

Research ID	Title	New Council / SSC Priority	Plan Team Priority	Research Status	Keywords	Comments
147	Life history research on non-recovering crab stocks	Urgent	Urgent	No action	Fish and Fisheries Monitoring	Merge with 171 and/or re-title :data-poor or non-recovering stocks"
148	Spatial distribution of male snow crab	Urgent	Strategic (Future Needs)	Partially underway	Stock Assessment	Rename as "movement of crabs relative to life history events and fishing"
149	Improve handling mortality rate estimates for crab	Urgent	Important (Near Term)	Partially underway	Fish and Fisheries Monitoring	
150	Maintain the core biological and oceanographic data (e.g., biophysical moorings, stomach data, zooplankton, age 0 surveys) necessary to support integrated ecosystem assessment	Urgent	Strategic (Future Needs)	Underway	Fish and Fisheries Monitoring	
158	Research ecosystem indicators and their thresholds for inclusion in ecosystem-level management strategy evaluation.	Urgent	Strategic (Future Needs)	Partially underway	Stock Assessment	
163	Conduct routine fish, crab, and oceanographic surveys in the northern Bering Sea and Arctic Ocean	Urgent	Important (Near Term)	Partially underway	Fishery Management	
164	Effects of trawling on female red king crab and subsequent recruitment	Urgent	Important (Near Term)	Underway	Crab	
165	Conduct routine surveys of subsistence in the northern Bering Sea and Arctic Ocean	Critical Ongoing Monitoring	Strategic (Future Needs)	Partially underway	Stock Assessment	
167	Alternative approaches to acquire fishery-independent abundance data for Aleutian Islands golden king crab	Urgent	Urgent	Underway	Fish and Fisheries Monitoring	Add "for unsurveyed stocks" and drop "Aleutian Islands"
168	Assess seasonal diets and species interactions of fish and shellfish	Important (Near Term)	Strategic (Future Needs)	Partially underway	Stock Assessment	
169	Studies on factors that affect catchability particularly for King and Tanner crab	Urgent	Important (Near Term)	Underway	Habitat Mapping	
170	Quantitative reproductive index for the surveyed BSAI crab stocks	Urgent	Important (Near Term)	Underway	Basic research on trophic interactions	
171	Acquire basic life history information (e.g., natural mortality, growth, size at maturity) for data-poor stocks	Urgent	Pending	Partially underway	Fishery Management	
172	Develop and validate aging methods for crabs.	Urgent	Strategic (Future Needs)	Underway	Fishery Management	
173	Expand studies to identify stock and management boundaries	Urgent	Important (Near Term)	Underway	Fishery Management	
174	Develop spatially explicit stock assessment models	Urgent	Strategic (Future Needs)	No action*	Function of Habitat	
177	Conduct prospective and retrospective analyses of changes in the spatial and temporal distribution of fishing effort in response to management change	Urgent	Strategic (Future Needs)	Partially underway	Function of Habitat	Add "PSC Management" to keywords
178	Develop a framework for collection of economic information	Urgent	Urgent	Partially underway	Environmental Influences on Ecosystem Processes	
179	Conduct pre- and post-implementation studies of the benefits and costs, and their distribution, associated with dedicated access privileges	Urgent	Important (Near Term)	Partially underway	Fishery Management	
183	Research the role of habitat in population dynamics and ecosystem processes	Urgent	Strategic (Future Needs)	Partially underway	Fish and Fisheries Monitoring	
184	Evaluate efficacy of habitat closure areas and habitat recovery	Important (Near Term)	Strategic (Future Needs)	Partially underway	Fishery Management	

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186	Collect and maintain zooplankton and meroplankton biomass and community composition time series	Important (Near Term)	Strategic (Future Needs)	Partially underway	Habitat Mapping	
190	Collect and maintain time series of ocean pH	Urgent	Important (Near Term)	Underway	Baseline Habitat Assessment	
191	Assess whether changes in pH and temperature would affect managed species, upper level predators, and lower trophic levels.	Urgent	Important (Near Term)	Partially underway	Fish and Fisheries Monitoring, Anthropology, Humans, Salmon, Communities, Subsistence	
194	Identification and integration of archived data	Strategic (Future Needs)	Strategic (Future Needs)	Partially underway	Ecosystem indicator development and maintenance.	
196	Evaluate hybridization of snow and Tanner crabs.	Strategic (Future Needs)	Strategic (Future Needs)	Partially underway	Environmental Influences on Ecosystem Processes	
197	Develop methodologies to monitor for new/emerging diseases and/or parasites among exploited species and higher trophic levels	Strategic (Future Needs)	Strategic (Future Needs)	No action	Fishery Management	
200	Monitor contaminant flux and loads in lower and higher trophic levels, and assess potential for impact on vital rates.	Strategic (Future Needs)	Strategic (Future Needs)	No action	Fish and Fisheries Monitoring	Drop
202	Methods for reliable estimation of total removals	Important (Near Term)	Important (Near Term)	Underway	Fishery Management	
208	Research on stock- recruit relationships	Important (Near Term)	Strategic (Future Needs)	Underway	Fish and Fisheries Monitoring	
216	Assess whether Bering Sea canyons are habitats of particular concern	Strategic (Future Needs)	Strategic (Future Needs)	Partially underway	Fish and Fisheries Monitoring	Drop
220	Research on survey analysis techniques for species that exhibit patchy distributions	Important (Near Term)	Strategic (Future Needs)	Partially underway	Ecosystem indicator development and maintenance.	
223	Develop and evaluate global climate change models (GCM) or downscaled climate variability scenarios to assess impacts to recruitment, growth, and spatial distributions.	Important (Near Term)	Strategic (Future Needs)	Underway	Environmental Influences on Ecosystem Processes	
224	Climate and oceanographic information covering a wider range of seasons	Important (Near Term)	Strategic (Future Needs)	Partially underway	Environmental Influences on Ecosystem Processes	
226	Continue to evaluate the economic effects from fishery policy changes on coastal communities.	Urgent	Important (Near Term)	Partially underway	Fishery Management	
229	Evaluate the effectiveness of setting ABC and OFL levels for data-poor crab stocks	Critical Ongoing Monitoring	Strategic (Future Needs)	Partially underway	Fish and Fisheries Monitoring	
230	Examine social and economic interactions between coastal communities and commercial and recreational fisheries	Urgent	Important (Near Term)	Underway	Fishery Management	
232	Develop management strategy evaluations that incorporate changing climate and market economic conditions.	Important (Near Term)	Important (Near Term)	Underway	Ecosystem indicator development and maintenance.	
233	Develop an ongoing database of product inventories	Important (Near Term)	Strategic (Future Needs)	No action	Ecosystem indicator development and maintenance.	
234	Analyze current determinants of demand for principal seafood products	Important (Near Term)	Strategic (Future Needs)	Partially underway	Ecosystem indicator development and maintenance.	
237	Improved habitat maps	Important (Near Term)	Strategic (Future Needs)	Underway	Ecosystem indicator development and maintenance. , Stock Assessment	
238	Develop a GIS relational database for habitat, to include a historical time series of the spatial intensity of interactions between commercial fisheries and habitat.	Important (Near Term)	Important (Near Term)	Underway	Fishing Effects on Habitat	
240	Develop a multivariate index of the climate forcing of the Bering Sea shelf	Important (Near Term)	Strategic (Future Needs)	Partially underway	Stock Assessment	
241	Develop bottom and water column temperature database and indices	Important (Near Term)	Critical Ongoing Monitoring	Partially underway	Stock Assessment	rename to "collect bottom and water column temperature data"
242	Collect and maintain primary production time series	Important (Near Term)	Strategic (Future Needs)	Partially underway	Evaluate habitats of particular concern	

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249	Assess the movement of Steller sea lions, northern fur seals, Tanner crab, snow crab, and Pacific cod	Critical Ongoing Monitoring	Urgent	Partially underway	Stock Assessment	
250	Conduct ecosystem structure studies	Urgent	Strategic (Future Needs)	Partially underway	Stock Assessment	
367	Continue to improve stock assessment methodology with respect to uncertainty	Urgent	Important (Near Term)	Underway	Fishery Management	
391	Investigate spatial stock dynamics and population connectivity for Tanner Crab (2 stocks)	Important (Near Term)	Urgent	Pending	Stock Assessment	absorbed into 148
431	Develop tools for analyzing coastal community vulnerability to fisheries management changes	Urgent	Critical Ongoing Monitoring	Underway	Stock Assessment	
NNN	Develop assessment methods for data-poor and data-moderate stocks		Important (Near Term)	No action	Stock Assessment	