

Aleutian Islands Pacific Cod CV Allocation with a Regionalized Delivery Requirement

Discussion Paper

February 2014

Background

In 2008, the Council initiated a discussion of a proposal to establish processing sideboards on processing vessels eligible under the BSAI crab rationalization program, American Fisheries Act (AFA), and Bering Sea and Aleutian Islands (BSAI) Amendment 80 that receive deliveries of Pacific cod harvested in the Eastern and Central AI (Areas 541 and 542, respectively (see Figure 1)). In effect, catcher processors, floating processors, and motherships in the three catch share programs above would be limited in the amount of catcher vessel deliveries they could receive of Pacific cod harvested in Area 541 and/or 542 on an annual basis, or prohibited from taking deliveries prior to a specific date. The impetus for the proposed action was to ensure that the historical share of Pacific cod delivered shoreside, primarily to Adak, would continue.

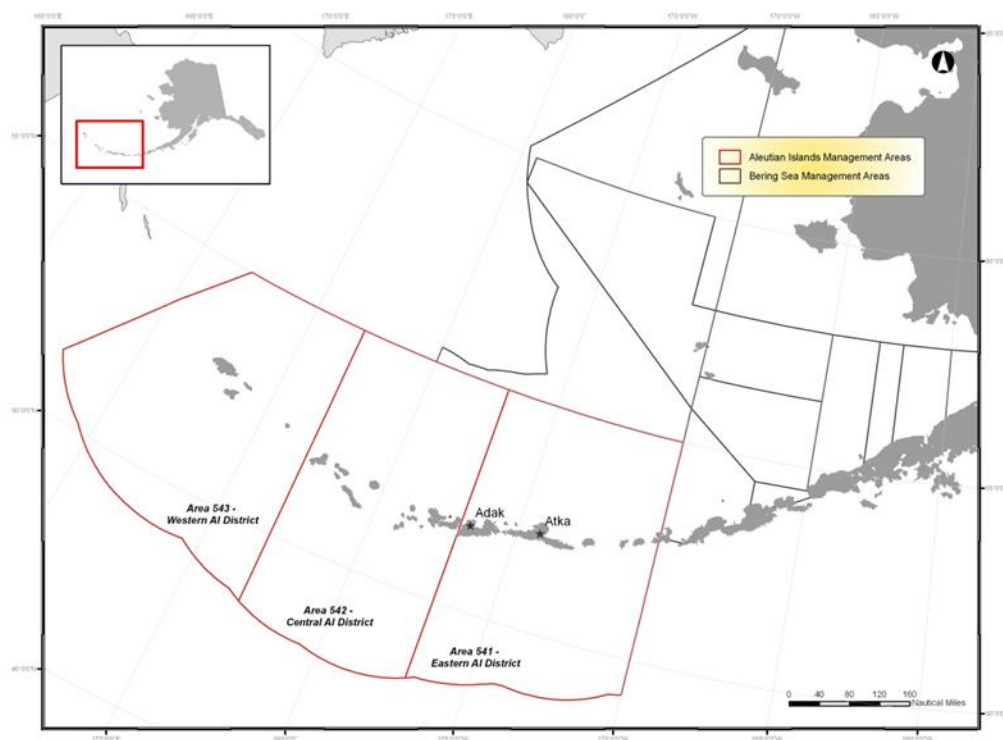


Figure 1 Aleutian Islands reporting areas

The Council reviewed two discussion papers in December 2008 and February 2009, and then requested that an initial review draft analysis be prepared for a future Council meeting, emphasizing the general need to ensure that it fully explores the ability to protect communities from the additional offshore

processing capacity resulting from rationalization programs. The Council originally requested that initial review be scheduled for late 2009, in order to coincide with the review of the ongoing Biological Opinion (BiOp), which among other things, addressed the effects of the status quo BSAI Pacific cod fishery on Steller sea lions. As the BiOp was rescheduled for release in late 2010, the Council rescheduled review of the AI processing sideboard action in early 2011. A supplement to the initial review draft analysis was prepared for the February 2011 Council meeting, but was postponed and not reviewed.

In April 2013, the Council, concerned with shoreside processing protections in the context of the Steller sea lion environmental impact statement (EIS), received an updated discussion paper of the AI Pacific cod processing sideboard analysis. The discussion paper also reviewed the implications of pending SSC action to set separate Bering Sea and Aleutian Islands (BSAI) acceptable biological catch (ABC) in 2014 for BSAI Pacific cod. The discussion paper clarified that the combined BSAI sector allocations was the approach the Council determined most feasible in October 2011. This approach provides the greatest flexibility for sectors and is the simplest for NMFS to monitor relative to previous alternatives considered in the past. After reviewing the discussion paper, the Council tasked staff to prepare this discussion paper addressing a CV allocation of Area 541/542 Pacific cod with a regionalized delivery requirement to AI shoreplants.

At its April 2013 meeting, the Council requested that staff provide a discussion paper to evaluate the impacts of allocating a Pacific cod directed fishing allowance in Area 541/542 (see map below) to the catcher vessel sector (CV), with a regionalized delivery requirement to shoreplants in the Aleutian Island (AI) management area. The Council, concerned about cases of insufficient shoreside processing capacity in the AI, requested the paper include a potential waiver to the delivery requirement and experiences under the Western Aleutian Island golden king crab regional delivery requirements implemented in the Bering Sea and Aleutian Islands (BSAI) crab rationalization program. The Council also requested the paper explore the need for and impacts of measures to avoid stranding AI initial total allowable catch (ITAC), such as allowing catcher processor activity after a certain date or at higher ITAC levels. Finally, the Council requested the paper provide historical catch and processing distribution across the various sectors (gear and operational type) in AI management areas 541, 542, and 543, as well as a discussion of current processing capacity and activities in Adak and Atka.

At the October 2013 meeting, the Council, after reviewing the discussion paper, postponed further action on this issue until the February 2014 meeting. The Council recognized that any proposed action on the AI Pacific cod fishery would be extremely difficult given the uncertainty surrounding this fishery to include:

- 1) Establishing separate OFLs and ABCs for Pacific cod in the BS and AI during the 2014 fishing season
- 2) Changes to the AI Pacific cod fishery from the Steller sea lion mitigation measures, and
- 3) Board of Fish proposal that would increase the State water GHF Pacific cod fishery from 3% to 4.5%

Since October, two of these issues have been resolved. The Council separated OFLs and ABCs for Pacific cod in the BS and AI. The Board of Fish proposal to increase the State water GHF Pacific cod fishery from 3% to 4.5% has been removed from consideration.

Uncertainty surrounding the Steller sea lion mitigation measures remains, however. In December 2013, the Council considered a November 27, 2013, NMFS letter outlining two options for the agency to consider moving forward with the completion of the Environmental Impact Statement (EIS) and Biological Opinion (BiOp) for Steller sea lion measures in the Aleutian Islands. The current schedule, mandated by the U.S. District Court for Alaska, does not provide sufficient time for the agency to engage the Council in the development of fishery management measures to implement a Reasonable and Prudent Alternative (RPA) in the event that the biological opinion now under development concludes that the

agency cannot insure the preferred alternative is not likely to jeopardize the continued existence of the western distinct population of Steller sea lions or adversely modify critical habitat. After consideration of this information, the Council supports a request for an extension in order to engage in development of an RPA if necessary.

Per the Council's request, the following discussion paper provides an update on these three issues of uncertainty. In addition, discussion paper includes information on the state-water GHL fishery for AI Pacific cod, revised catch limit tables for alternative 2 and 3 from the Steller sea lion EIS, the 2013 distribution of AI Pacific cod processing, an update on the Adak shore-based processing facility, and a brief discussion on price negotiations between harvesters and shore-based processors under a regionalized delivery requirement.

Affected resource and areas

The Council motion clarifies that the allocation of AI Pacific cod to CVs is in Area 541 (Eastern Aleutian District) and Area 542 (Central Aleutian District) from the Federally-managed and State parallel fisheries. Since the April 2013 motion does not include an allocation of Area 543 (Western Aleutian District) Pacific cod to CVs, this discussion paper does not contemplate the impacts of the CV allocation and shoreside delivery requirement for this management area.

The allocation of AI Pacific cod to CVs for Areas 541 and 542 Pacific cod would apply to all non-CDQ Pacific cod, which includes the Pacific cod fishery in Federal waters and the parallel fishery that occurs in State waters. The State parallel fishery is opened at the same time as the Federal fishery in Federal waters. State parallel fishery harvests accrue toward the Federal total allowable catch (TAC) and Federally-permitted vessels move between State and Federal waters during the concurrent parallel and Federal fisheries. The State opens the parallel fisheries through emergency order by adopting the groundfish seasons, bycatch limits, and allowable gear types that apply in the adjacent Federal fisheries.

NMFS Management under BSAI Sector Allocations

In December 2013, the Council adopted separate TACs for the BS and AI populations of Pacific cod. This action was tied to the decision at that meeting by the Scientific and Statistical Committee to management BS and AI Pacific cod as separate stocks due to its concerns about the declining AI Pacific cod population. Table 1 provides the 2014 and 2015 OFL, ABC, GH, TAC and ITAC for the BS and AI Pacific cod. The 2014 BS Pacific cod TAC was set as 246,897 mt and the AI Pacific cod TAC was set at 6,997 mt. These Federal TACs account for Pacific cod harvests in state water fisheries, which both have a guideline harvest level set to 3% of a combined BS and AI ABC. For 2014, the BS Pacific cod GH and AI Pacific cod GH are each 8,103 mt. Starting in 2014, the Board of Fisheries for the State of Alaska established a GH in State waters between 164 and 167 degrees west longitude in the BS subarea equal to 3% of the Pacific cod ABC in the combined BS and AI.

Table 1 2014 and 2015 OFL, ABC, GLH, TAC, ITAC, and CDQ for AI and BS Pacific cod

2014						
Area	OFL	ABC	GH (3% of BSAI ABC)	TAC	ITAC	CDQ
AI	20,100	15,100	8,103	6,997	6,248	749
BS	299,000	255,000	8,103	246,897	220,479	26,418
2015						
Area	OFL	ABC	GH (3% of BSAI ABC)	TAC	ITAC	CDQ
AI	20,100	15,100	8,613	6,487	5,793	694
BS	319,000	272,000	8,613	263,387	235,205	28,182

The following is how NMFS is addressing separate OFLs and ABCs for Pacific cod in the BS and AI areas recommended by the Plan Team and SSC, and separate TACs recommended by the Council, during the harvest specifications process.

First, the BS and AI State water GHL is calculated (step 2 below). Each GHL is calculated as 3% of the combined BS ABC and AI ABC. The amount resulting from this calculation will be deducted from their corresponding ABC to determine the TAC for each area (step 3 below).

After calculating the GHLs and establishing the TACs, the BS and AI ITACs would be calculated by deducting 10.7% from each TAC for the CDQ allocations. Once the BS ITAC and AI ITAC are calculated, a sector's allocation would be based on the percentage of the BSAI Pacific cod ITAC they receive under Amendments 85/80, multiplied by the combined BS and AI ITACs. In effect, the catch limit for Pacific cod for each area would be determined through the Plan Team, SSC, and Council harvest specifications process, but the sector allocations would continue to be applied to a combined BSAI Pacific cod limit.

1. Harvest specifications process → sets OFLs, ABCs, TACs for BS and AI Pacific cod
2. GHL calculation → $3\% \times (\text{BS ABC} + \text{AI ABC}) = \text{BS Pacific cod GHL}$ and $3\% \times (\text{BS ABC} + \text{AI ABC}) = \text{AI Pacific cod GHL}$
3. TAC calculations (maximum possible) → $\text{BS ABC} = \text{BS TAC}$
 $\text{AI ABC} - \text{GHL} = \text{AI TAC}$
4. CDQ allocations → $\text{BS TAC} \times 10.7\% = \text{CDQ BS allocation}$
 $\text{AI TAC} \times 10.7\% = \text{CDQ AI allocation}$
5. Non-CDQ ITACs → $\text{BS TAC} \times 89.3\% = \text{BS ITAC}$
 $\text{AI TAC} \times 89.3\% = \text{AI ITAC}$
6. Non-CDQ sector allocations → $(\text{sector allocation \% under Am.80/85}) \times (\text{BS ITAC} + \text{AI ITAC}) = \text{sector allocation of combined BS and AI ITAC}$

Each non-CDQ sector will continue to receive its current BSAI Pacific cod allocation (determined under Amendment 85/80), and that allocation could be harvested Pacific cod anywhere in the BS or AI if open to directed fishing (see Table 2). NMFS will be responsible for monitoring each sector's overall BSAI allocation and the BS and AI catch limits for each area, using the existing tools to open and close fisheries. Once the Pacific cod ITAC for either the BS or AI is reached, NMFS will issue a closure notice and all non-CDQ sectors will be required to stop directed fishing for Pacific cod in the closed area. The sectors with remaining allocation will then only be allowed to continue directed fishing in the open area. CDQ Program will have a specific allocation of the TAC in each area, managed separately.

Table 2 BSAI sector allocations for Pacific cod

Sector	% allocation
Jig vessels	1.4
Hook-and-line/pot CV < 60' ft (18.3 m) LOA	2
Hook-and-line CV ≥ 60 ft (18.3 m) LOA	0.2
Hook-and-line CP	48.7
Pot CV ≥ 60 ft (18.3 m) LOA	8.4
Pot CP	1.5
AFA trawl CP	2.3
Amendment 80	13.4
Trawl CV	22.1
Table originates from AI_PCOD_ALLOCATION OCT 2013	

No changes are anticipated in the process to reallocate Pacific cod among the non-CDQ sectors inseason. If, during the fishing year, NMFS determines that a non-CDQ sector will be unable to harvest the entire amount of its combined BS and AI Pacific cod allocations, NMFS would reallocate the projected unused amount to another sector, per the hierarchy for reallocations provided in current regulations (50 CFR 679.20 (a)(7)(iii)). The reallocated Pacific cod could be taken in either area if open to directed fishing for Pacific cod.

Seasonal Allowances

A combined BSAI sector allocation would maintain all of the existing BSAI Pacific cod allocations, including the seasonal allowances applicable to ≥60' vessels using pot gear, ≥60' catcher vessels using hook-and-line gear, hook-and-line catcher processors, jig vessels, trawl catcher vessels, and trawl catcher processors. Because there are no sector allocations specific to each area, there would also not be any *gear specific seasonal allowances by each area*. This is because there would not be separate BS or AI allocations to apportion on a seasonal basis under a combined BSAI sector allocation, there would only be one BSAI Pacific cod allocation per sector. While the overall guideline for the BSAI Pacific cod fishery continues to be a 70%–30% seasonal split, the seasonal allowances vary by gear type (Table 3).

Table 3 3 BSAI Pacific cod seasonal allowances

Pot	Jan 1 – June 10 (51%), Sept 1 – Nov 1* (49%) Pot catcher vessels <60' do not have seasonal allowances.	Trawl CV	Jan 20 – April 1 (74%), April 1 – June 10 (11%); June 10 – Nov 1 (15%)
Hook and Line	Jan 1 – June 10 (51%), June 10 – Nov 1* (49%) Hook-and-line catcher vessels <60' do not have seasonal allowances.	Trawl CP	Jan 20 – April 1 (75%), April 1 – June 10 (25%); June 10 – Nov 1 (0%)
Jig	Jan 1 – Apr 30 (60%) Apr 30 – Aug 31 (20%) Aug 31 – Nov 1* (20%)		

*Note: The 2011 SSL protection measures prohibit retention of Pacific cod by Federally permitted vessels of all gear types in Area 543 of the AI. In Areas 541 and 542, directed fishing for Pacific cod is prohibited from Nov. 1 – Jan.1. Previous to the 2011 to these protection measures, pot, hook-and-line, and jig gear were allowed to fish Pacific cod until Dec. 31.

Under a continued BSAI sector allocation, this approach would theoretically allow harvest of all of the AI TAC in the first half of the year, which is effectively no different under status quo. No guidelines currently exist for establishing AI seasonal allowances by gear type or overall, and while the Steller Sea Lion EIS proposes different seasons for BSAI trawl limited access and Amendment 80 CPs, it does not mandate seasonal allowances by gear type in the AI. Thus under combined BSAI sector allocations would continue to be subject to their BSAI seasonal allowances.

One consequence of having seasonal allowances at the combined BSAI level and sector allocations at the combined level is the possibility the entire AI ITAC can be harvested in the A season. Table 4 provides the BSAI Pacific cod sector apportionment and BSAI Pacific cod seasonal allowance for the 2014 fishing year. What is apparent when comparing the AI ITAC provided in Table 2 (6,248 mt) with the BSAI seasonal allowance for the trawl CV sector in Table 4 (37,079 mt), is that the entire AI ITAC can be harvested by the trawl CV sector during the A season, which leaves nothing for a B season fishery.

Table 4 BSAI Pacific cod sector apportionment and BSAI Pacific cod seasonal allowance for 2014

Sector	BSAI Sector Apportionment (mt)	BSAI Season allowance (mt)		
		A	B	
H&L/pot < 60'	4,535	No seasonal allowance		
H&L CV ≥ 60'	453	231	222	
H&L CP	110,416	56,312	54,104	
Pot CV ≥ 60'	19,045	9,713	9,332	
Pot CP	3,401	1,734	1,666	
Sector	BSAI Sector Apportionment (mt)	BSAI Season allowance (mt)		
		A	B	C
Jig vessels	3,174	1,905	635	635
AFA trawl CP	5,215	3,911	978	0
Amendment 80	30,381	22,786	5,697	0
Trawl CV	50,107	37,079	5,512	7,516
Table originates from AI_PCOD_ALLOCATION Feb 2014				

State AI GHL Fishery

The State-managed AI fishery was established by the Alaska Board of Fisheries in 2006, and comprises 3% of the Federal BSAI Pacific cod ABC. This fishery is managed by the State and has different sector requirements and seasons than the Federal Pacific cod fishery. The state-waters Pacific cod GHL is split between an A and B season, where the A season is allocated 70% of the GHL and the B season 30%. Unharvested A season GHL may be rolled over to the B season; however, the total GHL available during the B season may not exceed 70 of the entire state-waters GHL. The state-waters season is closed when the GHL has been reached. Provided below is a summary when the GHL fishery opens and closes by inside and outside 175° W long to 178° W long and the fishing gear authorized in the GHL fishery (Table 5 and Table 6). Table 7 provides harvest of AI state-waters Pacific cod GHL fishery from 2006 through 2013.

Table 5 AI Pacific cod A season GHL opening and closing dates by inside and outside 175° W long to 178° W long and authorized fishing gear

Area	Season	GHL Opens	GHL Closes	Gear
Inside*	A	GHL Opens January 1	A season GHL remains open until A season GHL reached or June 9	60' or less using trawl, pot, and jig and vessels 58' or less using longline gear
				March 15 - no trawl gear greater than 100', pot gear greater than 125', and mechanical jig and longline greater than 58'
Outside*	A	4 days after federal CV trawl closure	If there is state-water A season GHL by April 1 and federal CV trawl B season opens	60' or less using trawl, pot, and jig and vessels 58' or less using longline gear
		Noon March 15 if federal CV trawl fishery still open on noon March 14 and A season GHL remains		March 15 - No trawl gear greater than 100', pot gear greater than 125', and mechanical jig and longline greater than 58'
		If federal CV trawl B season closes and A season GHL remains	Remains open until A season GHL reached or June 9	

***Inside** is defined as 175° W long to 178° W long; **Outside** is defined as outside 175° W long to 178° W long

Table 6 AI Pacific cod B season GHL opening and closing dates and authorized fishing gear

Area*	Season	GHL Opens	GHL Closes	Gear
Inside and outside	B	June 10	September 1 if all B season GHL has been taken	From June 10 through July 31, a vessel cannot exceed 60'
				Beginning August 1, pot vessels cannot exceed 125' while vessel with other gear cannot exceed 60'
		If there is B season GHL when federal CV pot B season closes	Whenever B season GHL is all harvested or December 31	Pot vessels cannot exceed 125' while vessel with other gear cannot exceed 60'

***Inside** is defined as 175° W long to 178° W long; **Outside** is defined as outside 175° W long to 178° W long

Table 7 Aleutian Islands state-waters Pacific cod fishery guideline harvest level and harvest from 2006-2013

Year	Season	Initial GHL ^a	Harvest ^a	Number of	
				Vessels	Deliveries
2006	A season	8,981,540	8,502,781	26	68
	B season	3,849,232 ^b	CF	5	CF
	TOTAL	12,830,772	CF	30 ^c	CF
2007	A season	8,148,202	8,229,931	27	97
	B season	3,492,086 ^d	3,409,070	15	106
	TOTAL	11,640,288	11,639,001	41 ^c	203
2008	A season	8,148,202	7,477,507	30	116
	B season	3,492,086 ^e	4,241,692	18	77
	TOTAL	11,640,288	11,719,199	45 ^c	193
2009	A season	8,425,981	5,537,886	22	50
	B season	3,611,135 ^e	CF	5	CF
	TOTAL	12,037,116	CF	27	CF
2010	A season	8,055,608	7,959,514	16	84
	B season	3,452,404 ^e	CF	3	CF
	TOTAL	11,508,012	CF	16 ^c	CF
2011	A season	10,879,701	CF	3	CF
	B season	4,662,729 ^e	CF	4	CF
	TOTAL	15,542,430	595,289	6 ^c	18
2012	A season	14,537,132	11,462,339	21	201
	B season	6,230,200 ^e	CF	7	CF
	TOTAL	20,767,332	CF	26 ^c	CF
2013	A season	14,213,056	10,562,744	12	150 ⁻
	B season	6,091,310 ^e	CF	1	CF
	TOTAL	20,304,366	CF	13	CF

Note: CF = Confidential

^aIn whole pounds.

^bADF&G made 3.5 million pounds of the GHL available to National Marine Fisheries effective on September 1.

^cSome vessels participated in both seasons.

^dOverage from the A season was deducted from the B season GHL. Initial GHL shown.

^eA season GHL was not fully harvested, remaining A season GHL rolled over into B season GHL. Initial GHL shown.

Steller Sea Lion EIS

The Steller sea lion EIS that was provided October 2013 Council meeting for final action included the status quo alternative, which is the RPA that was implemented by interim final rule in January 2011, Alternatives 2 and 3, which include area limits for Areas 541, 542, and 543, Alternative 4, which would return to the modified 2010 measures, and finally Alternative 5, which would remove catch and participate limits from Area 541 and 542.

At that October 2013 meeting, the Council selected Alternative 5 as their preferred alternative for the final EIS. Pacific cod fisheries management under the preferred Alternative 5 is nearly identical to Alternative 4. The exception is the measure to set an Area 543 catch limit for Pacific cod in proportion to the Area 543 Pacific cod abundance based on the stock assessment process, as provided under Alternatives 2 and 3. Below are specific Steller Sea Lion Protection Measures under Alternative 5. In addition, Figure 2 and Figure 3 provide the closure areas for non-trawl and trawl gear under Alternative 5.

- Set the seasons as follows:
 - Non-trawl gear:
 - Hook and Line:
 - A season: 1/1-6/10
 - B season: 6/10-12/31
 - Pot:
 - A season: 1/1-6/10
 - B season: 6/10-12/31
 - Jig:
 - A season: 1/1-4/30
 - B season: 4/30-8/31
 - C season: 8/31-12/31
 - Trawl Catcher Vessel and AFA Catcher/Processors:
 - A season: 1/20-4/1
 - B season: 4/1-6/10
 - C season: 6/10-11/1
 - CDQ Trawl and Amendment 80 cooperative Catcher/Processors:
 - A season: 1/20-4/1
 - B season: 4/1-6/10
 - C season: 6/10-12/31

Area 543

- *Remove the area-side retention prohibition.*
- *Prohibit directed fishing for Pacific cod in waters 0-3 nm from rookeries and 0-10 nm from Buldir Island for hook-and-line and pot gear vessels.*
- *Prohibited directed fishing for Pacific cod in waters 0-3 nm of haulouts and 0-10 nm of rookeries by trawl gear vessels.*

Area 542

- *Prohibit directed fishing for Pacific cod with trawl gear in waters 0-3 nm from haulouts and 0-10 nm from rookeries.*
- *Prohibit directed fishing for Pacific cod with hook-and-line and pot in waters 0-3 nm from rookeries.*

Area 541

- *Prohibit directed fishing for Pacific cod in the Seguam foraging area.*
- *Prohibit directed fishing for Pacific cod with trawl gear in waters 0-3 nm from haulouts and 0-10 nm from rookeries, except prohibit directed fishing for Pacific cod with trawl gear in waters 0-20 nm from Agligadak.*

- *Prohibit directed fishing for Pacific cod with hook-and-line and pot gear in waters 0-3 nm from rookeries west of 172.59° W long. And in critical habitat east of 172.59° W long.*

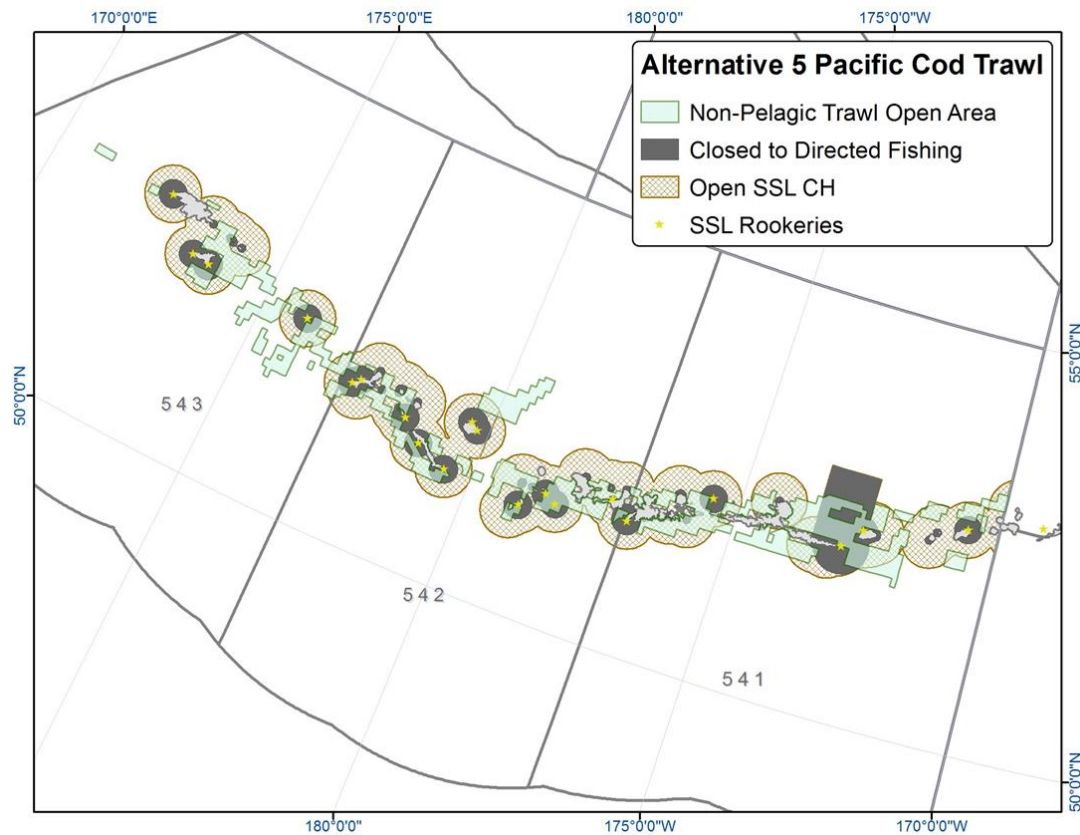


Figure 2 Pacific cod non-trawl gear closures for Alternative 5

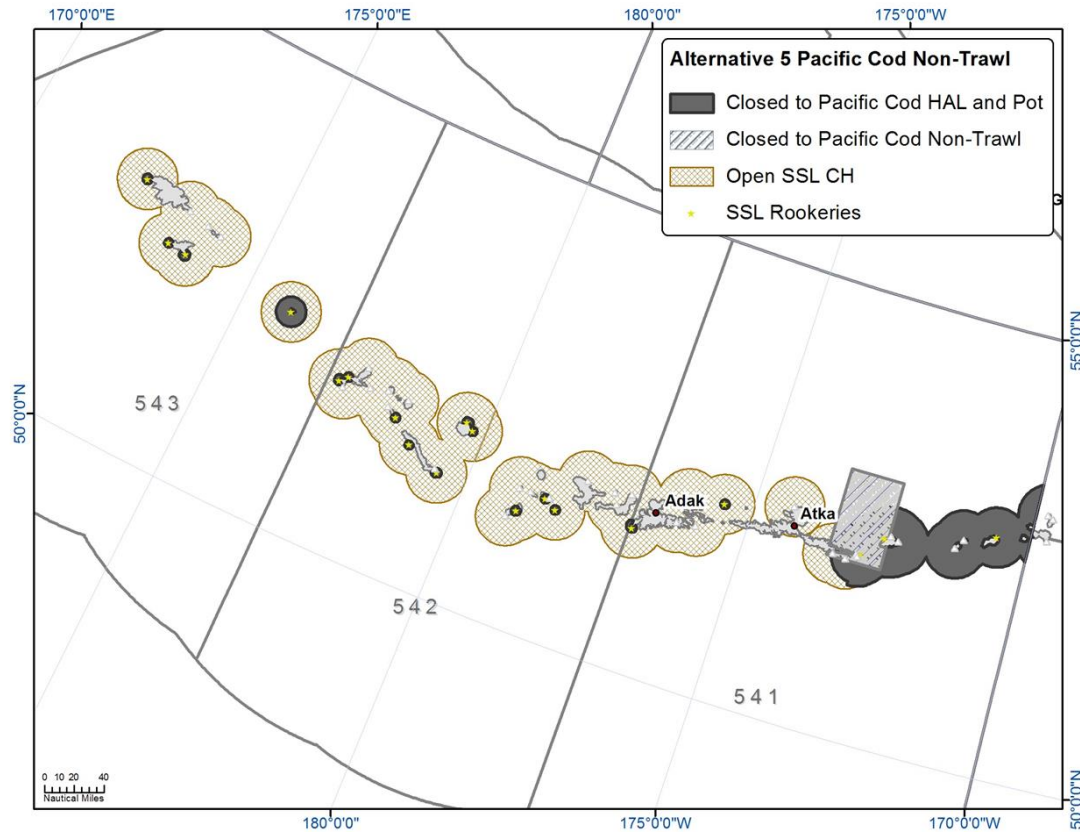


Figure 3 Pacific cod trawl gear closures for Alternative 5

Alternatives 2 and 3 of the Steller sea lion EIS also included AI area limits and limits on trawl and non-trawl CP sector catches. Based on information contained in Table 8-95 of the *Steller Sea Lion Protection Measures, Preliminary Draft EIS/RIR/IRFA* combined with the 2014 harvest specifications for AI Pacific cod, Table 8 and Table 9 of this discussion paper were updated to provide area limits under Alternatives 2 and 3. Utilizing a 3% State GHF and applying the AI area percentages (26.4% for Area 543 and 73.6% for Area 541/542) to the 2014 harvest specifications for 2014 would yield an area limit for Area 541/542 of 4,599 mt and 1,649 mt for Area 543.

Alternatives 2 and 3 of the Steller sea lion EIS also include provisions that place limits on trawl and non-trawl CP sector catches. These sector limits are not allocations, but limits on the amounts that may be caught by the sectors to which they are assigned. Other sectors, not subject to these limits, could conceivably fully harvest the available Pacific cod. These sector limits are based on historical average catches from 2006 through 2010. Catcher vessels are not subject to sector limits in these areas, although they are subject to the overall area limits. Estimated catch limits for trawl and non-trawl CP sectors are located in Table 8-96 and Table 8-115 of the *Steller Sea Lion Protection Measures, Chapter 8: Regulatory Impact Review*. Under both Alternatives 2 and 3, the sector limit for trawl CP is 47.01% of Area 541/542 area limit, and the limit for non-trawl CP is 19.23% of Area 541/542 area limit. For Alternative 2, Option 1 (which excludes motherships and the catcher vessels delivering to them from Area 543) the trawl CP sector would receive 28.02% of Area 543 limit. Under Alternative 2, Option 2 and Alternative 3 (which includes motherships and the catcher vessels delivering to them), the trawl CP sector would receive 67.7% of the Area 543 limit. For non-trawl in Area 543, Alternatives 2 and 3 would have a catch limit equal to 32.21% of the Area 543 limit.

As noted in Table 8, the 2014 estimated sector limit for trawl and non-trawl catcher processors (CPs) in Area 541/542, assuming a 3% GHL, would be 2,162 mt and 884 mt, respectively. For Area 543 during the same time period, the trawl CP limit would range from 462 mt to 1,117 mt, while the non-trawl limit would be 531 mt.

Table 8 Estimated area limits and trawl and non-trawl CP sector limits under Alternatives 2 and 3 Steller sea lion protection measures for 2014

Sector	Area limit		Area 543 sector limit			Areas 541/542 sector limit	
	543	541/542	Alt 2 O1	Alt 2 O2	Alt 3	Alt 2	Alt 3
Trawl CP	1,649	4,599	462	1,117	1,117	2,162	2,162
Non-trawl CP			531	531	531	884	884

Source: Table 8-96 and Table 8-115 of the Steller Sea Lion Protection Measures, Preliminary Draft EIS/RIR/IRFA, March 2013 and 2014 harvest specifications

Table originates from AI_PCOD_ALLOCATION OCT 2014

Table 9 shows the amount of Area 543 and Areas 541/542 Pacific cod area limit available assuming the trawl and non-trawl CP sectors harvest the full sector limits available, which are based on a 60.23% limit for the combined CP limits in Area 543 and a 47.83% for the combined CP limits in Areas 541/542.

Table 9 Estimated area limits and available Pacific cod for trawl and non-trawl CV sectors if CPs harvest the full amounts available to them under their area-sector limits for 2014

Sector	Area limit		Area 543 sector limit			Areas 541/542 sector limit	
	543	541/542	Alt 2 O1	Alt 2 O2	Alt 3	Alt 2	Alt 3
Trawl and non-trawl CV	1,649	4,599	656	656	656	2,399	2,399

Source: Table 8-131 of the Steller Sea Lion Protection Measures, Preliminary Draft EIS/RIR/IRFA, March 2013 and 2014 harvest specifications

Table originates from AI_PCOD_ALLOCATION OCT 2014

Harvest Distribution of AI Pacific cod

The background data provided here utilizes retained harvests from 2003 through August 8, 2013. Sector data through August 8, 2013 are also provided. The source of the data is from NMFS catch accounting system.

Table 10 shows the amount and proportion of retained Pacific cod catch in the BS and AI management area 541/542 and 543, excluding CDQ data. The data in the table show that retained catch from the AI was between 15% and 16% of the combined BSAI retained catch from 2003 through 2004. In 2005 and 2006, retained catch from the AI declined to about 11% each year. From 2007 through 2010 period, retained catch in the AI relative to the combined BSAI catch increased, ranging from 15% to almost 18%. In 2011 through 2013, harvest from the AI declined significantly due to the implementation of the Steller sea lion protection measures and other factors. In 2011, retained harvest from the AI accounted for 5% of the total, while in 2012 and through August 8, 2013, the AI accounted for 6% and 6.1% of the total harvest, which is below the current 7% biomass estimate for the AI.

The distribution of retained Pacific cod catch within the AI management area also varied significantly depending on the year. In 2003 and 2004, Area 541/542 accounted for 91% to 87% of the AI Pacific cod retained catch. From 2005 through 2007, Area 541/542 retained catch declined relative to Area 543, ranging from 83% to 77%. During the next three years, the proportion of retained Pacific cod from Area 541/542 declined even further ranging from a high of 72% to low of 66%. Finally, with the

implementation of the current Steller sea lion protection measures, the proportion of retained catch of Pacific cod in Area 541/542 increased to 100% relative to Area 543.

Table 10 Pacific cod retained catch in the Aleutian Islands and Bering Sea from 2003 through 2013 (in metric tons and percent of total)

Year	Area 541/542 (mt)	% of AI	Area 543 (mt)	% of AI	Total AI	% of BSAI	BS (mt)	BSAI (mt)
2003	28,993	91.0	2,866	9.0	31,859	16.5	161,514	193,372
2004	24,656	87.2	3,631	12.8	28,287	14.6	165,429	193,716
2005	17,215	81.1	4,000	18.9	21,214	11.3	166,328	187,542
2006	14,754	77.1	4,383	22.9	19,137	11.1	153,513	172,650
2007	22,946	82.9	4,731	17.1	27,677	17.8	127,587	155,264
2008	17,729	71.8	6,970	28.2	24,699	16.9	121,620	146,319
2009	17,663	69.5	7,764	30.5	25,427	16.6	127,864	153,291
2010	14,338	65.7	7,493	34.3	21,831	14.8	125,637	147,468
2011	10,375	99.9	8	0.1	10,383	5.3	184,500	194,883
2012	13,148	99.9	12	0.1	13,160	6.0	207,287	220,447
2013	8,767	100.0	3	0.0	8,769	6.1	134,841	143,610

Source: Blend Catch Accounting.

Table originates from pivot file BSAI_Pcod_Sector (08-08) and AI_Pcod_Allocation Oct 2013.

2013 data is through 8 August 2013.

Table 11 shows retained Pacific cod harvest by sector and area from 2003 through August 8, 2013, excluding CDQ harvest. Some of these data are not provided due to confidentiality; other data are masked to protect confidential data that would otherwise be evident due to simple subtraction.

From 2003 through August 8, 2013, the majority of the sectors' harvest of Pacific cod is from the BS, but there continue to be several sectors with notable portions of catch in the AI. Of the AI management areas, Area 541/542 contributed the largest portion of AI Pacific cod catch on an annual basis. During the 2003 through August 8, 2013, the trawl CV and trawl CP sectors were the most active in the AI. The trawl CV sector retained the most AI Pacific cod in terms of metric tons and percentage during the eleven year period; 14% to 51% of their BSAI Pacific cod was harvested in the AI. The trawl CP sector harvested from 4% to 42% of the combined BSAI Pacific cod from the AI. The hook-and-line CP sector had a much lower total annual harvest and allocation than the trawl CV or CP sectors, but it also typically harvests some portion of its BSAI Pacific cod in the AI. Only a few years of data could be provided due to confidentiality.

Table 11 Retained Pacific cod catch (mt) and percent of total Pacific cod catch in Area 541/542 and percent of total Pacific cod catch in the Bering Sea and Aleutian Islands areas, by sector, 2003 through 2013

Year	Sector	Area 541/542 (mt)	% of Area 541/542 total	Area 543 (mt)	AI (mt)	% of sector BSAI total	BS (mt)	BSAI (mt)
2003	HAL CP	800	3	*	*	*	92,786	93,637
	HAL CV	33	0	7	40	8	484	524
	JIG	*	*	0	*	*	155	156
	POT CP	0	0	0	0	0	1,547	1,547
	POT CV	0	0	0	0	0	20,236	20,236
	TRW CP	10,951	38	2,808	13,759	42	19,077	32,836
	TRW CV	17,208	59	0	17,208	39	27,228	44,437
	Total	28,993	100	2,866	31,859	16	161,514	193,372
2004	HAL CP	2,542	10	395	2,937	3	90,987	93,923
	HAL CV	60	0	13	72	10	624	696
	JIG	0	0	0	0	0	231	231
	POT CP	0	0	0	0	0	3,234	3,234
	POT CV	0	0	0	0	0	13,957	13,957
	TRW CP	8,616	35	3,223	11,839	29	29,018	40,858
	TRW CV	13,439	55	0	13,439	33	27,379	40,817
	Total	24,656	100	3,631	28,287	15	165,429	193,716
2005	HAL CP	*	*	*	*	*	96,616	98,744
	HAL CV	14	0	8	22	2	1,109	1,130
	JIG	*	*	0	*	*	104	117
	POT CP	0	0	0	0	0	*	*
	POT CV	0	0	0	0	0	13,702	13,702
	TRW CP	7,091	41	3,988	11,079	32	23,807	34,886
	TRW CV	7,973	46	0	7,973	22	27,652	35,625
	Total	17,215	100	4,000	21,214	11	166,328	187,542
2006	HAL CP	1,841	*	*	*	*	82,343	84,596
	HAL CV	16	0	4	20	3	633	652
	JIG	*	*	0	*	*	81	89
	POT CP	*	*	0	*	*	3,065	3,148
	POT CV	305	2	0	305	2	15,829	16,134
	TRW CP	6,627	45	2,935	9,563	28	25,102	34,664
	TRW CV	5,875	40	1,032	6,907	21	26,460	33,367
	Total	14,754	100	4,383	19,137	11	153,513	172,650
2007	HAL CP	792	*	*	*	*	65,764	68,031
	HAL CV	45	*	*	*	*	407	452
	JIG	*	*	0	*	*	82	83
	POT CP	*	*	0	*	*	2,614	2,755
	POT CV	*	*	0	*	*	14,576	14,728
	TRW CP	9,704	42	2,195	11,899	32	25,836	37,735
	TRW CV	12,112	53	1,060	13,172	42	18,308	31,480
	Total	22,946	100	4,731	27,677	18	127,587	155,264
2008	HAL CP	1,832	10	2,202	4,034	5	71,492	75,526
	HAL CV	169	1	5	173	19	736	909
	JIG	156	1	0	156	89	19	176
	POT CP	1,532	*	*	*	*	*	*
	POT CV	*	*	0	*	*	15,433	15,514
	TRW CP	3,085	17	1,592	4,677	23	15,359	20,036
	TRW CV	10,873	61	3,107	13,980	45	16,804	30,784
	Total	17,729	100	6,970	24,699	17	121,620	146,319
2009	HAL CP	2,187	12	*	*	*	78,406	83,145
	HAL CV	12	0	5	17	3	582	599
	JIG	0	0	0	0	0	13	13
	POT CP	597	3	*	*	*	*	*
	POT CV	0	0	0	0	0	10,531	10,531
	TRW CP	3,300	19	1,624	4,924	19	21,188	26,112
	TRW CV	11,567	65	3,425	14,993	51	14,398	29,390
	Total	17,663	100	7,764	25,427	17	127,864	153,291
2010	HAL CP	1,859	13	2,782	4,641	6	66,986	71,627
	HAL CV	11	0	7	18	4	387	405
	JIG	0	0	0	0	0	344	344
	POT CP	*	*	*	*	*	2,699	3,426
	POT CV	0	0	0	0	0	16,707	16,707
	TRW CP	3,210	22	512	3,721	14	23,233	26,955
	TRW CV	8,534	60	4,190	12,724	45	15,280	28,004
	Total	14,338	100	7,493	21,831	15	125,637	147,468

Source: Blend Catch Accounting.

Table originates from pivot file BSAI_Pcod_Sector (08-08) and AI_Pcod_Allocation Oct 2013.

2013 data is through 8 August 2013.

* Denotes confidentiality

2011	HAL CP	1,152	11	0	1,152	1	95,208	96,360
	HAL CV	44	0	8	52	10	463	515
	JIG	0	0	0	0	0	505	505
	POT CP	*	*	0	*	*	3,097	3,102
	POT CV	0	0	0	0	0	23,933	23,933
	TRW CP	1,448	14	*	*	*	29,354	30,802
	TRW CV	7,726	74	0	7,726	19	31,939	39,666
Total		10,375	100	8	10,383	5	184,500	194,883
2012	HAL CP	3,138	24	*	*	*	109,853	112,993
	HAL CV	100	1	7	107	15	589	697
	JIG	0	0	0	0	0	85	85
	POT CP	0	0	0	0	0	4,178	4,178
	POT CV	1,417	11	0	1,417	6	20,999	22,416
	TRW CP	2,091	16	2	2,092	6	31,608	33,700
	TRW CV	6,403	49	0	6,403	14	39,975	46,378
Total		13,148	100	12	13,160	6	207,287	220,447
2013	HAL CP	*	*	*	*	*	59,863	60,318
	HAL CV	2	0	0	2	0	957	958
	JIG	0	0	0	0	0	*	*
	POT CP	0	0	0	0	0	1,840	1,840
	POT CV	2,161	25	0	2,161	12	16,103	18,264
	TRW CP	795	9	*	*	*	20,334	21,130
	TRW CV	5,354	61	*	*	*	35,736	41,091
Total		8,767	100	3	8,769	6	134,841	143,610

Source: Blend Catch Accounting.

Table originates from pivot file BSAL_Pcod_Sector (08-08) and AL_Pcod_Allocation Oct 2013.

2013 data is through 8 August 2013.

* Denotes confidentiality

Starting in 2011, the AI Pacific cod fishery changed substantially with the implementation of the Steller sea lion RPA protection measures. Since 2011, the harvests in the AI are significantly lower for all sectors (except the pot CV sector) compared to previous years. The overall harvest distribution between the two areas was 5% in the AI and 95% in the BS for 2011 and 6% in the AI and 94% in the BS for 2012 and 2013.

Looking at harvest distribution during 2011 and 2012 in the AI, the trawl CV sector's percentage of Area 541/542 was 74% in 2011 and 49% in 2012, while the trawl CP distribution was 14% and 16%, respectively. For 2013, the trawl CV sector has harvested 61% of the Area 541/542 Pacific cod, while the trawl CP sector harvested 9%. One sector that has increased their harvest of Area 541/542 Pacific cod since the implementation of the Steller sea lion protection measures is the pot CV sector. In 2011 and 2012, the pot CV sector harvested 14% and 16% of Area 541/542 Pacific cod, while in 2013 they have harvested 25% through August 8, 2013.

Figure 4 shows the average location of Pacific cod harvest by trawl CPs for the AI management area from 2004 through 2010. Targeted catch was primarily located in Area 543 along the shelf north of Agattu Island. Further east in Area 542, catch occurred along Kiska and Amchika Islands and on Petrel Banks. In Area 541, the majority of the catch occurred off of Atka North Cape with some fishing between Adak and Atka. Most of the Pacific cod catch was in critical habitat except the fishing in areas on Petrel Bank, west of Atka North Cape, and southeast of Seguam Pass. The area off Atka North Cape seems to be important area for most sectors. Figure 5 shows the catch that occurred in 2011 and 2012 by trawl CPs. Due to the closures in Area 543, overall catch by trawl CPs decreased and was primarily located off Atka North Cape, Petrel Banks, and southeast of Seguam Pass.

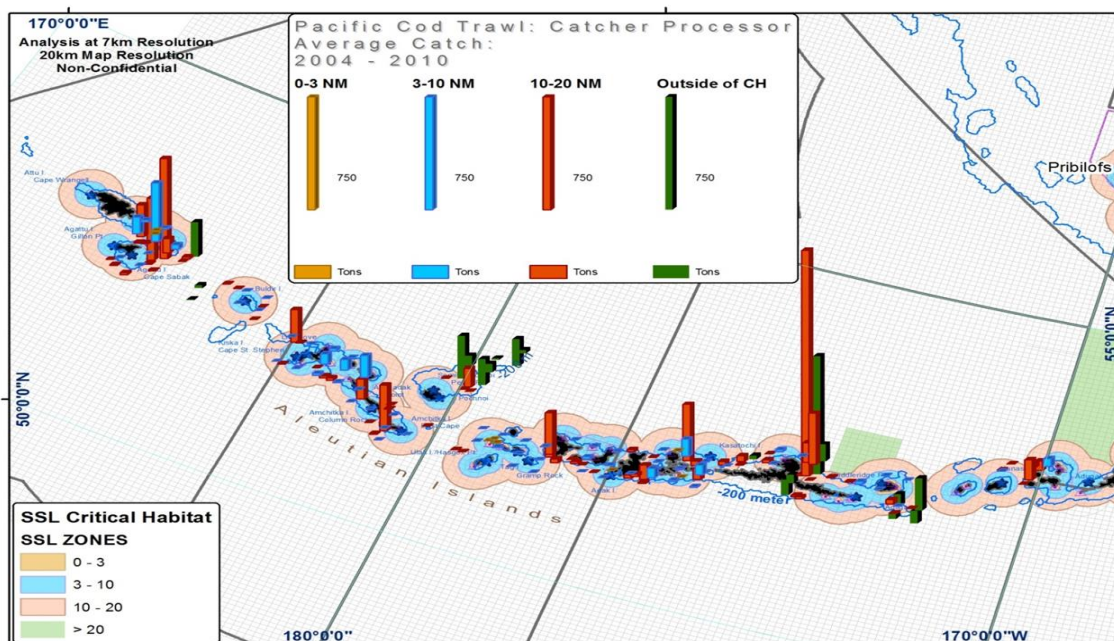


Figure 4 2004 through 2010 average location of Pacific cod harvest by trawl CPs

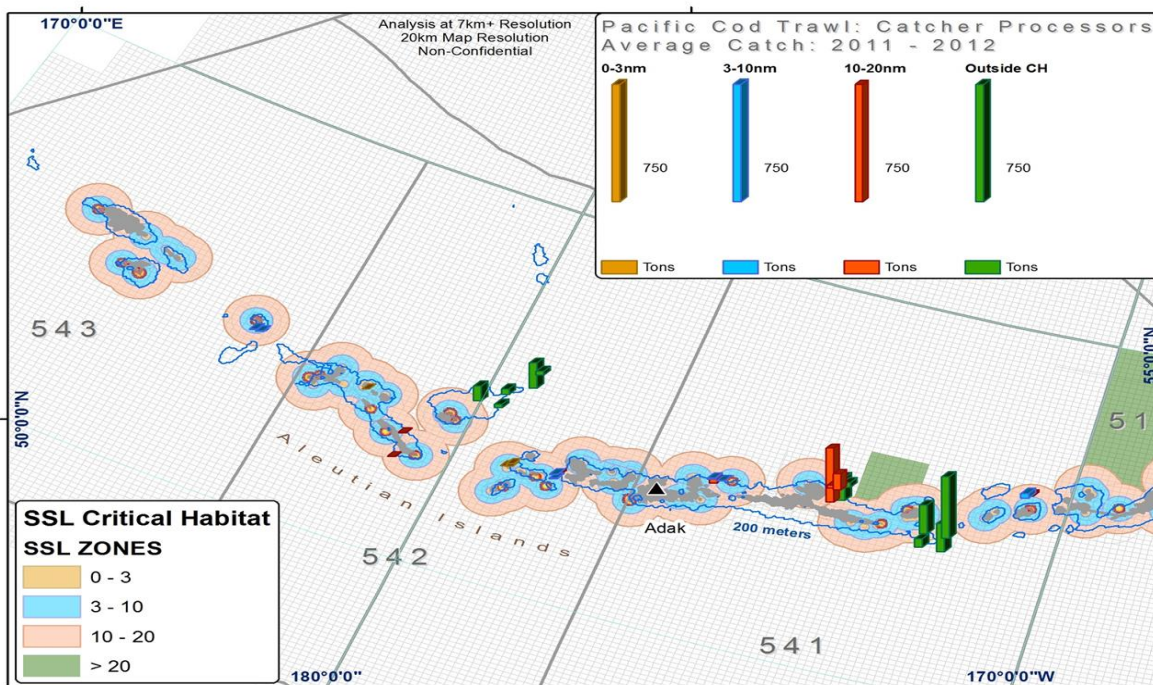


Figure 5 2011 through 2012 average location of Pacific cod by trawl CPs

Figure 6 and Figure 8 show the average location of Pacific cod catch by trawl catcher vessels from 2004 through 2010. This represents catch patterns that occurred prior to the current Steller sea lion RPA. Figure 6 represents the locations used by trawl catcher vessels that deliver to shoreside processors. As a result of being associated to fixed shoreside locations, most of the catch is concentrated in areas near the

ports of Adak and Atka. Atka North Cape is the most important area to this sector and vessels harvesting fish in this area deliver to Adak, Akutan, and Dutch Harbor. The area southeast of the port of Adak also is important to these vessels.

Figure 8 shows the catcher vessels that deliver to motherships. These vessels are not associated to a processor with a fixed location. This catch is not as concentrated in areas near a port, but more of this catch is in Area 543. The area used by these vessels is similar to the area used by trawl catcher/processors. This is primarily because vessels that operate as motherships are also vessels that operate as trawl catcher/processors. Outside of Area 543, Atka North Cape also is important to these vessels.

Figure 7 and Figure 9 show the average location of Pacific cod catch by trawl catcher vessels from 2011 and 2012. This represents where catch occurs under the existing Steller sea lion RPAs. As expected, the catch by vessels delivering to motherships did not occur in Area 543 because of the retention prohibition. Catch by vessels delivering shoreside remained in similar locations as prior years, though in amounts less than had been observed from 2004 through 2010. Overall, the catch seems to have concentrated into the area east of Atka North Cape that has shown to be an important area for all trawl sectors. Alternatives 2 and 3 would reduce most of the catch in that area.

In 2011 and 2012, there were many factors for the decrease of catch in the Aleutian Islands. One possible factor is the implementation of the Steller Sea lion RPA management measures. However, factors other than the interim final rule's Steller sea lion protection measures are believed to have had a greater impact on total Pacific cod catch by trawl catcher vessels in the Aleutian Islands.

In the early months of 2011, there was no operating shoreside processor in the Aleutian Islands. Catcher vessels delivering to shoreside processors fished in the Bering Sea, closer to operating processors in Akutan and Dutch Harbor. In 2011 and 2012, fishermen indicated that the catch rates and size of Pacific cod in January and February were above average. Vessels fished where they were experiencing good Pacific cod fishing and indicated that they were unlikely to move to the Aleutian Islands until it was warranted. In 2012, catcher vessels that could not reach profitable pollock fishing grounds due to the ice edge advance fished for Pacific cod longer than usual. This resulted in an overall increase in Bering Sea trawl catcher vessel Pacific cod effort. The result of all these factors was that the 2012 fishery closed about a month earlier than normal. In 2012, there was an operating shoreside processor in the Aleutian Islands. However, the A season trawl catch vessel Pacific cod allocation was reached soon after vessels began moving to the Aleutian Islands in late February.

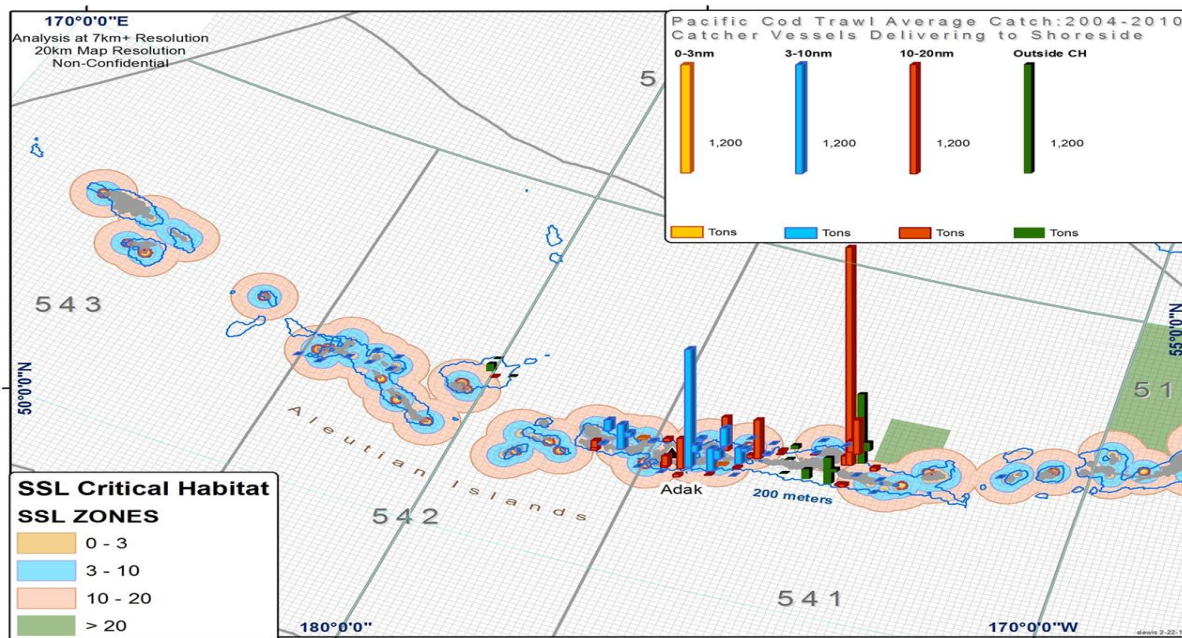


Figure 6 2004 through 2010 average location of Pacific cod harvested by trawl CVs delivering to shoreside plants

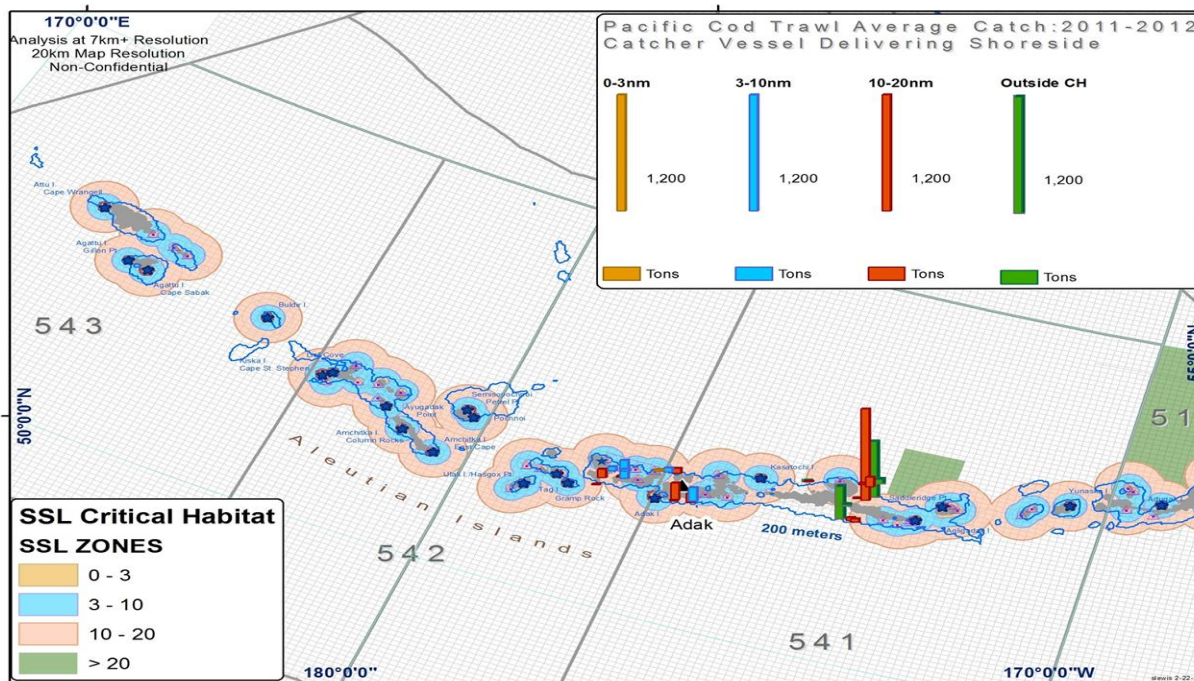


Figure 7 2011 through 2012 average location of Pacific cod harvested by trawl CVs delivering to shoreside plants

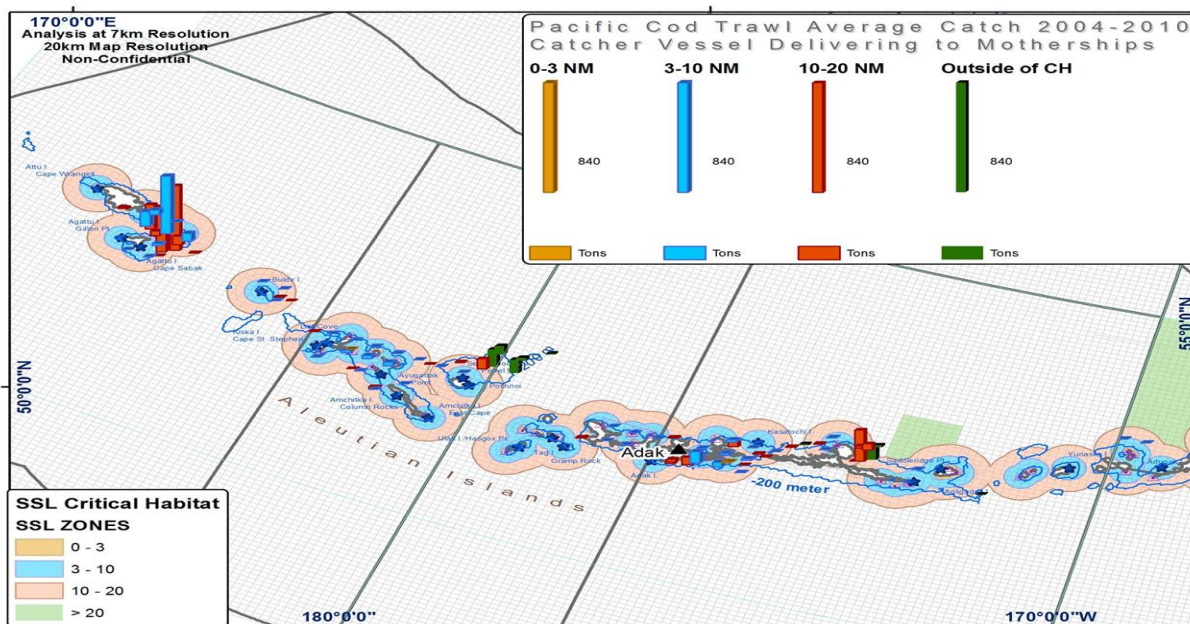


Figure 8 2004 through 2010 average location of Pacific cod harvested by trawl CVs delivering to motherships

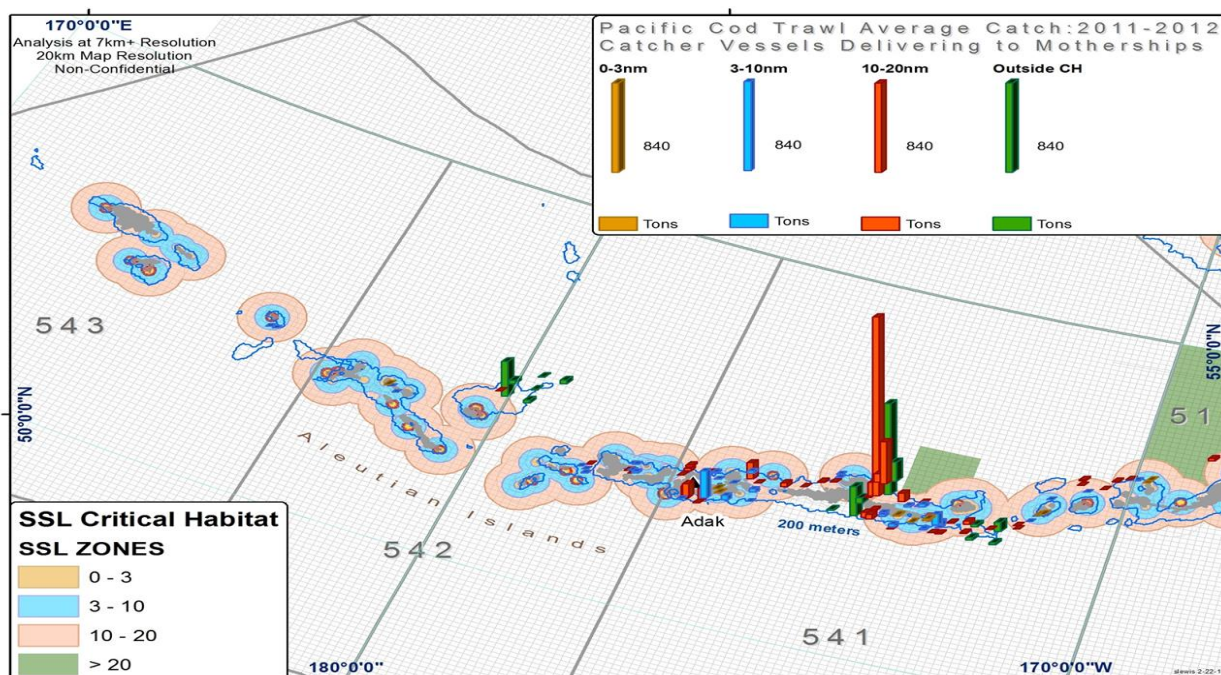


Figure 9 2011 through 2012 average location of Pacific cod harvested by trawl CVs delivering to motherships

Figure 10 shows the average location of harvest by non-trawl vessels from 2004 through 2010. Compared to trawl vessels, the catch by non-trawl vessels is not concentrated in several specific areas. Non-trawl catch seems to occur in all areas where depths are less than 200 m and fishing is allowed. As a result, the majority of catch by these vessels occurs in critical habitat.

Figure 11 shows where harvest occurred in 2011 and 2012 under regulations similar to Steller sea lion RPA. As a result, no fishing occurred in Area 543 and fishing concentrated more in Area 541 where the shelf edge is broader than other areas. The broader shelf edge gave the non-trawl vessels the area required to deploy their gear efficiently.

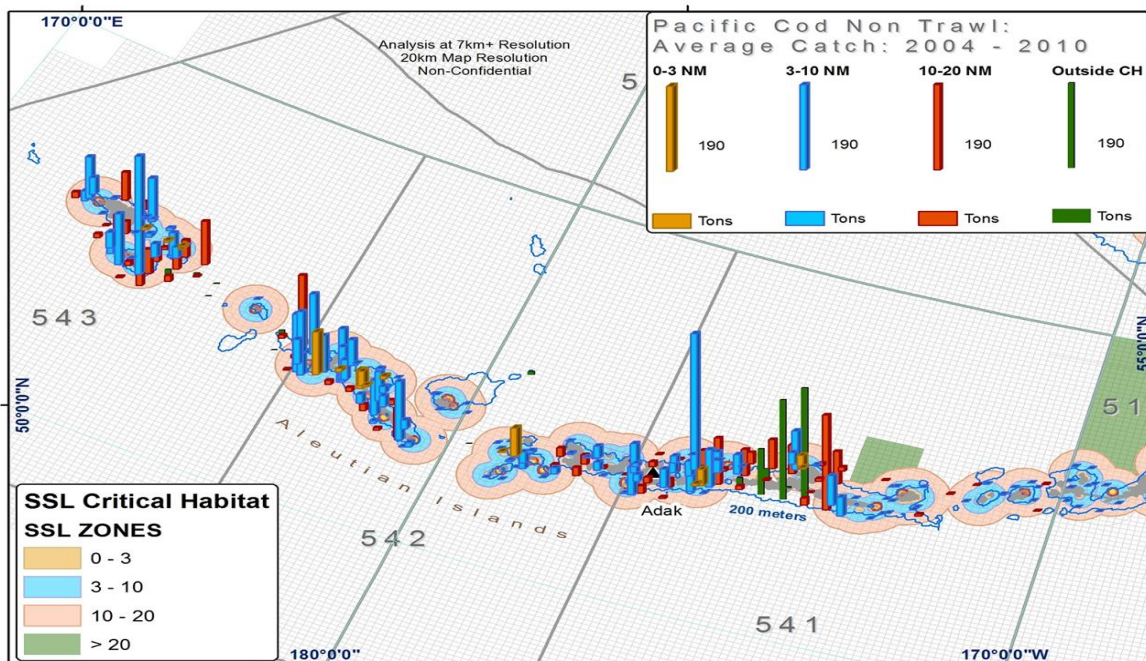


Figure 10 2004 through 2010 average location of Pacific cod harvested by non-trawl vessels (hook-and-line, pot, and jig gear)

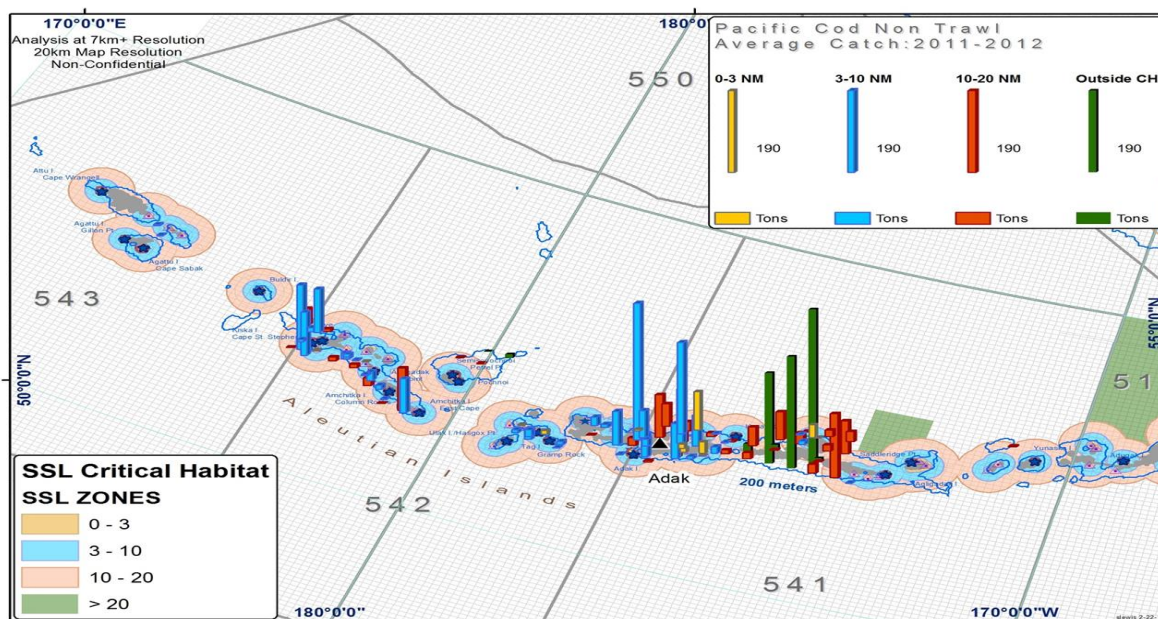


Figure 11 2011 through 2012 average location of Pacific cod harvested by non-trawl vessels (hook-and-line, pot, and jig gear)

Timing of the AI Pacific cod fishery is also important. The timing of the BS and AI Pacific cod fishery differ depending on the area. During the 2010 through 2012, the Pacific cod fishery first starts in the BS immediately following the January opener and then peaking in mid-February. Effort in the AI appears to start in earnest mid-February followed by a peak harvest in mid-March (see Figure 12 and Figure 13).

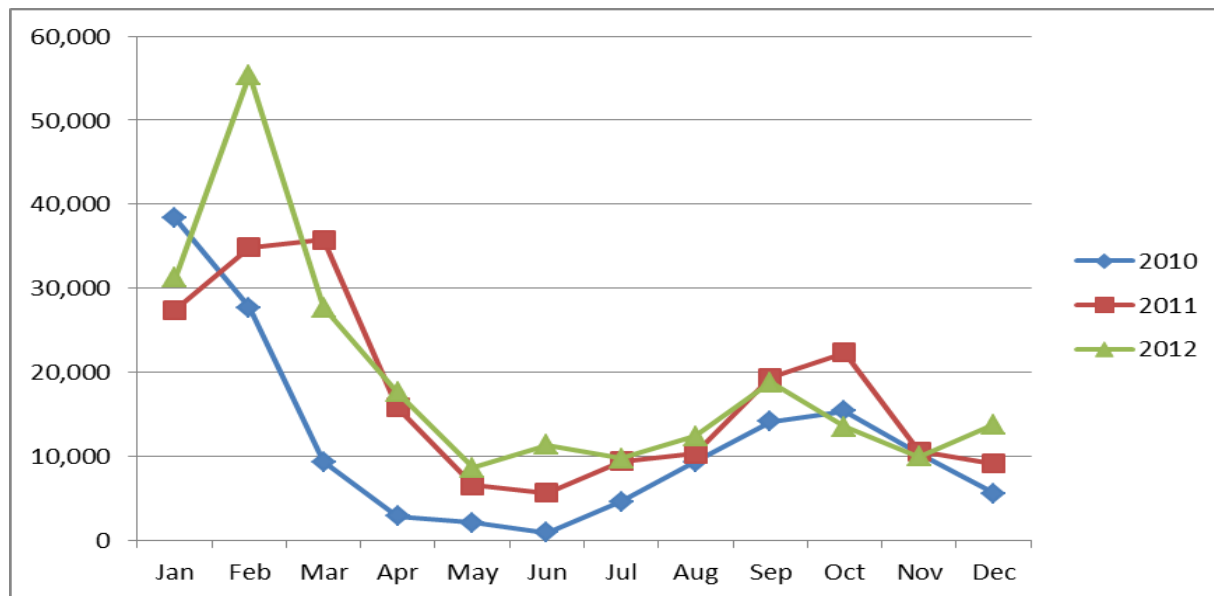


Figure 12 Total retained harvest of Bering Sea Pacific cod by month, 2010 through 2012

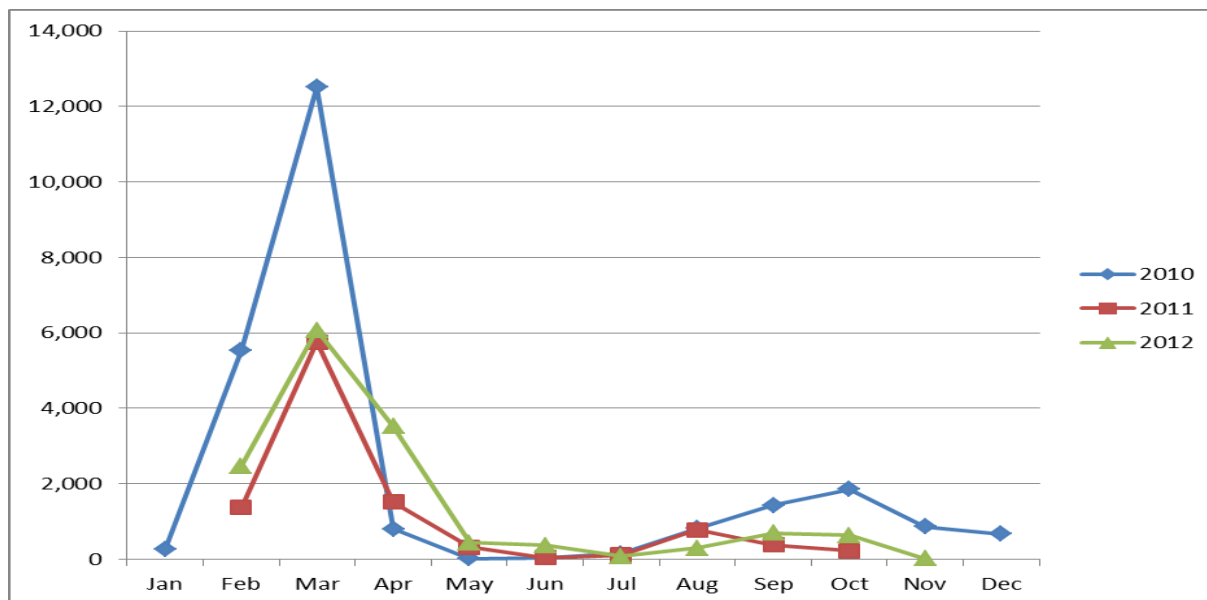


Figure 13 Total retained harvest of Aleutian Islands Pacific cod by month, 2010 through 2012

Figure 14 shows when Pacific cod fishing occurs in the Aleutian Islands by sector during 2004 through 2010. The chart represents the average percentage of Pacific cod harvested in a single week in relation to

the total harvest of Pacific cod in the Aleutian Islands. On average, trawl catcher/processors start fishing for Pacific cod in week 8, mid-February, and continue fishing for Pacific cod through week 12 in late March. This is due to Pacific cod aggregating in the Aleutian Islands during this time period, allowing efficient harvest by trawl vessels. Catch of Pacific cod outside of that time period is mostly incidental catch in other fisheries. Fishermen have indicated that it is hard to find aggregations of Pacific cod in sufficient amounts to warrant trawling after mid-April. Trawl catcher vessels, including mothership activity follow the same pattern. The spike in activity on week 14 corresponds with the April 1 opening of the B season fishery for trawl gear.

Non-trawl vessels spread the catch of Pacific cod in the Aleutian Islands throughout the year. Seasonality of the non-trawl fishery still occurs with A season catch in the Aleutian Islands starting to increase in week 7, mid-February, and continuing until week 17 at the end of April. The B season catch of Pacific cod in the Aleutian Islands by non-trawl vessels in week 33 corresponds with August 15, the B season start date for hook-and-line catcher/processors that occurred in the baseline years 2004–2010. After 2010, the August 15 date was changed to June 10 and in 2011 and 2012 catch of Pacific cod in the Aleutian Islands occurred as early as week 30 at the end of July.

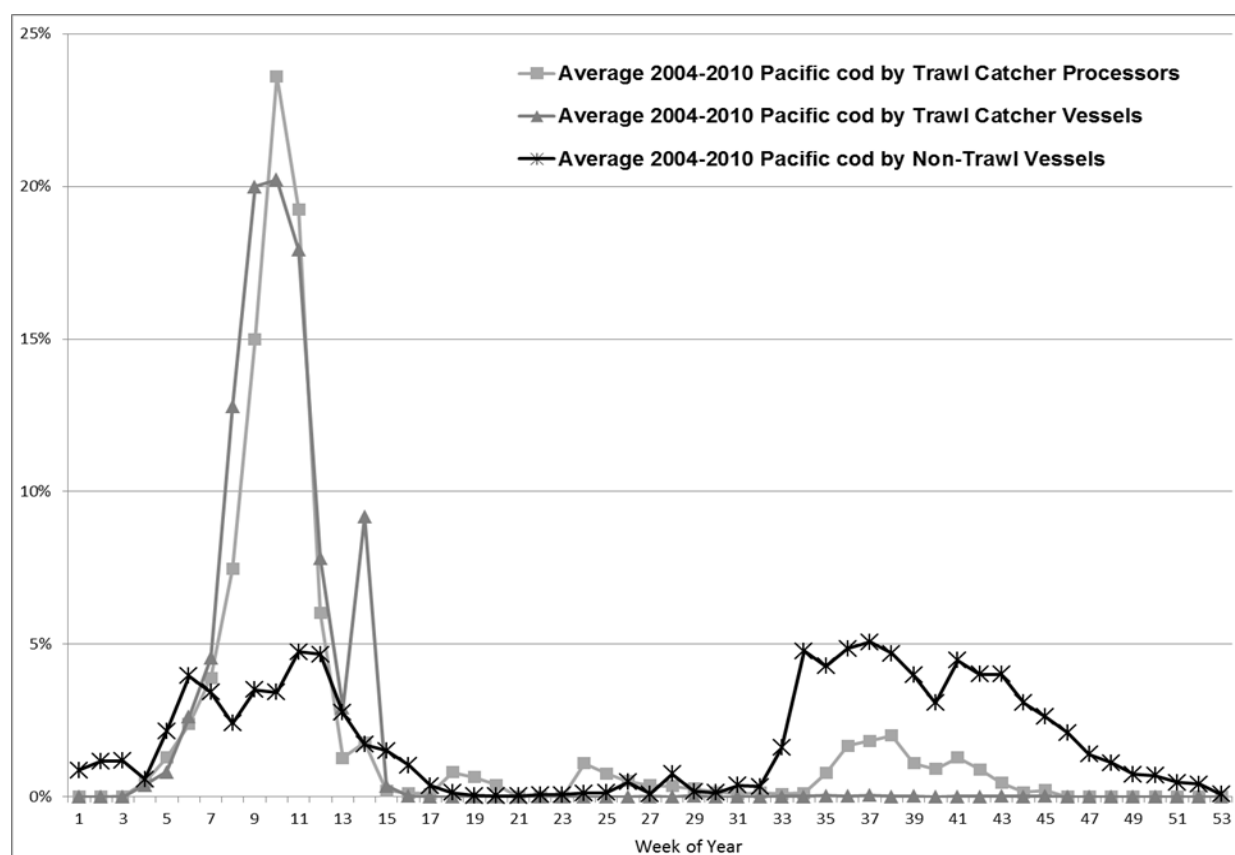


Figure 14 2004 through 2010 average weekly percentage of Pacific cod catch by sectors in the AI

Distribution of AI Pacific Cod Processing

This section provides a summary of Pacific cod processing history in Area 541/542 from 2003 through 2013. Historically, a portion of the BSAI Pacific cod ITAC allocated to catcher vessels has been

harvested in Area 541/542. A portion of this AI harvest has also typically been processed offshore, by motherships, floating processors, or catcher processors acting as motherships.

During the 2003 through 2009 period, the majority of Area 541/542 Pacific cod was delivered shoreside, primarily to the plant in Adak. Currently, the only two communities in the AI (Area 541) with shoreside processing plants are Adak and Atka. Adak is the only plant, at this time, located in the AI with the capability to process large quantities of Pacific cod. The plant in Atka does not currently have a Pacific cod processing operations, but Aleutian Pribilof Island Community Development Association (APICDA) has indicated they are planning to add a Pacific cod capability in the near future; in the past, Atka has used a floating processor to provide processing for Pacific cod and other species.

Table 12 provides the annual count of CVs that deliver Area 541/542 Pacific cod to the offshore sector and shorebased processor plants and a count of offshore mothership and floating processors from 2003 through 2013. The number of CVs that delivered to the offshore sector has ranged from a low of 9 in 2005 and 2013 to a high of 23 in 2010. The number of offshore motherships and floaters receiving Area 541/542 Pacific cod from CVs during 2003 through 2013 has ranged from a high of 6 in 2008 to a low of 3 in 2003, 2005, and 2013. CVs delivering Area 541/542 Pacific cod to any shoreplant has ranged from a high of 55 in 2008 to a low of 14 in 2011.

Table 12 Number of CVs delivering to offshore and shoreplants and the number of AFA/crab/AM 80 motherships and floaters

Year	Number of CV delivering to AFA/Crab/AM80 motherships and floaters (Areas 541 & 542)	Number of AFA/Crab/AM 80 motherships and floaters (Areas 541 & 542)	Number of CV delivering to shoreplants (Areas 541 & 542)
2003	18	3	47
2004	12	4	30
2005	9	3	25
2006	11	4	35
2007	13	5	44
2008	21	6	55
2009	13	5	33
2010	23	5	21
2011	14	4	15
2012	13	4	34
2013	9	3	24

Source: Blend Catch Accounting.

Table originates from pivot file BSAI_Pcod_Sector (08-08) and BSAI_Pcod_Sector(01-22)

While the deliveries of Area 541/542 Pacific cod cannot be provided on an individual sector level due to confidentiality, Table 13 shows how much of the total catch catcher vessel Pacific cod harvest from Area 541/542 was delivered to the offshore sector versus shoreside sector. To avoid confidential restrictions concerning shoreside landings of Area 541/542 Pacific cod, the landings to the shoreplants in Adak and Atka were combined with several other shoreplants in other Alaska communities. The data shows that the shoreside sector received an increasing share of the Area 541/542 Pacific cod deliveries from 2003 through 2007. Shoreside deliveries ranged from 52% in 2003 to 83% in 2007, with an average share across those years of about 73%. The plant in Adak received the majority of the shoreside deliveries of Area 541/542 Pacific cod. In contrast, the offshore sectors received a high of 48% in 2003 and a low of 17% in 2007, with an average share across those years of about 27%.

In 2008, the shoreside share of Area 541/542 Pacific cod diminished to 42%, while the offshore sectors increased to 58%. In 2009, the processing distribution was similar to the previous year, with shoreside share at 71% and the offshore sector at 29%. In 2010 and 2011, the closure of the shoreside plant in Adak significantly impacted the processing distribution of Area 541/542 Pacific cod between the shoreside processor and offshore processing vessels. The shoreside portion of Area 541/542 Pacific cod diminished to 4% in 2010 and 1% in 2011, while offshore sectors increased dramatically to 96% in 2010 and 99% in 2011. In 2012, the portion of Area 541/542 Pacific cod delivered to shoreside processors increased to 61% due to the Adak plant accepting deliveries of Pacific cod, while the amount delivered to offshore processors declined to 39%. In 2013, the portion of AI Pacific cod delivered to the Adak plant increased to 79%, while the remaining 21% was processed by the offshore sector.

Table 13 Amount of CV Pacific cod harvested in Areas 541/542, by processing sector, 2003 through 2013

Year	CV deliveries to AFA/Crab/AM80 motherships and floaters (Areas 541 & 542)			Shoreside landings (Areas 541 & 542) ¹			CV cod landings in Areas 541 & 542	Total CV cod catch in BSAI	Percent of Areas 541 & 542 CV cod landings relative to total CV cod catch in BSAI
	mt	% of AI	% of BSAI	mt	% of AI	% of BSAI			
2003	8,209	48%	13%	9,033	52%	14%	17,242	65,353	26
2004	4,153	31%	7%	9,345	69%	17%	13,498	55,700	24
2005	1,521	19%	3%	6,478	81%	13%	8,000	50,574	16
2006	1,324	21%	3%	4,879	79%	10%	6,203	50,242	12
2007	2,147	17%	5%	10,163	83%	22%	12,310	46,743	26
2008	6,514	58%	14%	4,764	42%	10%	11,278	47,382	24
2009	3,307	29%	8%	8,272	71%	20%	11,579	40,532	29
2010	8,016	96%	18%	291	4%	1%	8,307	43,254	19
2011	7,726	99%	12%	43	1%	0%	7,769	64,617	12
2012	3,056	39%	4%	4,864	61%	7%	7,927	69,551	11
2013	1,586	21%	2%	5,984	79%	9%	7,570	67,750	11

Source: Blend Catch Accounting.

Table originates from pivot file BSAI_Pcod_Sector (08-08) and BSAI_Pcod_Sector(01-22)

¹Includes landings to Adak, Akutan, Dutch Harbor, and other Alaska communities.

Adak and Atka Processing Capacity and Activity

As noted above, there are two AI communities with shoreplants: Adak and Atka. This section briefly profiles these communities, as they are the expected beneficiaries of the AI regionalized delivery requirement.

Adak

Adak is located on Kuluk Bay on Adak Island in the Aleutian chain. It is the southernmost community in Alaska. It lies 350 miles west of Unalaska in the Aleutian Island chain and is not a CDQ community. The Aleut Corporation acquired the majority of Adak's former military facilities in 2004. Since that time, the Aleut Corporation has continued its efforts to develop Adak as a civilian community with a private sector economy focused heavily on commercial fishing. Adak is pursuing a broad range of fisheries for a resident fleet to be able to deliver to Adak Fisheries, the shoreside processor located on Adak.

The development of a local residential fleet has been a goal of the local leadership, but currently the locally-owned catcher vessel fleet is small. In addition, the fleet is limited in their fishing opportunities in the AI subarea, due to the size and range of the vessels.

Most commercial fishing deliveries to Adak are to a single processing plant from larger vessels from outside the area. Of the species processed, Pacific cod, halibut, and sablefish have been the primary species. The community has also seen some crab and Pacific cod activity related to other companies, but these companies are not physically located in the community. During the 2003 to 2009, the Adak processing plant was most activate from January through March followed by a relatively quiet period

from April through June, and then running about half-speed from July through September before activity tapering off from October into November. The A season Pacific cod fishery is the main source of income for the plant (and raw fish tax revenue for the City of Adak), accounting for about 75% of the plant revenue. The plant has the capability to process one million round pounds (454 mt.) of Pacific cod daily.¹

As noted in the October 2012 version of the Steller Sea Lion Protection Measures EIS, Chapter 10: Community Impacts, during 2004 through 2010, the Adak shoreplant accepted deliveries of Pacific cod from Area 541 every year. The shore-based processor accepted deliveries from Area 542 for every year 2004 through 2009, and accepted deliveries from Area 543 for every year 2004 through 2008. As part of the EIS, Adak Fisheries (now Adak Seafood) did provide a confidentiality waiver for harvest volume for the years 2002 through 2008. The volume of Pacific cod landings from the AI subarea processed at Adak Fisheries was substantial, accounting for an average of 63% of the total CV landings of Pacific cod from the AI subarea. In some years, the proportion of Pacific cod from the AI subarea landings processed at the shore plant was over 80%. The high level of processing at the Adak facility suggests an overwhelming importance the plant plays in the AI Pacific cod fishery. The vast majority of AI Pacific cod comes from Area 541.

With no other shore-based processor in the community, the Pacific cod processing activity at the Adak shoreplant accounted for a large proportion of effort and local employment in Adak. The A season Pacific cod fishery “overwhelms anything else that happens during the rest of the year, not just in terms of volume at the plant, but in terms of crew utilizing local businesses (the fuel, dock, store, and bar); without A season cod, the plant does not survive” (EDAW 2008).

Again citing information from Chapter 10 of the Steller sea lion EIS, one of the difficulties of the Adak shoreplant has been the numerous ownership changes since its establishment in 1999 as Adak Seafoods. In mid-July 2000, Norquest became a predominant partner. In January 2002, Icicle Seafoods became a relatively equal partner in the operation, which operated as Adak Fisheries, LLC. Other ownership changes ensued, although until recently, the company still operated as Adak Fisheries, LLC. In 2009, the price of Pacific cod dropped to less than half of the 2008 price. As a result, Adak Fisheries, LLC. struggled to meet its financial obligations, and in the end, filed for Chapter 11 bankruptcy in September 2009. During 2010 and 2011 fishing years, financial difficulties surrounding the Adak shoreplant resulted in no processing of Pacific cod. In 2012, the shoreplant was once again open for business, processing a large portion of Area 541/542 Pacific cod. In April 2013, Icicle Seafoods closed its operation in Adak citing concerns about the health of the region’s Pacific cod resource and increased regulatory uncertainty surrounding AI Pacific cod. In June 2013, the City of Adak was the highest bidder in an auction for the processing equipment formerly owned by Adak Seafood, LLC. The intent of the purchase by the City was to keep the processing equipment in place as a turnkey operation in order to facilitate the expedited reopening of the plant. In September 2013, Aleut Corporation’s subsidiary Aleut Fisheries signed a 20-year lease with Adak Cod Cooperative to operate the Adak seafood processing facility.

In a discussion on January 23, 2014, with John Lowrance, President of Adak Cod Cooperative, the Adak seafood processing facility underwent significant changes. The Adak seafood processing facility has been renovated from a headed and gutted operation into a fillet operation. The renovated shore plant will begin processing AI Pacific cod in early February utilizing six trawl CVs, four greater than 60’ in length and two that are 58’ in length. Given the limited AI Pacific cod ITAC for the 2014 fishing year, Mr. Lowrance indicated during the discussion that US Seafoods, working closely with Adak Cod Cooperative, agreed to process only incidental caught AI Pacific cod while targeting other AI fisheries, which allows for a greater share of the AI Pacific cod to be processed at Adak seafood processing facility.

Atka

¹ Source: Dave Fraser, Adak Community Development Corporation, July 2013.

Atka is located on Atka Island towards the end of the Aleutian Island archipelago. Atka is a CDQ community, represented by APICDA, and has a small onshore processor (Atka Pride Seafoods) which serves the local fleet and employs local residents. The processing plant is a joint venture between APICDA Joint Ventures and the Atka Fisherman's Association. They formed Atka Pride Seafoods in 1994, began processing in 1995, and have processed every year since. The primary species processed are halibut and sablefish, and the commercial fleet delivering to Atka is involved mainly in those fisheries. The shore processor recently completed a \$4 million expansion, and will begin another major round of improvement in 2014 to make the plant a year-round operation. Once these improvements are completed sometime in 2014 or 2015 at the latest, the processing capacity of the shoreplant will be up to and no more than 400,000 round pounds of Pacific cod per day (181 mt.)².

Impacts of AI Pacific Cod Allocation and Regionalized Delivery Requirement

Catcher Vessel Allocation

This section provides a brief description of the CV direct fishing allowance (TAC minus CDQ and ICA) of Area 541/542 Pacific cod to the CV sectors and its potential impacts. As noted in Table 11, amongst the CV sectors, trawl vessels consistently harvested the greatest portion of Area 541/542 Pacific cod amongst all the CV sectors. Between 2003 and August 2013, the trawl CV sector harvested 56% of the total Area 541/542 Pacific cod. The other sectors that have harvested a sizable portion of Area 541/542 Pacific cod during the 2003 through August 2013 period are the trawl CP sector at 30% and hook-and-line CP sector at 10%. In 2012 and 2013, the pot CV sector contributed an increasing portion of Area 541/542 Pacific cod harvest.

An Area 541/542 Pacific cod allocation to the CV sectors would cause the displacement of historical CP sector participants from the fishery. As noted in Table 11, from 2003 through August 8, 2013, the trawl CP sector harvested the largest CP proportion of Area 541/542 Pacific cod at 30% followed by the hook-and-line CP sector at 10%. Depending on the proportion of the allocation of Area 541/542 Pacific cod to the CV sector, these two CP sectors could be impacted from this allocation. As noted in Table 14, the average annual first wholesale value of Area 541/542 Pacific cod fishery for the trawl CP sector was \$8.5 million, while the average annual first wholesale value of the Area 541/542 Pacific cod fishery for the hook-and-line CP sector was \$2.8 million. Depending on the portion of the Area 541/542 Pacific cod allocated to the CV sectors, these CP sectors will likely lose some portion of the first whole value earned from harvesting and processing of Area 541/542 Pacific cod. Although the CP sectors could catch their portion of the sector's Pacific cod allocation in the BS to compensate for the loss of AI Pacific cod, there are disadvantages to the CP sectors from being displaced from the AI Pacific cod fishery. Antidotal reports indicate that AI Pacific cod are larger in size and command a higher price in the marketplace than BS Pacific cod. If true, then some portion of the AI Pacific cod first wholesale value cannot be replaced from harvest of BS Pacific cod. In addition, there are likely some economies of scale for some CP vessels that operate in this fishery in addition to other AI fisheries, so a loss of the AI Pacific cod fishery could increase costs for these CP vessels through a loss of economies of scale. Finally, a CV allocation could result in more localized pressure on the Pacific cod located around Adak and Atka since CV trawl vessels tend to fish for Pacific cod in those areas versus CP trawl vessels (see Figures 4 through 7).

² Source: Larry Cotter and John Sevier, APICDA, August 2013.

Table 14 First wholesale value for the hook-and-line CP and trawl CP sectors from Area 541/542 Pacific cod fishery from 2003 through 2012

Year	Hook-and-line	Trawl	Total
2003	927,728	12,697,806	13,625,533
2004	2,979,410	10,098,668	13,078,078
2005	2,948,300	9,841,072	12,789,371
2006	3,227,198	11,618,236	14,991,153
2007	1,625,864	19,923,755	21,837,486
2008	3,775,964	6,359,927	13,294,625
2009	2,735,344	4,127,668	7,609,310
2010	2,800,298	4,834,063	8,724,419
2011	1,936,897	2,435,413	4,381,610
2012	4,704,585	3,134,642	7,839,227
Average	2,766,159	8,507,125	11,817,081

Source: AKFIN Comprehensive Blend Catch Accounting.

Table originates from pivot file 541542_PCOD_CP(09-04) and AI_Pcod_Allocation Oct 2013.

Another potential effect from an allocation of Area 541/542 Pacific cod to the CV sectors is the risk that in some circumstances, there may not be enough fishing capacity to harvest all of Area 541/542 Pacific cod allocation. It is likely that this risk increases as the portion of Area 541/542 Pacific cod allocated to the CV sectors increases. As noted above, the trawl CV sector has harvested the largest portion of Area 541/542 Pacific cod from 2003 through August 8, 2013, at 56%. With the exception of the recent increase harvest by the pot CV sector, all other CV sectors harvest significantly smaller quantities of Area 541/542 Pacific cod. As a result, in those unusually circumstances when the trawl CV sector harvests all of their A season BSAI sector allocation in BS prior to harvesting their CV allocation in Area 541/542, there is a risk that a large portion of the CV allocation would remain unharvested.

One way to avoid the risk of stranding Pacific cod is to open the fishery to other vessels. If the trawl CV sector does not have sufficient A season BSAI Pacific cod allocation to harvest the Area 541/542 Pacific cod during the A season fishery, NMFS could authorize the CP sectors to harvest Area 541/542 Pacific cod. The difficulty of this approach is the timing of the AI Pacific cod fishery. As noted in Figure 12 and Figure 13, the AI Pacific cod fishery tends to immediately follow the BS Pacific cod fishery. Assuming this trend continues in the future, once notified of the opening, there may not be sufficient time for CP vessels to move into the AI Pacific cod fishery in sufficient numbers to harvest the entire A season limit.

Another approach that might be used to address potential stranding of Area 541/542 Pacific cod is to open deliveries of Pacific cod to other processors at higher area catch limit levels. It is assumed that this approach would require Area 541/542 Pacific cod to be delivered to AI shoreplants when the area limit is below a specific amount, and when the area limit exceeds that specific amount, any amount over that area limit could be delivered to processors other than AI shoreplants. An important element of this approach is determining an appropriate area limit that would trigger open deliveries. Too high of an area limit would likely result in stranded Area 541/542 Pacific cod, while too low of an area limit would likely reduce the benefits of the delivery requirement. Table 12 provides some historical context for Area 541/542 Pacific cod harvest and processing by the shoreside processors, recognizing that shoreside landings reported in this table include not only Adak, but Akutan, Dutch Harbor, and other Alaska communities. Other factors that could be used to set an appropriate area limit for open deliveries is the number of processing days for A season Area 541/542 Pacific cod, which is approximately 28 days under current RPA limitations (Figure 14), combined with processing capacity of the two shoreplants. For Adak, the reported processing

limit is 1 million round pounds per day (454 mt)³, and for Atka the processing limit is up to but no more than 400,000 round pounds per day (181 mt)⁴. Extrapolating the processing capacity of the two AI shoreplants over a 28 day fishery, both shoreplants combined could process a maximum of 17,780 mt. This maximum production capacity of the two shoreplants over a 28 day period could be used as area limit that would trigger open deliveries.

Regionalized Delivery Requirement

The regulations define a shoreside processor as any person or vessel that receives, purchases, or arranges to purchase, unprocessed groundfish except CPs, motherships, buying stations, restaurants, or persons receiving groundfish for personal consumption or bait (§ 679.2). The definition of a shoreside processor does not specifically exclude a stationary floating processor (SFP), which is defined as a vessel of the United States operating as a processor in Alaska State waters that remains anchored or otherwise remains stationary in a single geographic location while receiving or processing groundfish harvested in the GOA or BSAI. If the Council wants to exclude SFPs from regionalized delivery requirement, the Council should be explicit in its motion to exclude SFPs.

Unlike previous regionalized delivery requirements that were mandated by Congress or based on the authority in the Limited Access Privilege Program (LAPP) of the Magnuson-Stevens Act (MSA), this delivery requirement would likely rely on a two relatively broad and discretionary management measures of the MSA for Council authority. Specifically, the MSA provides a definition of “fishing community” and the MSA also require fishing communities to be considered in the development of the fishery impact statement. In the MSA, the term “fishing community” is defined as a community which is substantially dependent on or substantially engaged in the harvest or processing of fishery resources to meet social and economic needs, and includes fishing vessel owners, operators, and crew and U.S. fish processors that are based in such communities. In addition, National Standard 8 requires that conservation and management measures in fishery management plans “shall, consistent with the conservation requirements of this Act take into account the importance of fishery resources to fishing communities in order to (1) provide for the sustained participation of such communities, and (2) to the extent practicable, minimize adverse economic impacts on such communities.”

Although National Standard 8 recognizes the importance of fishery resources to fishing communities and requires the Council to consider community impacts, there is a fundamental question of how to balance the requirements of this standard with the other national standards in the MSA. National Standard 8 states that “conservation and management measures shall, consistent with the conservation requirements of this Act (including the prevention of overfishing and rebuilding of overfished stocks), take into account the importance of fishery resources to fishing communities...” [MSA 301(a)(8)]. Thus, it is fairly clear that measures to protect community interests must remain consistent with the overall conservation goal of fisheries management to “prevent overfishing, while achieving, on a continuing basis, the optimum yield from each fishery for the United States fishing industry.” [MSA 301(a)(1)]. In effect, if a core conservation measure is necessary, it follows that community interests are of secondary priority. However, greater ambiguity exists when balancing interests under National Standard against one another, as there is no explicit hierarchy to their importance. Requirements that the Council consider efficiency in the utilization of fishery resources, as state in National Standard 5, for example, may or may not take precedence over the consideration of community interests under National Standard 8 (Kimball, 2003).

If the Council moves forward with a regionalized delivery requirement for the AI Pacific cod fishery, it will be useful for the Council to identify their specific goals associated with an allocation of Area 541/542 Pacific cod to the CV sectors with a regionalized delivery requirement to AI shoreplants, of which there

³ Source: Dave Fraser, Adak Community Development Corporation, July 2013.

⁴ Source: Larry Cotter and John Sevier, APICDA, August 2013.

are only two in the foreseeable future and how those goals meet the MSA and different National Standards.

Since Adak and Atka are currently the only AI communities with the potential AI shorebased processing facility at this time, these processors are likely the only communities that will benefit from a regionalized delivery requirement. Despite the absence of a local CV fleet, Adak does receive a significant benefit through shore-based processing of Pacific cod from Area 541/542 Pacific cod, and as a port of goods and services for CVs and CPs immediately before and after the Area 541/542 Pacific cod fishery. As note in Table 15, the exvessel value paid to the CVs delivering Area 541/542 Pacific cod to the shoreside processors ranged from \$29 thousand in 2011 to \$9.9 million in 2007. Looking at the first wholesale value of Area 541/542 Pacific cod delivered to shorebased processing plants ranged from a low of \$73 thousand in 2011 to a high of \$16.9 million in 2007.

Alternatives 2 and 3 from the Steller sea lion EIS could provide an allocation to trawl and non-trawl CV sectors. As noted in Table 8, the Steller sea lion EIS places limits on trawl and non-trawl CP sector catches in Area 541/542 and Area 543, so at a minimum, if the CP vessels harvest the full amount of Area 541/542 Pacific cod available, 52% of the area Pacific cod TAC would be available for the trawl CV and non-trawl sectors. However, since the Steller sea lion EIS does not restrict delivery of Area 541/542 Pacific cod, some if not all of this Pacific cod could be delivered to motherships or CPs acting as motherships. As noted in Table 9, the 52% of Area 541/542 Pacific cod TAC would be 2,399 metric tons during the 2014 fishing season. A requirement to deliver that 52% of Area 541/542 Pacific cod to AI communities with shorebased processors could provide some economic activity. This activity would likely occur January through March and from July through September. The Council could provide a greater allocation of Area 541/542 Pacific cod than the 52% that could be allocated to the CV sectors from the Steller sea lion EIS. Given the dependency of Adak on shore-based processing of Pacific cod from the AI, substantial community-level impacts in the form of increased economic activity are anticipated for Adak from a CV allocation coupled with a delivery requirement to AI communities with shorebased processors.

In contrast to the increased economic activity for the Adak shoreplant, the offshore processing vessels will experience a reciprocal decline in the Area 541/542 Pacific cod economic activity. As noted in Table 15, the ex-vessel value and the first wholesale value of Area 541/542 Pacific cod fishery for the offshore group has been similar to the shoreside group. The ex-vessel value paid to CVs delivering Area 541/542 Pacific cod to offshore processors ranged from a low of \$1.1 million in 2006 to high of \$8 million in 2008. First wholesale value ranged from a low of \$1.8 million in 2005 to a high of \$13 million in 2011.

Table 15 Ex-vessel and first wholesale value of Area 541/542 Pacific cod for the offshore processing and shoreside processing

Year	CV deliveries to AFA/Crab/AM80 motherships and floaters for Areas 541 & 542 Pacific cod		Shoreside landings for Areas 541 & 542 Pacific cod ¹		Total ex-vessel value for Areas 541 & 542 Pacific cod (\$)	Total wholesale value for Areas 541 & 542 Pacific cod (\$)
	Ex-vessel value (\$)	Wholesale value (\$)	Ex-vessel value (\$)	Wholesale value (\$)		
2004	1,438,632	4,215,241	4,940,733	8,960,770	6,379,365	13,176,012
2005	834,218	1,851,187	3,418,533	8,628,638	4,252,751	10,479,825
2006	1,117,861	2,082,272	3,696,228	6,890,168	4,814,089	8,972,439
2007	2,005,352	3,884,692	9,922,846	16,900,350	11,928,197	20,785,042
2008	8,011,571	11,668,067	5,952,529	8,407,745	13,964,100	20,075,812
2009	1,638,430	3,313,337	4,432,902	9,824,832	6,071,332	13,138,169
2010	4,061,626	11,950,463	142,547	418,484	4,204,173	12,368,947
2011	4,705,230	13,024,867	29,351	73,322	4,734,582	13,098,189
2012	1,734,501	4,654,657	3,349,148	7,941,192	5,083,650	12,595,849

Source: AKFIN Comprehensive Blend Catch Accounting.

Table originates from pivot file BSAI_Pood_Value (08-15) and AI_Pood_Allocation Oct 2013.

As a port of goods and services for vessels participating in the AI Pacific cod fishery, Adak receives a substantial amount of economic activity. Depending on the proportion of Area 541/542 Pacific cod to the CV sectors, the benefits to Adak from the shorebased processing could increase. As noted in Chapter 10

of the Steller Sea Lion Protection Measures EIS, CV port visits associated with the AI Pacific cod fishery make up virtually all of the CV groundfish target-related port visits in Adak in 2004 through 2011. Again, this confirms the high degree of dependency of Adak on CV port visits while targeting Area 541/542 Pacific cod.

One of the impacts of allocating Area 541/542 Pacific cod to CV with delivery requirements to AI communities with shorebased processors is the potential reduction in CP port visits, which, as indicated in the Steller Sea Lion Protection Measures EIS, Chapter 10: Community Impacts, may be a source of significant economic activity for AI communities. Vessels may use these port visits for crew transfers, provisions, fueling, product offloads, and purchases of other local goods and services, among other activities. For Adak in particular, support services related to CP port calls make up a substantial portion of the local fishing economy. As a result, allocations of Area 541/542 Pacific cod to the CV sectors greater than Steller sea lion EIS Pacific cod limit for CPs will likely result in lost economic activity for Adak from CP port visits. In addition, as with other constraints on landings, regionalized delivery requirements can reduce market and processing innovations that might be developed without the constraint.

One concern of a regionalized delivery requirement for CV participants is the limited leverage they could have in price negotiations of harvested AI Pacific cod. Since Adak and Atka are currently the only AI communities with AI shorebased processing facility to process harvested AI Pacific cod, competition amongst these shorebased processors for deliveries of AI Pacific cod from CVs would likely be limited and the CV participants could potential be price takers in this limited buyer market.

A potential source of negotiating leverage for trawl CV participants could depend on the availability of other Pacific cod fishing opportunities. With fishing opportunities abound in the BS Pacific cod fishery, AI shorebased processors would likely have to offer a price for AI Pacific cod comparable to the price for BS Pacific cod otherwise the CV participants would continue fishing in the BS Pacific cod fishery. This negotiating leverage diminishes as the availability of BS Pacific cod fishing opportunities diminishes.

Exemption of Regionalized Delivery Requirements of AI Pacific cod

There may be a need for an exemption from delivery requirements given the following reasons: 1) there will likely only be two AI shoreplants in the immediate future, 2) the Adak shoreplant has an inconsistent processing history over the last decade, 3) and the Atka shoreplant is estimated to only be capable of processing 5,068 mt of Pacific cod in a 28 day period. Recognizing this limitation in a regionalized delivery requirement, the Council requested the paper include a discussion of a potential waiver to the delivery requirement. In addition, the Council also requested the paper include the experiences under the Western Aleutian Island golden king crab regional delivery requirements implemented in the BSAI crab rationalization program.

Currently, only the Adak shoreplant has the potential to process a significant amount of Area 541/542 Pacific cod. The processing capacity of the two plants combined during a four-week period is approximately 17,780 mt. Comparing this processing capacity to the current Area 541/542 Pacific cod area limit under SSL Alternatives 2 and 3 (Table 8) and existing harvest of Area 541/542 Pacific cod under the existing RPA limitations (Table 10), there appears to be sufficient processing capacity. However, if the Adak shoreplant is not operating, the one remaining plant may not have the capacity to process all of the Area 541/542 Pacific cod, which will result in stranding of AI Pacific cod.

One approach to address insufficient processing and stranding of Area 541/542 Pacific cod would be to have no delivery requirement after a specific date. After that specific date, Area 541/542 Pacific cod could be delivered to either offshore processors or shoreplants in the AI or outside the AI. However, one of the difficulties of this approach is the short AI Pacific cod fishery. As noted in Figure 13 and Figure 14, the AI Pacific cod fishery occurs in a relatively short two month period early in the fishing year

(February and March). This is due to Pacific cod aggregating in the Aleutian Islands during this time period, allowing efficient harvest by trawl vessels. Once the aggregation of AI Pacific cod has passed, catch of AI cod diminishes significantly due to a loss of harvest efficiency. To effectively address the loss of processing capacity from a closure of the Adak shoreplant using this approach, NMFS would have exempt delivery requirements prior to the opening of the A season. This would allow processing of Area 541/542 Pacific cod in other shoreplants and offshore.

Another approach may be to have NMFS exempt regionalized delivery requirements prior to the A season AI Pacific cod fishery if the Adak plant indicates it will not take deliveries of Pacific cod. This approach is similar to the exemption processed used in the Western Aleutian Islands golden king crab fishery.

In the Western AI golden king crab fishery, participants in the past had voiced concerns with processing capacity. Specifically, the crab rationalization program required that 50% of the catcher vessel Class A IFQ be landed in the area west of 174° West longitude (the West region). The purpose of this delivery requirement was to support processing facilities in the remote West region. In the past, shore-based crab processing in the west region occurred only at the Adak shoreplant. The 2009/2010 Western Aleutian Islands golden king crab TAC was 2.835 million pounds, with 283,500 pounds for the Adak community allocation. The fleet consists of two CVs and a one CP. Two individual processor quota (IPQ) holders hold nearly 99% of the entire West designated individual processor quota. The season starts on August 15 and ends on May 15 of the following year.

In August of 2010, the operator of the Adak shoreplant filed for bankruptcy. Closure of the Adak plant precluded the ability for CVs to delivery crab harvested with their West designated individual fishing quota (IFQ). West designated IPQ holders lacked a facility to process crab with their West designated IPQ. The bankruptcy filing prompted participants in the fishery to assert that an exemption from the regional landing requirement should be available to address a shortage of processing capacity in the West region. In response, the Council recommended the NMFS undertake emergency rulemaking provide a regional landing exemption in the 2009-2010 season, which was implemented February 18, 2010 and extended August 17, 2010 and was in effect through February 20, 2011. At the same time the Council advanced Amendment 37 to the crab program which provided an exemption from the West region landing requirement, in the event that qualifying interested parties agree to that exemption. Amendment 37 was implemented on April 25, 2011.

Amendment 37 established regulations for eligible contract signatories in the Western Aleutian Islands golden king crab fishery to apply for an exemption to the West regional delivery requirements that apply to all West-designated IFQ and IPQ holders. Contract signatories include quota share holders with 20% of the West-designated quota share, processor shareholders with 20% of the West-designated quota share, and the municipalities of Adak and Atka. The regulations allow these signatories to complete an application to NMFS requesting an exemption from the West regional delivery requirements. Eligible participants could submit an application to NMFS anytime during the crab fishing year. Upon approval of the application, NMFS exempts all West-designated Class A IFQ and IPQ from the West delivery requirements for the remainder of the crab fishing year. Such an exemption enables all West-designated Class A IFQ and IPQ holders to deliver and receive Western Aleutian Islands golden king crab at processing facilities outside of the West region. Since implementation in February, 2011, NMFS has approved an application for annual exemption for this crab fishery for the 2011/2012 crab fishing year and the 2012/2013 crab fishing year. Although the application for an exemption has not been submitted for the 2013/2014 crab fishing year, it is likely an application will be submitted given the Adak plant is closed at this time.

Given the experience with the AI crab delivery requirements, the Council may want to include an exemption from regionalized delivery requirements of AI Pacific cod to AI shoreplants if the Adak shoreplant is closed. However, since the Western AI golden king crab is a limited access program and the

AI Pacific cod fishery is not, the approach used to exempt Western AI golden king crab fishery from the regional delivery requirements may not be the appropriate approach. Another approach for the AI Pacific cod fishery may be to have NMFS exempt regionalized delivery requirements prior to the A season AI Pacific cod fishery if the Adak shoreplant indicates it will not take deliveries of Pacific cod.

List of Prepares

Jon McCracken, NPFMC
Mike Fey, NPFMC
David Witherell, NPFMC
Mary Furuness, NMFS
John Lepore, NOAA GCAK

Persons Consulted

John Lowrance, Adak Cod Cooperative
David Fraser, ACDC
Larry Cotter, APCIDA
John Sevier, APCIDA
Pat Hardina, Icicle Seafoods, Inc.
Nicole Kimball, ADFG
Mark Fina, U.S. Seafoods, LLC

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