

# North Pacific Fishery Management Council

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## FINAL

### ADVISORY PANEL MINUTES North Pacific Fishery Management Council January 30 - February 2, 2012 Seattle, Washington

The following (19) members were present for all or part of the meetings:

Kurt Cochran  
Craig Cross  
Julianne Curry  
Jerry Downing  
Tom Enlow  
Tim Evers  
Jeff Farvour  
Becca Robbins Gisclair

Jan Jacobs  
Alexus Kwachka  
Craig Lowenberg  
Chuck McCallum  
Matt Moir  
Theresa Peterson  
Ed Poulsen  
Neil Rodriguez

Lori Swanson  
Anne Vanderhoeven  
Ernie Weiss

*Absent: Andy Mezirow,  
John Crowley*

Minutes of the December 2011 meeting were approved.

#### **Election of Officers**

The Advisory Panel approved Tom Enlow as Chair and Lori Swanson and Becca Robbins Gisclair as co-vice Chairs for 2012.

#### **C-2 Halibut PSC in GOA – Initial Review Analysis**

The current analysis package only considers reductions to PSC limits and does not include tools for industry to accomplish PSC reductions while maintaining harvest levels. For this reason, the AP recommends that the analysis be revised to include options to:

- Tie PSC reductions to halibut stock status (floating cap)
- Allow some portion of unused PSC (50-100%) to roll from one year to the next
- Develop individual bycatch quotas for groundfish participants based on catch history.
- Allow Amendment 80 sideboards to roll from season to season, and manage Am 80 5<sup>th</sup> season sideboards as aggregate (not separated into deep- and shallow-water complexes).
- Include an option for a sector split of the trawl halibut PSC cap between CVs and CPs.

The AP recommends that the document not be released for public review.

*Motion passed 11-8.*

The following substitute motion failed 8-11:

The AP recommends the Council move this analysis forward with the following additions:

Alternative 2, Option 2:

Suboption 1:

Add (d) 20 percent

Suboption 2:

Add (d) 20 percent

Suboption 3:

Add (d) 20 percent

Add Suboption (applied to suboptions 1-3): 10% reduction in year 1, an additional 5% in year 2 and another 5% in year 3 (total reduction = 20%).

Incorporate the following in the analysis:

- Incorporate new IPHC data and other bluebook information.
- Look at individual vessel bycatch rates in specific fisheries to assist in determining whether bycatch is a random event or whether fishing behavior is a factor (i.e. are there boats with consistently high bycatch rates).
- Include history of halibut bycatch reductions in the H&L CP sector.

Minority Report on C-2: The undersigned minority supported the substitute motion. The minority felt that action must be taken to reduce halibut PSC limits in the Gulf of Alaska. Review of the IPHCs current and retrospective status of the halibut stocks indicates a clear need to protect the halibut resource. Uncertainty surrounding overall stock health, low exploitable biomass, and slow growth rates warrants a precautionary approach to halibut removals. Inadequate reductions in total removals of halibut may threaten the rebuilding potential of halibut stocks.

The directed commercial and charter halibut fisheries have taken significant reductions in allowable harvest over the past decade. Gulf regulatory areas (2C, 3A, 3B) experienced a 50% total reduction in allowable harvest by the directed commercial fishery from 2002 to 2011 while the 2C charter halibut fleet was reduced to the bottom GHL stairstep in 2011. The dynamics of the directed and non-directed halibut fisheries have changed significantly, while the PSC limits for Gulf of Alaska trawl and fixed gear fleets have remained at the levels set in 1986 and 1995 respectively.

Signed by: Ernie Weiss, Becca Robbins Gisclair, Chuck McCallum, Theresa Peterson, Tim Evers, Jeff Favour, Alexis Kwachka, Julianne Curry

### **C-3(a) Pribilof Island blue king crab rebuilding**

The AP recommends that the Council delay final action on Pribilof Island blue king crab bycatch management to allow input from the SSC and the Crab Plan Team.

The AP recommends modifying Alternative 6 as shown in **bold**.

Component 2. Triggered closure of the area representing the distribution of the PIBKC stock between 1984-2009 (See Figure 10-3). The PSC associated with this closure is established as a fishery-wide level at 75% of the ABC (currently this equates to a cap of 1,726 lbs or 646 crab). This PSC cap is then further allocated as follows:

**Option 1.** To sectors by gear type as follows:

Trawl Gear – 45% of trigger cap

Pot Gear – 45% of trigger cap

H&L Gear – 30% of trigger cap

Under the current 2011/12 ABC this would equate to cap levels by sectors as indicated in the table below (in lb and numbers of crab):

Gear type	% allocation	Cap (lb)	Cap (numbers of crab)
Trawl	45%	777	291
Pot	45%	777	291
Hook and Line	30%	518	194

**Option 2. Seasonally to all fisheries in aggregate. Any unused PSC will roll to the following season.**

- a) 25 % to first quarter, 25% to second quarter, 50% to last half of year
- b) 50% to first half of year, 50% to last half of year
- c) 75% to first half of year, 25% to second half of year

Further, the AP recommends that bycatch caps be managed as a number of crab, based on the average weight of PIBKC over the last five years.

The AP emphasizes the importance of precision in bycatch estimates, and requests continued development of census reporting of PIBKC bycatch.

The AP recommends that the Council request staff include a discussion of the following documents in the EA:

- Declaration of Commercial Fishery Failure, 2000
- SSC Minutes of April 10-12, 2000
- Declaration of Overfishing Status for PIBKC, September 5, 2002

The AP requests that the stock boundary for PIBKC be refined to reflect the true distribution of the Pribilof Island blue king crab resource with input from the Crab Plan Team and the SSC.

*Motion passed 18-0.*

### **C-3(c) Tanner Crab Rebuilding**

The AP comments that we are encouraged by the progress made regarding the *bairdi* model which will help as we move forward with a rebuilding plan. The AP credits much of this progress to the recent Crab Modeling Workshop and encourages this forum to occur in the future as necessary to address crab modeling issues.

*Motion passed 18-0.*

### **C-3(e) Crab Economic Data Reporting**

The AP recommends that a modified Alternative 3 (attached) be moved forward for final action to revise catcher vessel and catcher processor EDR forms. The AP further recommends that alternative 3, also attached, be moved forward for final action to revise the shore based processor and floating processor EDR forms. Finally, the AP recommends that general regulations be developed to implement this collection, with all forms (and any form revisions) subject to revision in the Council process.

*Motion passed 14-4.*

Note: The only changes made under the AP's modified Alternative 3 motion to catcher vessel and catcher processor EDR forms from Alternative 3 were to exclude "All unique captain and crew contracts and settlement sheets" and to include "crew license number/CFEC permit number".

*Minority Report: A minority of the AP did not support this motion because they felt that the alternative selected would not provide the data necessary to reach the original goals of the crab EDR program of assessing the effects and impacts of crab rationalization. While the minority agrees with the premise of eliminating redundant or unusable data elements, the minority was not comfortable with removing a significant number of data elements at this time. The minority supported an approach of developing better ways to collect necessary data elements which are not accurately collected rather than simply eliminating key data collection elements.*

*Signed by: Becca Robbins Gisclair, Chuck McCallum, Theresa Peterson, Alexis Kwachka*

#### **C-4(a) Trawl Sweep Modifications**

The AP recommends that the Council move the analysis forward on a normal timeline and send it out for public review.

*Motion passed 19-0.*

#### **C-4(b) HAPC – Skate Egg Concentration Sites**

The AP recommends that the analysis not be sent out at this time. The analysis should be expanded to include:

- Longer history of fishing in proposed sites
- Further discussion with NMFS enforcement on ability to minimize closure size
- Economic analysis of impacts of actual proposed closure site, including buffer(s)
- Options for circular closures centered on highest density
- Discussion of sites in other areas (BS, AI, GOA)
- Further explanation of the calculation used to estimate total number of sites
- Further explanation of how density of eggs is determined
- A table including sites, species, casing density, population trend, fisheries in the site and amount of fish caught in site.
- Actual bycatch of egg casings by gear type in each site
- Actual impact of fishing gear on the habitat
- Clarification of process for modifying fishing restrictions in HAPC sites

The AP also encourages the analysts to work with fishing industry members to better identify and explain the importance of the sites to fisheries, and issues related to the effects of potential closures.

*Motion passed 19-0.*

#### **C-4(c) BBRKC Spawning Area/Fishery Effects**

The AP recommends that the Council request that the discussion paper be brought back after the nearshore survey work in 2012 can be incorporated, and after the Crab Plan Team can address this issue.

*Motion passed 19-0.*

### **D-1(b) GOA Pollock D-season**

The AP recommends that the Council take no further action on this issue.

*Motion passed 17-1.*

### **D-1(c) AFA Vessel Replacement on GOA Sideboards**

The AP recognizes the need to clarify ambiguities in the effect of the AFA vessel replacement language highlighted by staff in the discussion paper.

The AP recommends that the Council develop a purpose and need statement and request staff initiate analysis of the following alternatives:

1. To fish in the GOA, a replaced/rebuilt vessel must:
  - Option 1. Be within the MLOA specified on their GOA LLP at the time the legislation was approved
  - Option 2. Be within the MLOA specified on both their GOA and BSAI LLPs at the time the legislation was approved
  - Option 3. Abide by current 10% limit on increase in existing length, horsepower and tonnage as of the time of the legislation and may not exceed 125 feet.
2. If the replaced vessel did not have a GOA LLP at the time of the legislation, the replacement vessel is not eligible to fish in GOA.
3. Upon removal of an exempted vessel, the sideboard exemption is extinguished and cannot be transferred to another vessel.

The analysis should address the possibility that a replacement vessel could exceed the 125-foot limit on exempt vessels contained in the current AFA regulation.

*Motion passed 19-0.*

### **D-1(d) BSAI Flatfish Specification Flexibility**

The AP recommends that the Council move this issue forward for analysis, and ask staff to further develop options to maximize flatfish harvesting flexibility, with input from participants in the affected fisheries. The options should insure harvest by species is below ABC limits, and should not pre-empt flatfish harvests in other sectors.

*Motion passed 17-1.*

### **D-2 Staff Tasking**

The AP recommends that the Council initiate the process of updating the Programmatic SEIS by scheduling a scoping meeting and requesting staff to prepare a discussion paper.

*Motion passed 19-0.*

The AP recommends that the Council encourage NOAA to facilitate the development of integratable software to use with navigational systems onboard vessels.

*Motion passed 17-0.*

The AP recommends that the Council develop EDR programs for all federal fisheries to facilitate the development of baseline data.

*Motion passed 12-5.*

The AP supports continued efforts by the Council to improve electronic communication.

*Motion passed 18-0.*

Data type	Data element	Alt 1. (status quo)	Alt 2.	Alt 3.	Modified Alt 3.
Fishing data	Fish ticket number	all crab fisheries	-	-	-
	Days fishing	by crab fishery	-	-	-
	Days traveling (from port to grounds) and offloading	by crab fishery			
Deliveries and revenues	Landings by share type - pounds	by crab fishery	by crab fishery	by crab fishery	by crab fishery
	Deadloss by share type - pounds	by crab fishery		-	-
	Landings by share type - revenues	by crab fishery	by crab fishery	by crab fishery	by crab fishery
	Vessel owner's IFQ used on the vessel by share type	by crab fishery	-	-	-
	Vessel owner's IFQ used on other vessels by share type				
	Leased quota by share type - pounds	by crab fishery	by crab fishery	by crab fishery- arms length monetary payments only	by crab fishery- arms length monetary payments only
	Leased quota by share type - cost				
Leased quota by share type - crew contributing shares	by crab fishery	aggregated all crab fisheries- count of crew leasing			
Crew	Number of crew by fishery	by crab fishery	-	-	-
	Payments to crew	by crab fishery	by crab fishery	by crab fishery	by crab fishery
	Payments to captain	by crab fishery	by crab fishery, check box for skipper/owners	by crab fishery	by crab fishery
	Labor payment details - charges and deductions	in all crab fisheries			
	All unique captain and crew contracts and settlement sheets		by crab fisheries	by crab fisheries	-
	Revenue shares - owner/crew/captain	by crab fishery	-	-	-
	Crew license number/CFEC permit number	aggregated across all crab fisheries	aggregated across all crab fisheries	-	aggregated across all crab fisheries
	Insurance premium - crab only	aggregated across all crab fisheries and aggregated across all fisheries	-	-	-
	Paid deductibles - crab only	aggregated across all crab fisheries	-	-	-
	Pot purchases - number	aggregated for all crab fisheries	aggregated all fisheries new pots only		
	Pot purchases - cost				
	Pot purchases - location	aggregated for all crab fisheries	-	-	-
	Line and other gear purchases - costs	aggregated for all crab fisheries			
	Line and other gear purchases - location	aggregated for all crab fisheries	-	-	-
	Bait used - species/pounds by fishery	by crab fishery	-	-	-
	Bait used - species/cost by fishery				

Data type	Data element	Alt 1. (status quo)	Alt 2.	Alt 3.	Modified Alt 3.
Crab costs	Bait used - purchase location by fishery	by crab fishery	-	-	-
	Fuel used - gallons by fishery	by crab fishery		by crab fishery (gallons only)	by crab fishery (gallons only)
	Fuel used - cost by fishery			-	-
	Fuel used - purchase location by fishery	by crab fishery	-	-	-
	Food and provisions - costs	aggregated across all crab fisheries	-		
	Other crew expenses	aggregated for all crab fisheries	-		
	Freight costs for landed crab	aggregated for all crab fisheries	-		
	Storage, wharfage, delivery costs for gear	aggregated for all crab fisheries	-		
	Observer costs - by fishery	by crab fishery	-	-	-
	Landing taxes and fees	aggregated across all crab fisheries	-	-	-
	Cooperative fees	aggregated across all crab fisheries	-	-	-
	Other expenses	aggregated across all crab fisheries	-	-	-
Vessel costs	Vessel and equipment investment - cost	aggregated across all fisheries (excluding exclusively non-crab costs)	aggregated all fisheries, including R&M		
	Vessel and equipment investment - location	aggregated across all fisheries	-	-	-
	Repair and maintenance - costs	aggregated across all fisheries	-	-	-
	Repair and maintenance - location	aggregated across all fisheries	-	-	-
	Insurance premium	aggregated across all fisheries	Aggregated All Fisheries	-	-
	Fuel - gallons and cost			aggregated all fisheries	aggregated all fisheries
	Fuel, lubrication, fluids - annual - cost	aggregated across all fisheries	Aggregated All Fisheries	-	-
	Fuel, lubrication, fluids - annual - location	aggregated across all fisheries	-	-	-
	Other vessel specific costs	aggregated across all fisheries	-	-	-
All activities	Days at sea - all activities	aggregated across all activities	-	-	-
	Gross revenues - all activities	aggregated across all activities	aggregated across all activities	-	-
	Pounds - all fisheries	aggregated across all fisheries	-	-	-
	Tendering			checkbox	checkbox
	Labor cost - all activities	aggregated across all activities	aggregated across all activities	aggregated across all activities	aggregated across all activities



Data type	Data element	Alt 1. (status quo)	Alt 2.	Alt 3.	Modified Alt 3.
Fishing Data	Dates covered (days in the fishery)	by crab fishery			
	Days fishing	by crab fishery	-	-	-
	Days traveling (from port to grounds) and offloading	by crab fishery			
	Days processing	by crab fishery			
Deliveries and revenues - for operations as a catcher vessel	Landings by share type - pounds	-	by crab fishery	by crab fishery	by crab fishery
	Landings by share type - revenues	-	by crab fishery	by crab fishery	by crab fishery
Production	Raw crab processed by fishery	by crab fishery			
	Product and processed pounds by fishery	by crab fishery			
	Production - crab size and grade	by crab fishery			
	Production - box size	by crab fishery			
	Production - finished pounds	by crab fishery			
	Production - custom processing identifier	by crab fishery			
Revenues	Sales to affiliates/non-affiliates by species - product/process	by crab fishery	by crab fishery	by crab fishery	by crab fishery
	Sales to affiliates/non-affiliates by species - crab size and grade	by crab fishery	by crab fishery		
	Sales to affiliates/non-affiliates by species - box size and finished pounds	by crab fishery	by crab fishery	by crab fishery (use box size categories)	by crab fishery (use box size categories)
	Sales to affiliates/non-affiliates by species - revenues (fob)	by crab fishery	by crab fishery	by crab fishery - FOB Alaska	by crab fishery - FOB Alaska
	Custom processing by species/product/process	by crab fishery	by crab fishery	by crab fishery (include pounds raw and pounds of product)	by crab fishery (include pounds raw and pounds of product)
	Custom processing revenues	by crab fishery	by crab fishery	by crab fishery	by crab fishery
IFQ	Vessel owner's IFQ used on the vessel by share type	by crab fishery	-	-	-
	Vessel owner's IFQ used on other vessels by share type				
	Leased quota by share type - pounds	by crab fishery	by crab fishery	by crab fishery- arms length monetary payments only	by crab fishery- arms length monetary payments only
	Leased quota by share type - cost				
	Leased quota by share type - crew contributing shares	by crab fishery	aggregated all crab fisheries- count of crew leasing	-	-

Data type	Data element	Alt 1. (status quo)	Alt 2.	Alt 3.	Modified Alt 3.
Crew	Number of harvest crew by fishery	by crab fishery	-	-	-
	Payments to captain	by crab fishery	by crab fishery -check box for skipper/owners	by crab fishery	by crab fishery
	Payments to harvest crew	by crab fishery	by crab fishery	by crab fishery	by crab fishery
	Harvest labor payment details - charges and deductions	in all crab fisheries			
	Number of crew paid based on processing work	by crab fishery			
	Average processing positions by fishery	by crab fishery			
	Total processing labor payments	by crab fishery	by crab fishery	by crab fishery	by crab fishery
	All unique captain and crew contracts and settlement sheets		by crab fisheries	by crab fisheries	-
	Crew license number/CFEC permit number	aggregated across all crab fisheries	aggregated across all crab fisheries	-	aggregated across all crab fisheries
	Crab processing employees by residence	aggregated across all crab fisheries	aggregated across all crab fisheries	-	-
Custom processing services purchased	Custom processing services purchased - raw pounds	by crab fishery	by crab fishery	by crab fishery	by crab fishery
	Custom processing services purchased - product and process	by crab fishery	by crab fishery	by crab fishery	by crab fishery
	Custom processing services purchased - size and grade	by crab fishery			
	Custom processing services purchased - box size	by crab fishery			
	Custom processing services purchased - finished pounds	by crab fishery	by crab fishery	by crab fishery	by crab fishery
	Custom processing services purchased - processing fee	by crab fishery	by crab fishery	by crab fishery	by crab fishery
Crab purchases	Raw crab purchases by fishery - ifq type	by crab fishery	by crab fishery	by crab fishery	by crab fishery
	Raw crab purchases by fishery - size and grade	by crab fishery			
	Raw crab purchases by fishery - pounds	by crab fishery	by crab fishery	by crab fishery	by crab fishery
	Raw crab purchases by fishery - gross payments	by crab fishery	by crab fishery	by crab fishery	by crab fishery

Data type	Data element	Alt 1. (status quo)	Alt 2.	Alt 3.	Modified Alt 3.
Crab costs	Insurance premium - crab only	aggregated across all crab fisheries	-	-	-
	Paid deductibles - crab only	aggregated across all crab fisheries	-	-	-
	Pot purchases - number	aggregated for all crab fisheries	aggregated all fisheries new pots only	-	-
	Pot purchases - cost				
	Pot purchases - location	aggregated for all crab fisheries	-	-	-
	Line and other gear purchases - costs	aggregated for all crab fisheries	-	-	-
	Line and other gear purchases - location	aggregated for all crab fisheries	-	-	-
	Bait used - species/pounds by fishery	by crab fishery	-	-	-
	Bait used - species/cost by fishery				
	Bait used - purchase location by fishery	by crab fishery	-	-	-
	Fuel used - gallons by fishery	by crab fishery	-	by crab fishery (gallons only)	by crab fishery (gallons only)
	Fuel used - cost by fishery			-	-
	Fuel used - purchase location by fishery	by crab fishery	-	-	-
	Food and provisions - costs	aggregated across all crab fisheries	-	-	-
	Other crew expenses	aggregated for all crab fisheries	-	-	-
	Processing and packing materials, equipment, and supplies - crab	aggregated across crab fisheries	-	-	-
	Repackaging costs	aggregated across crab fisheries			
	Broker fees and promotions by fishery	by crab fishery			
	Lease (IPQ) costs		by crab fishery	by crab fishery - arm's length (monetary payments)	by crab fishery - arm's length (monetary payments)
	Landing and sales taxes and fees - crab only	by crab fisheries			
	Storage, wharfage, delivery costs for gear	aggregated for all crab fisheries			
	Observer costs - by fishery	by crab fishery	-	-	-
	Freight costs for products	aggregated across crab fisheries			
Product storage	aggregated across crab fisheries				
Cooperative fees	aggregated across all crab fisheries	-	-	-	
Other expenses	aggregated across all crab fisheries	-	-	-	

Data type	Data element	Alt 1. (status quo)	Alt 2.	Alt 3.	Modified Alt 3.
Vessel costs	Vessel and equipment investment - cost	aggregated across all fisheries (excluding exclusively non-crab costs)	aggregated all fisheries, including R&M	-	-
	Vessel and equipment investment - location	aggregated across all fisheries	-	-	-
	Repair and maintenance - costs	aggregated across all fisheries	-	-	-
	Repair and maintenance - location	aggregated across all fisheries	-	-	-
	Foremen, managers, other employees and salaries	aggregated across all fisheries	aggregated across all fisheries	aggregated across all fisheries	aggregated across all fisheries
	Insurance premium	aggregated across all fisheries	Aggregated All Fisheries	-	-
	Fuel - gallons and cost			aggregated all fisheries	aggregated all fisheries
	Fuel, lubrication, fluids - annual - cost	aggregated across all fisheries	Aggregated All Fisheries	-	-
	Fuel, lubrication, fluids - annual - location	aggregated across all fisheries	-	-	-
	Other vessel specific costs	aggregated across all fisheries	-	-	-
All activities	Processing days - all activities	aggregated all fisheries	aggregated all fisheries		
	Days at sea - all activities	aggregated across all activities	aggregated all fisheries		
	FOB revenues - all activities	aggregated across all activities	aggregated all fisheries		
	Finished pounds - all fisheries	aggregated across all fisheries	aggregated all fisheries		
	Round/raw pounds - all fisheries	aggregated across all fisheries	aggregated all fisheries		
	Labor cost - all activities	aggregated across all activities	aggregated all fisheries		

Data type	Data element	Alt 1. (status quo)	Alt. 2	Alt. 3
Production	Production - dates covered by fishery	by crab fishery		
	Production - processing days by fishery	by crab fishery	Providing first and last day and number of active days	
	Raw crab processed by fishery	by crab fishery		
	Product and processed pounds by fishery	by crab fishery		
	Production - crab size and grade	by crab fishery		
	Production - box size	by crab fishery		
	Production - finished pounds	by crab fishery		
	Production - custom processing identifier	by crab fishery		
Revenues	Sales to affiliates/non-affiliates by species - product/process	by crab fishery	by crab fishery	by crab fishery
	Sales to affiliates/non-affiliates by species - crab size and grade	by crab fishery	by crab fishery	
	Sales to affiliates/non-affiliates by species - box size and finished pounds	by crab fishery	by crab fishery	by crab fishery (use box size categories)
	Sales to affiliates/non-affiliates by species - revenues (fob)	by crab fishery	by crab fishery	by crab fishery - FOB Alaska only
	Custom processing by species/product/process	by crab fishery	by crab fishery	by crab fishery (include pounds raw and pounds of product)
	Custom processing revenues	by crab fishery	by crab fishery	by crab fishery
Labor	Average processing positions	by crab fishery		
	Man-hours	by crab fishery	by crab fishery	aggregated across all fisheries
	Total processing labor payments	by crab fishery	by crab fishery	aggregated across all fisheries
	Crab processing employees by residence	by crab fishery	by crab fishery	aggregated across all fisheries
Custom processing services purchased	Reporting requirement			All companies contracting custom processing must report
	Custom processing services purchased - raw pounds	by crab fishery	by crab fishery	by crab fishery
	Custom processing services purchased - product and process	by crab fishery	by crab fishery	by crab fishery
	Custom processing services purchased - size and grade	by crab fishery		
	Custom processing services purchased - box size	by crab fishery		
	Custom processing services purchased - finished pounds	by crab fishery	by crab fishery	by crab fishery
	Custom processing services purchased - processing fee	by crab fishery	by crab fishery	by crab fishery
Crab purchases	Raw crab purchases by fishery - ifq type	by crab fishery	by crab fishery	by crab fishery
	Raw crab purchases by fishery - size and grade	by crab fishery		
	Raw crab purchases by fishery - pounds	by crab fishery	by crab fishery	by crab fishery

Data type	Data element	Alt 1. (status quo)	Alt. 2	Alt. 3
	Raw crab purchases by fishery - gross payments	by crab fishery	by crab fishery	by crab fishery
Crab processing costs	Fisheries taxes and fees - crab only	by crab fisheries		
	Processing and packing materials, equipment, and supplies - crab only	aggregated across crab fisheries		
	Food and provisions - crab only	aggregated across crab fisheries		
	Other direct crab labor costs	aggregated across crab fisheries		
	Insurance deductibles - crab only	aggregated across crab fisheries		
	Repackaging costs	aggregated across crab fisheries		
	Broker fees and promotions by fishery	by crab fishery		
	Lease (IPQ) costs	by crab fishery	by crab fishery	by crab fishery - arm's length (monetary payments )
	Observer costs	by crab fishery		
	Freight cost for plant supplies	aggregated across crab fisheries		
	Freight costs for products	aggregated across crab fisheries		
	Product storage	aggregated across crab fisheries		
	Water, sewer, and waste disposal	aggregated across crab fisheries		
	Other crab-specific costs	aggregated across crab fisheries		
General plant costs	Annual fuel, electricity, lubrication, hydraulic fluids	aggregated across all fisheries		
	Plant and equipment investments	aggregated across all fisheries		
	Repair and maintenance	aggregated across all fisheries		
	Foremen, managers, other employees and salaries	aggregated across all fisheries	aggregated across all fisheries	aggregated across all fisheries
	Other plant specific costs	aggregated across all fisheries		
General processing information	Processing days - annual total - all fisheries	aggregated across all fisheries	aggregated across all fisheries	
	Gross FOB revenues - annual total - all fisheries	aggregated across all fisheries	aggregated across all fisheries	
	Finished processed pounds - annual total - all fisheries	aggregated across all fisheries	aggregated across all fisheries	
	Processing labor costs - annual total - all fisheries	aggregated across all fisheries	aggregated across all fisheries	

Data type	Data element	Alt 1. (status quo)	Alt. 2	Alt. 3
Production	Production - dates covered by fishery	by crab fishery		
	Production - processing days by fishery	by crab fishery	Providing first and last day and number of active days	
	Raw crab processed by fishery	by crab fishery		
	Product and processed pounds by fishery	by crab fishery		
	Production - crab size and grade	by crab fishery		
	Production - box size	by crab fishery		
	Production - finished pounds	by crab fishery		
	Production - custom processing identifier	by crab fishery		
Revenues	Sales to affiliates/non-affiliates by species - product/process	by crab fishery	by crab fishery	by crab fishery
	Sales to affiliates/non-affiliates by species - crab size and grade	by crab fishery	by crab fishery	
	Sales to affiliates/non-affiliates by species - box size and finished pounds	by crab fishery	by crab fishery	by crab fishery (use box size categories)
	Sales to affiliates/non-affiliates by species - revenues (fob)	by crab fishery	by crab fishery	by crab fishery FOB Alaska only
	Custom processing by species/product/process	by crab fishery	by crab fishery	by crab fishery (include raw pounds and pounds of product)
	Custom processing revenues	by crab fishery	by crab fishery	by crab fishery
Labor	Average processing positions	by crab fishery		
	Man-hours	by crab fishery	by crab fishery	aggregated across all fisheries
	Total processing labor payments	by crab fishery	by crab fishery	aggregated across all fisheries
	Crab processing employees by residence	by crab fishery	by crab fishery	aggregated across all fisheries
Custom processing services purchased	Reporting requirement			All companies contracting custom processing must report
	Custom processing services purchased - raw pounds	by crab fishery	by crab fishery	by crab fishery
	Custom processing services purchased - product and process	by crab fishery	by crab fishery	by crab fishery
	Custom processing services purchased - size and grade	by crab fishery		
	Custom processing services purchased - box size	by crab fishery		
	Custom processing services purchased - finished pounds	by crab fishery	by crab fishery	by crab fishery
	Custom processing services purchased - processing fee	by crab fishery	by crab fishery	by crab fishery
Crab purchases	Raw crab purchases by fishery - ifq type	by crab fishery	by crab fishery	by crab fishery
	Raw crab purchases by fishery - size and grade	by crab fishery		

Data type	Data element	Alt 1. (status quo)	Alt. 2	Alt. 3
Crab purchases	Raw crab purchases by fishery - pounds	by crab fishery	by crab fishery	by crab fishery
	Raw crab purchases by fishery - gross payments	by crab fishery	by crab fishery	by crab fishery
Crab processing costs	Fisheries taxes and fees - crab only	by crab fisheries		
	Processing and packing materials, equipment, and supplies - crab only	aggregated across crab fisheries		
	Food and provisions - crab only	aggregated across crab fisheries		
	Other direct crab labor costs	aggregated across crab fisheries		
	Insurance deductibles - crab only	aggregated across crab fisheries		
	Repackaging costs	aggregated across crab fisheries		
	Broker fees and promotions by fishery	by crab fishery		
	Lease (IPQ) costs	by crab fishery	by crab fishery	by crab fishery - arm's length (monetary payments)
	Observer costs	by crab fishery		
	Freight cost for plant supplies	aggregated across crab fisheries		
	Freight costs for products	aggregated across crab fisheries		
	Product storage	aggregated across crab fisheries		
	Water, sewer, and waste disposal	aggregated across crab fisheries		
	Other crab-specific costs	aggregated across crab fisheries		
General plant costs	Annual fuel, electricity, lubrication, hydraulic fluids	aggregated across all fisheries		
	Vessel and equipment investments	aggregated across all fisheries		
	Repair and maintenance	aggregated across all fisheries		
	Foremen, managers, other employees and salaries	aggregated across all fisheries	aggregated across all fisheries	aggregated across all fisheries
	Other vessel specific costs	aggregated across all fisheries		
General processing information	Processing days - annual total - all fisheries	aggregated across all fisheries	aggregated across all fisheries	
	Gross FOB revenues - annual total - all fisheries	aggregated across all fisheries	aggregated across all fisheries	
	Finished processed pounds - annual total - all fisheries	aggregated across all fisheries	aggregated across all fisheries	
	Processing labor costs - annual total - all fisheries	aggregated across all fisheries	aggregated across all fisheries	