

Research ID	Title
190	Collect and maintain time series of ocean pH
241	Develop bottom and water column temperature database and indices
145	Continuation of State and Federal annual and biennial surveys
148	Spatial distribution and movement of crabs relative to life history events and fishing
167	Alternative approaches to acquire fishery-independent abundance data for for unsurveyed crab stocks.
531	Collect growth data for Bering Sea crab stocks
178	Develop a framework and collect economic information
235	Investigate gear modifications and changes in fishing practices to reduce bycatch and PSC
367	Continue to improve stock assessment methodology with respect to uncertainty
532	Natural mortality estimation for crab stocks
592	Maturity estimates for Bering Sea and Aleutian Island crab stocks
147	Life history research on data poor or non-recovering crab stocks
196	Genetics, population dynamics, and management implications of hybridization between Tanner and snow crab in the Bering Sea.
554	Molt and mate timing for Norton Sound red king crab
173	Expand studies to identify stock and management boundaries
226	Monitor the economic effects from fishery policy changes on coastal communities.
163	Conduct routine fish, crab, and oceanographic surveys in the northern Bering Sea and Arctic Ocean
174	Develop spatially explicit stock assessment models
240	Develop a multivariate index of the climate forcing of the Bering Sea shelf
184	Evaluate efficacy of habitat closure areas and habitat recovery
191	Assess whether changes in pH and temperature would affect managed species, upper level predators, and lower trophic levels.
179	Conduct pre- and post-implementation studies of the benefits and costs, and their distribution, associated with dedicated access privileges
164	Effects of trawling on female red king crab and subsequent recruitment
169	Studies on factors that affect catchability particularly for King, Snow, and Tanner crab
170	Quantitative reproductive index for the BSAI crab stocks
172	Develop and validate aging methods for crabs.
217	Impact of fisheries on benthic habitat and trophic interactions
220	Research on survey analysis techniques for species that exhibit patchy distributions
232	Develop management strategy evaluations that incorporate changing climate and economic conditions and impacts to coastal communities.
431	Develop tools for analyzing coastal community vulnerability to fisheries management changes
251	Modeling studies of ecosystem productivity

150	Maintain the core biological and oceanographic data (e.g., biophysical moorings, stomach data, zooplankton, age 0 surveys, benthic production) necessary to support integrated ecosystem assessment
233	Develop an ongoing database of product inventories
149	Improve handling mortality rate estimates for crab
250	Conduct ecosystem structure studies
158	Research ecosystem indicators and their thresholds for inclusion in ecosystem-level management strategy evaluation.
183	Research the role of habitat in population dynamics and ecosystem processes
242	Collect and maintain primary production time series
177	Conduct prospective and retrospective analyses of changes in the spatial and temporal distribution of fishing effort in response to management and environmental changes
194	Identification and integration of archived data
197	Develop methodologies to monitor for new/emerging diseases and/or parasites among exploited species and higher trophic levels
225	Development of projection models to evaluate management strategies under varying environmental and ecological conditions.
234	Analyze current determinants of demand for principal seafood products
223	Develop and evaluate global climate change models (GCM) or downscaled climate variability scenarios to assess impacts to recruitment, growth, and spatial distributions.
224	Climate and oceanographic information covering a wider range of seasons
186	Collect and maintain zooplankton and meroplankton biomass and community composition time series
208	Research on stock- recruit relationships
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.
237	Improved habitat maps
614	Expansion of catch in areas database to include BSAI and GOA crab and scallop fishing.
613	Maintain and update coupled biophysical projections for the North Pacific
611	Collection of socio-economic information
612	Maintain observer program
535	Development and evaluation of data poor and data moderate methods

Council/SSC Priority	Crab Plan Team Priority	Research Status
Critical Ongoing Monitoring	Critical Ongoing Monitoring	Partially underway
Important	Critical Ongoing Monitoring	Partially underway
Critical Ongoing Monitoring	Critical Ongoing Monitoring	Underway
Important	Urgent	Partially underway
Urgent	Urgent	Partially underway
Urgent	Urgent	Partially underway
Urgent	Urgent	Partially underway
Urgent	Urgent	Partially underway
Urgent	Urgent	Underway
Important	Important	No action
Urgent	Important	No action
Important	Important	Partially underway
Strategic	Important	Partially underway
Important	Important	Partially underway
Urgent	Important	Partially underway
Critical Ongoing Monitoring	Important	Partially underway
Critical Ongoing Monitoring	Important	Partially underway
Urgent	Important	Partially underway
Important	Important	Partially underway
Important	Important	Partially underway
Strategic	Important	Partially underway
Urgent	Important	Partially underway
Important	Important	Underway
Important	Important	Underway
Urgent	Important	Underway
Urgent	Important	Underway
Urgent	Important	Underway
Important	Important	Underway
Urgent	Important	Underway
Important	Important	Underway
Important	Important	Underway

Council
space
project

Critical Ongoing Monitoring	Important	Underway
Strategic	Strategic	No action
Important	Strategic	Partially underway
Important	Strategic	Partially underway
Important	Strategic	Partially underway
Important	Strategic	Partially underway
Strategic	Strategic	Partially underway
Strategic	Strategic	Partially underway
Strategic	Strategic	Partially underway
Strategic	Strategic	Partially underway
Urgent	Strategic	Partially underway
Strategic	Strategic	Partially underway
Strategic	Strategic	Partially underway
Strategic	Strategic	Partially underway
Strategic	Strategic	Partially underway
Strategic	Strategic	Partially underway
Critical Ongoing Monitoring	Strategic	Partially underway
Urgent	Strategic	Underway
Strategic	Strategic	Underway
Important	Strategic	Underway
Important	Pending	No action
Strategic	Pending	Partially underway
Critical Ongoing Monitoring	Pending	Partially underway
Critical Ongoing Monitoring	Pending	Underway
Strategic	Pending	Underway

mn C is hidden in the interest of conserving
e. That column contains a *description* of each
ect that is more detailed than the project title.

Research ID	Title
190	Collect and maintain time series of ocean pH
241	Develop bottom and water column temperature database and indices
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Council/SSC Priority	Crab Plan Team Priority	Research Status
Critical Ongoing Monitoring	Critical Ongoing Monitoring	Partially underway
Important	Critical Ongoing Monitoring	Partially underway
Critical Ongoing Monitoring	Critical Ongoing Monitoring	Underway
Strategic	Strategic	No action
Important	Strategic	Partially underway
Important	Strategic	Partially underway
Important	Strategic	Partially underway
Important	Strategic	Partially underway
Strategic	Strategic	Partially underway
Strategic	Strategic	Partially underway
Strategic	Strategic	Partially underway
Urgent	Strategic	Partially underway
Strategic	Strategic	Partially underway
Strategic	Strategic	Partially underway
Strategic	Strategic	Partially underway
Strategic	Strategic	Partially underway
Strategic	Strategic	Partially underway
Critical Ongoing Monitoring	Strategic	Partially underway
Urgent	Strategic	Underway
Strategic	Strategic	Underway
Important	Strategic	Underway

Unless
import
for the

Column
space.
project

their priority is changed to urgent or
important, projects on this sheet are not considered
Council's "top ten".

Column C is hidden in the interest of conserving
space. That column contains a *description* of each
project that is more detailed than the project title.

Research ID	Title	CPT Priority
148	Spatial distribution and movement of crabs relative to life history events and fishing	Urgent
167	Alternative approaches to acquire fishery-independent abundance data for for unsurveyed crab stocks.	Urgent
531	Collect growth data for Bering Sea crab stocks	Urgent
178	Develop a framework and collect economic information	Urgent
235	Investigate gear modifications and changes in fishing practices to reduce bycatch and PSC	Urgent
367	Continue to improve stock assessment methodology with respect to uncertainty	Urgent
532	Natural mortality estimation for crab stocks	Important
592	Maturity estimates for Bering Sea and Aleutian Island crab stocks	Important
147	Life history research on data poor or non-recovering crab stocks	Important
196	Genetics, population dynamics, and management implications of hybridization between Tanner and snow crab in the Bering Sea.	Important
554	Molt and mate timing for Norton Sound red king crab	Important

173	Expand studies to identify stock and management boundaries	Important
226	Monitor the economic effects from fishery policy changes on coastal communities.	Important
163	Conduct routine fish, crab, and oceanographic surveys in the northern Bering Sea and Arctic Ocean	Important
174	Develop spatially explicit stock assessment models	Important
240	Develop a multivariate index of the climate forcing of the Bering Sea shelf	Important
184	Evaluate efficacy of habitat closure areas and habitat recovery	Important
191	Assess whether changes in pH and temperature would affect managed species, upper level predators, and lower trophic levels.	Important
179	Conduct pre- and post-implementation studies of the benefits and costs, and their distribution, associated with dedicated access privileges	Important
164	Effects of trawling on female red king crab and subsequent recruitment	Important
169	Studies on factors that affect catchability particularly for King, Snow, and Tanner crab	Important
170	Quantitative reproductive index for the BSAI crab stocks	Important

172	Develop and validate aging methods for crabs.	Important
217	Impact of fisheries on benthic habitat and trophic interactions	Important
220	Research on survey analysis techniques for species that exhibit patchy distributions	Important
232	Develop management strategy evaluations that incorporate changing climate and economic conditions and impacts to coastal communities.	Important
431	Develop tools for analyzing coastal community vulnerability to fisheries management changes	Important
251	Modeling studies of ecosystem productivity	Important
150	Maintain the core biological and oceanographic data (e.g., biophysical moorings, stomach data, zooplankton, age 0 surveys, benthic production) necessary to support integrated ecosystem assessment	Important

CPT Priority (Updated)	Research Status	Research Status (Updated)
	Partially underway	
	Partially underway	
	Partially underway	
	Partially underway	
	Partially underway	
	Underway	
	No action	
	No action	
	Partially underway	
	Partially underway	
	Partially underway	

Projects on this sh
the CPT's recomm
Council's "top ten"

	Partially underway	
	Partially underway	
	Partially underway	
	Partially underway	
	Partially underway	
	Partially underway	
	Partially underway	
	Partially underway	
	Underway	
	Underway	
	Underway	

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meet are to be considered for
ended inclusion in the
". Pick 3-5 projects.

Column C is hidden in the interest of c
space. That column contains a descrip
each project that is more detailed than
project title.

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n the

Research ID	Title	CPT Priority
614	Expansion of catch in areas database to include BSAI and GOA crab and scallop fishing.	Pending
613	Maintain and update coupled biophysical projections for the North Pacific	Pending
611	Collection of socio-economic information	Pending
612	Maintain observer program	Pending
535	Development and evaluation of data poor and data moderate methods	Pending
New		
New		
New		
New		
New		

CPT Priority (Updated)	Research Status	Research Status (Updated)
	No action	
	Partially underway	
	Partially underway	
	Underway	
	Underway	

Please re-categorize sheet from "partially underway" to "no action" for four priority categories.

Column C is high priority conserving space for a description of more detailed information.

gorize projects on this
ending" to one of the
ategories.

dden in the interest of
ace. That column contains
of each project that is
than the project title.