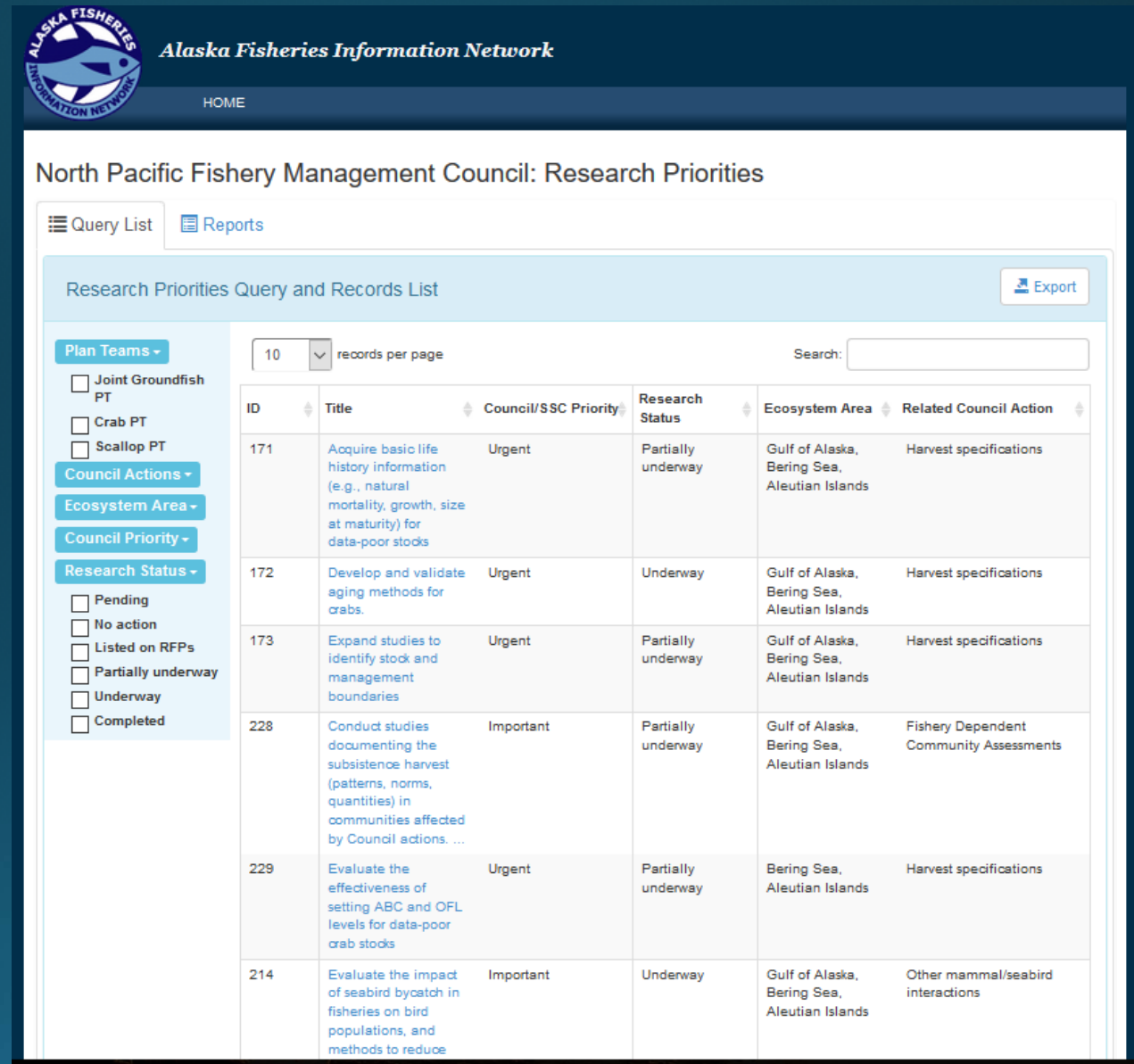
Council Priority

- Critical
- Critical Ongoing Monitoring
- Urgent
- High
- Medium
- Important
- Strategic
- Low
- Pending

Research Status

Database Issues

“Underway” glitch



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North Pacific Fishery Management Council: Research Priorities

Query List Reports

Research Priorities Query and Records List [Export](#)

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Plan Teams ▾

Joint Groundfish PT

Crab PT

Scallop PT

Council Actions ▾

Ecosystem Area ▾

Council Priority ▾

Research Status ▾

Pending

No action

Listed on RFPs

Partially underway

Underway

Completed

ID	Title	Council/SSC Priority	Research Status	Ecosystem Area	Related Council Action
171	Acquire basic life history information (e.g., natural mortality, growth, size at maturity) for data-poor stocks	Urgent	Partially underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Harvest specifications
172	Develop and validate aging methods for crabs.	Urgent	Underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Harvest specifications
173	Expand studies to identify stock and management boundaries	Urgent	Partially underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Harvest specifications
228	Conduct studies documenting the subsistence harvest (patterns, norms, quantities) in communities affected by Council actions. ...	Important	Partially underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Fishery Dependent Community Assessments
229	Evaluate the effectiveness of setting ABC and OFL levels for data-poor crab stocks	Urgent	Partially underway	Bering Sea, Aleutian Islands	Harvest specifications
214	Evaluate the impact of seabird bycatch in fisheries on bird populations, and methods to reduce	Important	Underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Other mammal/seabird interactions

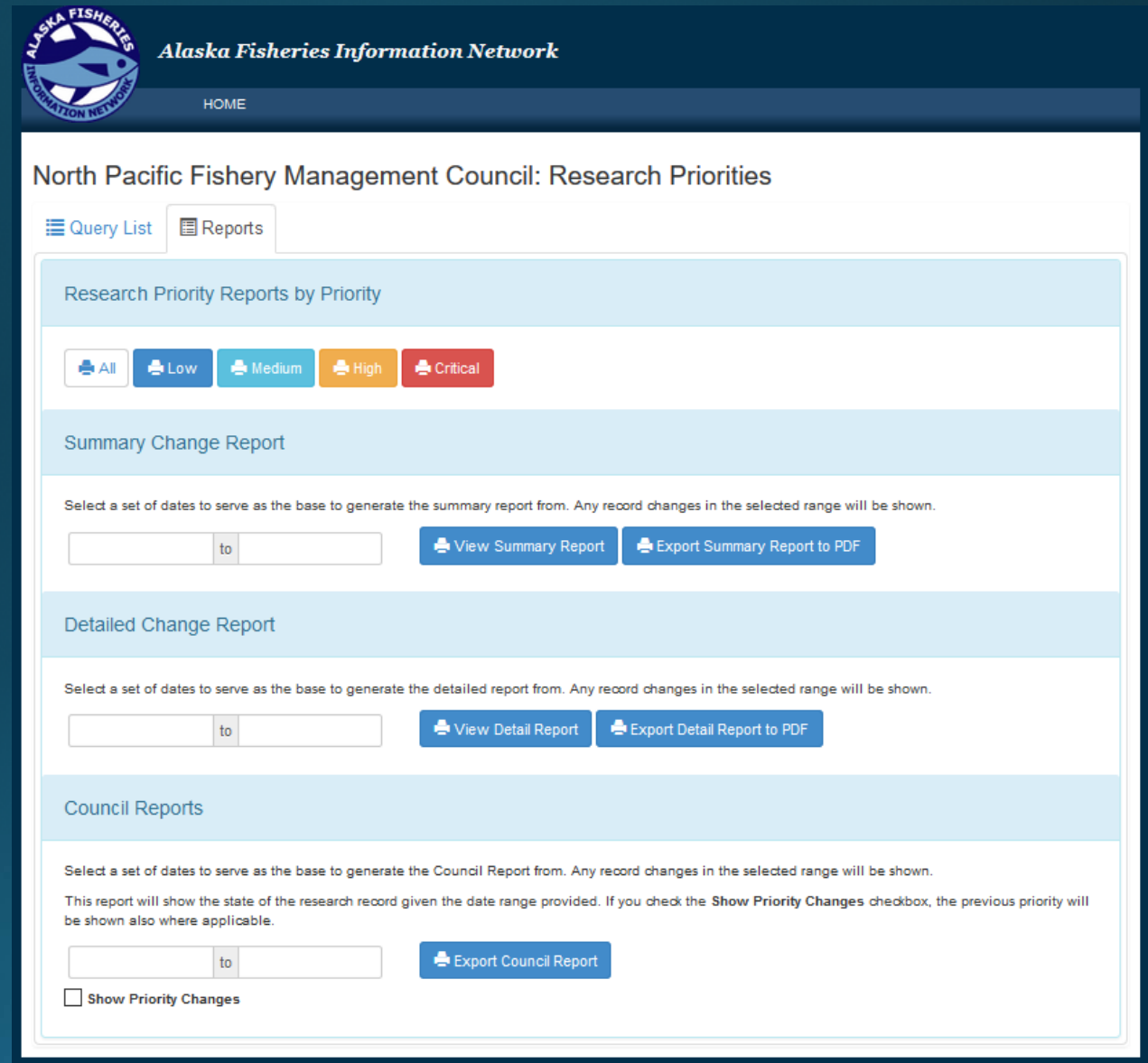
Database Issues

ResearchID	Title	Current Plan Team Priority	Group 1 Priority Edits				Research Status	Group 1 Status Edits			
			Hanselman	Lunsford	Stichert	FINAL		Hanselman	Lunsford	Stichert	FINAL
145	Continuation of State and Federal annual and biennial surveys	Critical	Critical Ongoing Monitoring	Critical Ongoing Monitoring	Critical Ongoing Monitoring	Critical Ongoing Monitoring	Underway	Underway	Underway	Underway	Underway
202	Methods for reliable estimation of total removals	High	Important	Important	Important	Important	Underway	Partially Underway	Partially Underway	Partially Underway	Partially Underway
219	Monitor skate egg case concentrations every 2 to 3 years using non-invasive research design, such as in situ observation	Low	Strategic	Strategic	Strategic	Strategic	No action	No Action	No Action	No Action	No Action
382	Investigate in situ methods of tagging species that experience barotrauma	Low	Strategic	Strategic	Strategic	Strategic	No action	Partially Underway	Partially Underway	Don't Know	Partially Underway
194	Identification and integration of archived data	Medium	Don't Know	Important	Important	Important	Partially underway	Partially Underway	Partially Underway	Partially Underway	Partially Underway
146	Improve surveys in untrawlable habitat, particularly for rockfish, Atka mackerel, and sculpins	Medium	Important	Important	Important	Important	Partially underway	Partially Underway	Partially Underway	Partially Underway	Partially Underway
193	Improve species identification	Medium	Important	Important	Important	Important	Partially underway	Partially Underway	Partially Underway	Partially Underway	Partially Underway
218	Survey capability for forage fish	Medium	Don't Know	Important	Important	Important	Partially underway	Don't Know	No Action	Don't Know	Don't Know
169	Studies on factors that affect catchability particularly for King and Tanner crab	Medium	Don't Know	Don't Know	Important	Important	Underway	Don't Know	Don't Know	Underway	Underway
168	Assess seasonal diets and species interactions of fish and shellfish	Medium	Don't Know	Don't Know	Don't Know	Don't Know	Partially underway	Don't Know	Don't Know	Don't Know	Don't Know
220	Research on survey analysis techniques for species that exhibit patchy distributions	Medium	Important	Important	Important	Important	Partially underway	Partially Underway	Partially Underway	Partially Underway	Partially Underway
221	Collect maturity scans during fisheries that target spawning fish	Pending	Strategic	Strategic	Strategic	Strategic	Underway	Partially Underway	Partially Underway	Partially Underway	Partially Underway
165	Conduct routine surveys of subsistence in the northern Bering Sea and Arctic Ocean	Low	Don't Know	Don't Know	Don't Know	Don't Know	Partially underway	Don't Know	Don't Know	Don't Know	Don't Know
386	Investigate long term effects of fishing on Pacific halibut	Pending	Important	Important	Important	Important	Underway	Don't Know	Don't Know	Don't Know	Don't Know
381	Effects of changes to the observer program	Critical	Urgent	Urgent	Urgent	Urgent	No action	Underway	Underway	Underway	Underway

Multiple Simultaneous Editor Functionality

Database Issues

Open Query
Functionality



The screenshot displays the Alaska Fisheries Information Network website. At the top left is the logo for the Alaska Fisheries Information Network, featuring a fish and the text "ALASKA FISHERIES INFORMATION NETWORK". To the right of the logo is the text "Alaska Fisheries Information Network". Below the logo and text is a navigation bar with a "HOME" link. The main content area is titled "North Pacific Fishery Management Council: Research Priorities". Below the title are two tabs: "Query List" and "Reports". The "Query List" tab is active. The main content area is divided into three sections: "Research Priority Reports by Priority", "Summary Change Report", and "Detailed Change Report". Each section has a date range selector and buttons for "View" and "Export to PDF".

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North Pacific Fishery Management Council: Research Priorities

[Query List](#) [Reports](#)

Research Priority Reports by Priority

[All](#) [Low](#) [Medium](#) [High](#) [Critical](#)

Summary Change Report

Select a set of dates to serve as the base to generate the summary report from. Any record changes in the selected range will be shown.

to [View Summary Report](#) [Export Summary Report to PDF](#)

Detailed Change Report

Select a set of dates to serve as the base to generate the detailed report from. Any record changes in the selected range will be shown.

to [View Detail Report](#) [Export Detail Report to PDF](#)

Council Reports

Select a set of dates to serve as the base to generate the Council Report from. Any record changes in the selected range will be shown.

This report will show the state of the research record given the date range provided. If you check the **Show Priority Changes** checkbox, the previous priority will be shown also where applicable.

to [Export Council Report](#)

Show Priority Changes

Database Issues

Scroll
Functionality



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North Pacific Fishery Management Council: Research Priorities

Query List Reports

Research Priorities Query and Records List [Export](#)

10 records per page Search:

ID	Title	Council/SSC Priority	Research Status	Ecosystem Area	Related Council Action
144	District-wide survey for demersal shelf rockfish in Southeast Alaska	Critical Ongoing Monitoring	No action	Gulf of Alaska	Harvest specifications
145	Continuation of State and Federal annual and biennial surveys	Critical Ongoing Monitoring	Underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Harvest specifications
146	Improve surveys in untrawlable habitat, particularly for rockfish, Atka mackerel, and sculpins	Urgent	Partially underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Harvest specifications
147	Life history research on data poor or non-recovering crab stocks	Important	No action	Bering Sea	Harvest specifications
148	Spatial distribution and movement of crabs relative to life history events and fishing	Urgent	Partially underway	Bering Sea	Harvest specifications
149	Improve handling mortality rate estimates for crab	Important	Partially underway	Gulf of Alaska, Bering Sea, Aleutian Islands	Harvest specifications
150	Maintain the core biological and oceanographic data (e.g., biophysical moorings, stomach data, zooplankton, age 0 surveys) ...	Critical Ongoing Monitoring	Underway	Gulf of Alaska, Bering Sea, Aleutian Islands, Arctic	Ecosystem impacts

Plan Teams -
 Joint Groundfish PT
 Crab PT
 Scallop PT
 Council Actions -
 Ecosystem Area -
 Gulf of Alaska
 Bering Sea
 Aleutian Islands
 Arctic
 Council Priority -
 Research Status -

Action

- Review existing/new research priorities
- Recommend priorities to Council

- Other Issues:
 - Protected Resources
 - Halibut
 - Database

Questions?