

# State-Waters Pacific Cod Fishery Review and Proposals of Mutual Interest

Joint Protocol Committee Meeting  
October 17, 2018



# Jurisdiction

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- **Federal Waters** = EEZ waters from 3–200 nmi offshore under federal management jurisdiction

## Federal Pacific Cod Groundfish Management Areas (5)

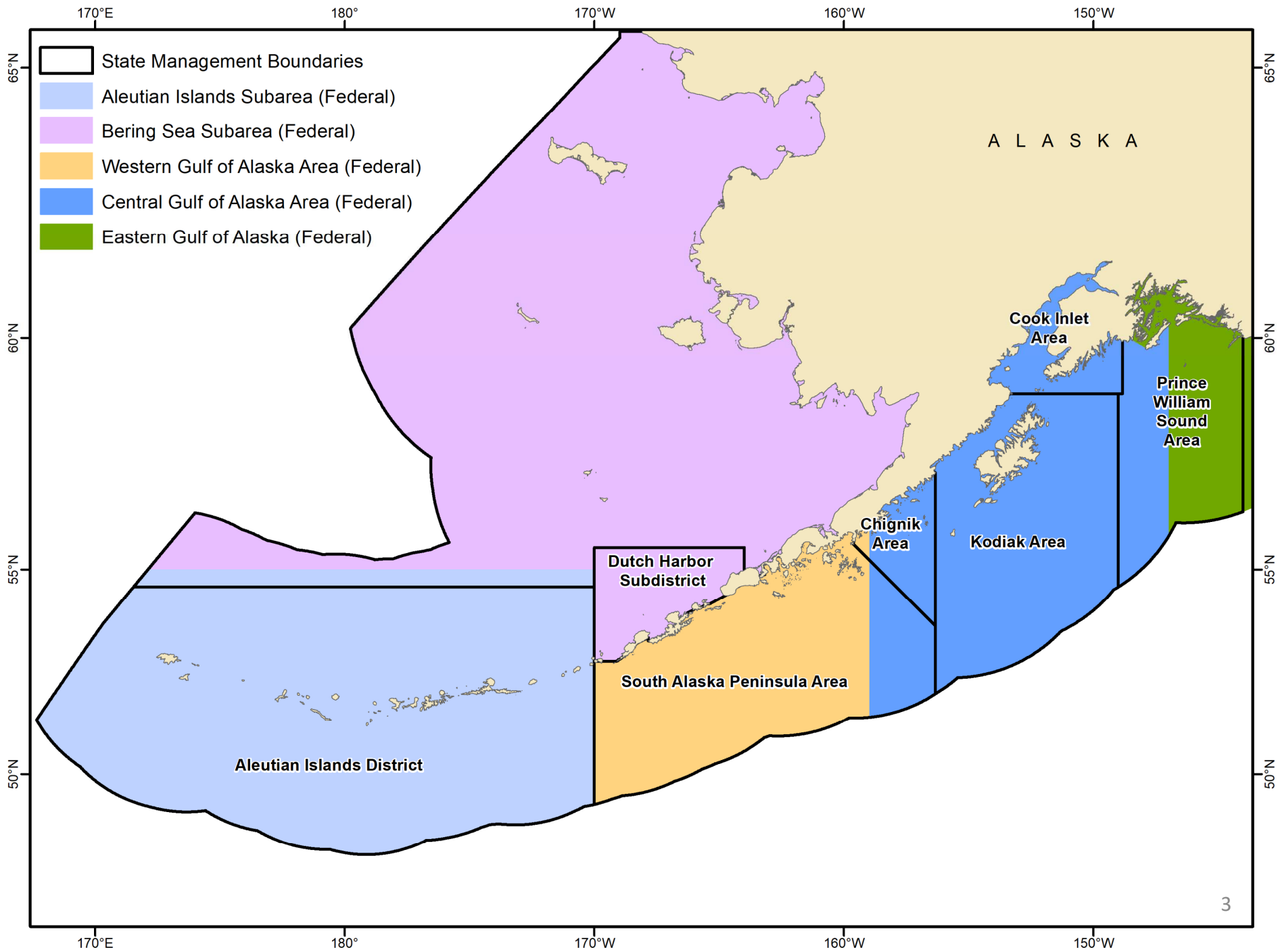
- **EGOA** = Eastern Gulf of Alaska
- **CGOA** = Central Gulf of Alaska
- **WGOA** = Western Gulf of Alaska
- **BS** = Bering Sea
- **AI** = Aleutian Islands

- **State Waters** = Waters from 0–3 nmi offshore under state management jurisdiction

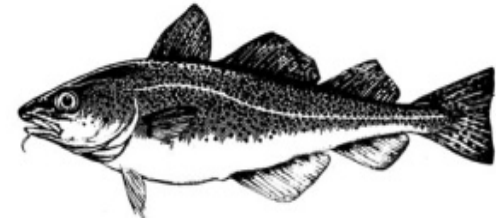
## State Pacific Cod Groundfish Management Areas (8)

- Eastern Gulf of Alaska (SE Alaska)
- Prince William Sound
- Cook Inlet
- Kodiak
- Chignik
- South Alaska Peninsula
- Dutch Harbor Subdistrict
- Aleutian Islands District





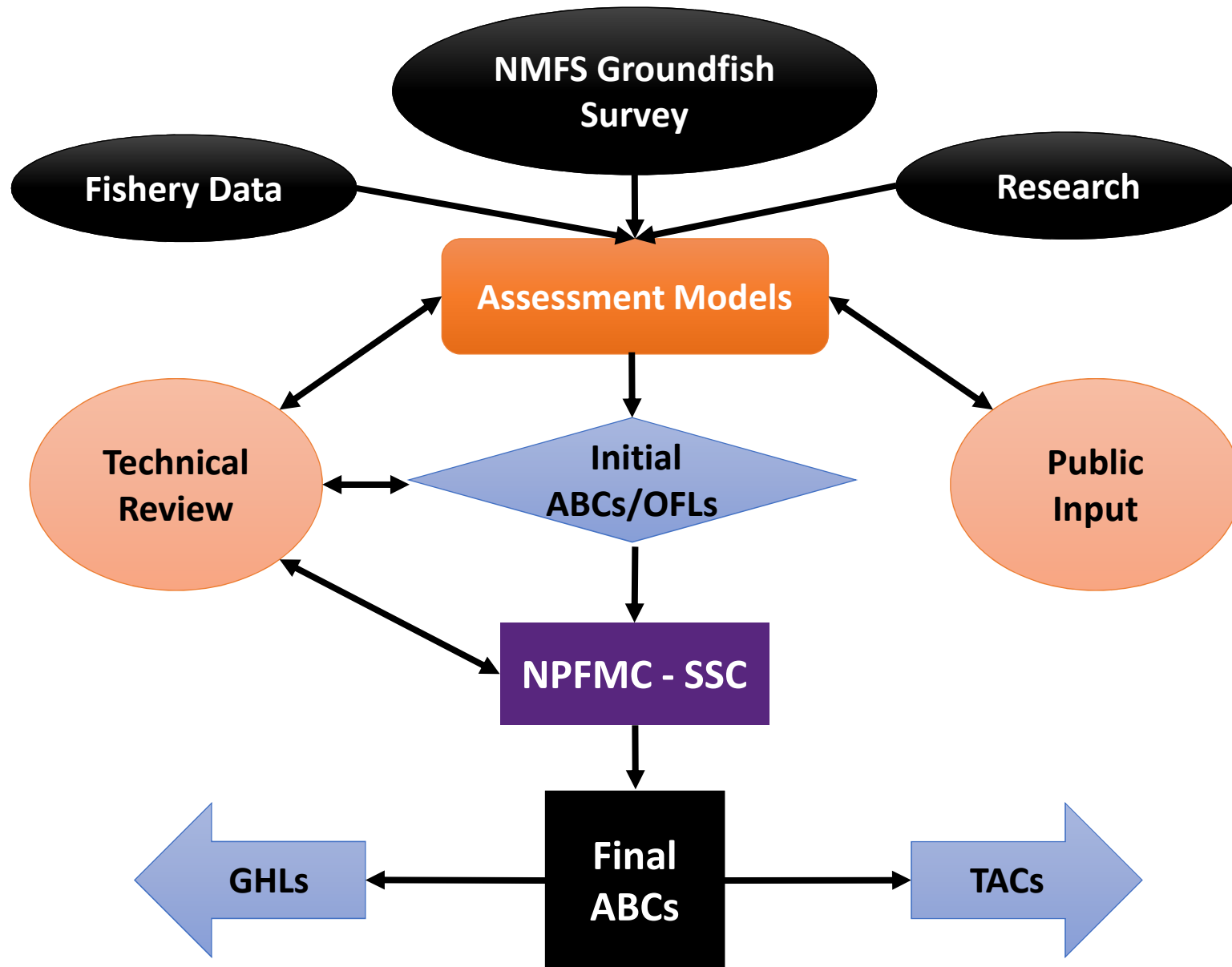
# Alaska Pacific Cod Fisheries:



- **Federal:** Federal waters (3–200 nmi) guided by NPFMC process. Harvest deducted from federal TAC.
- **Parallel:** State waters (0–3 nmi) concurrent with adjacent federal fishery and generally adopt federal regulations and management measures as guided by the board process. Harvest deducted from federal TAC.
- **State-Waters (GHL):** State waters (0–3 nmi) guided by the board process. Harvest deducted from state GHL.

# Pacific Cod Stock Assessment Process

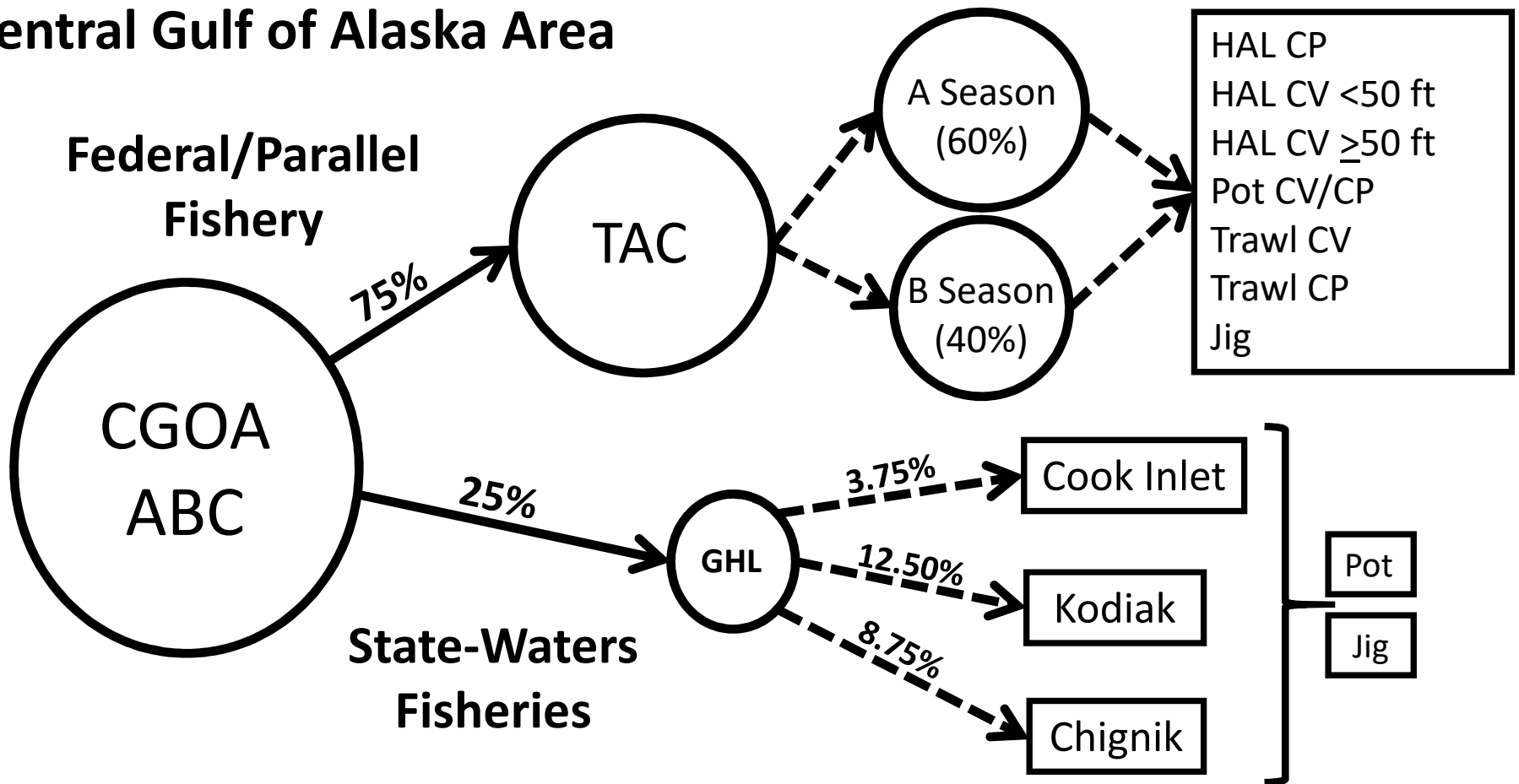
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# Harvest Limits

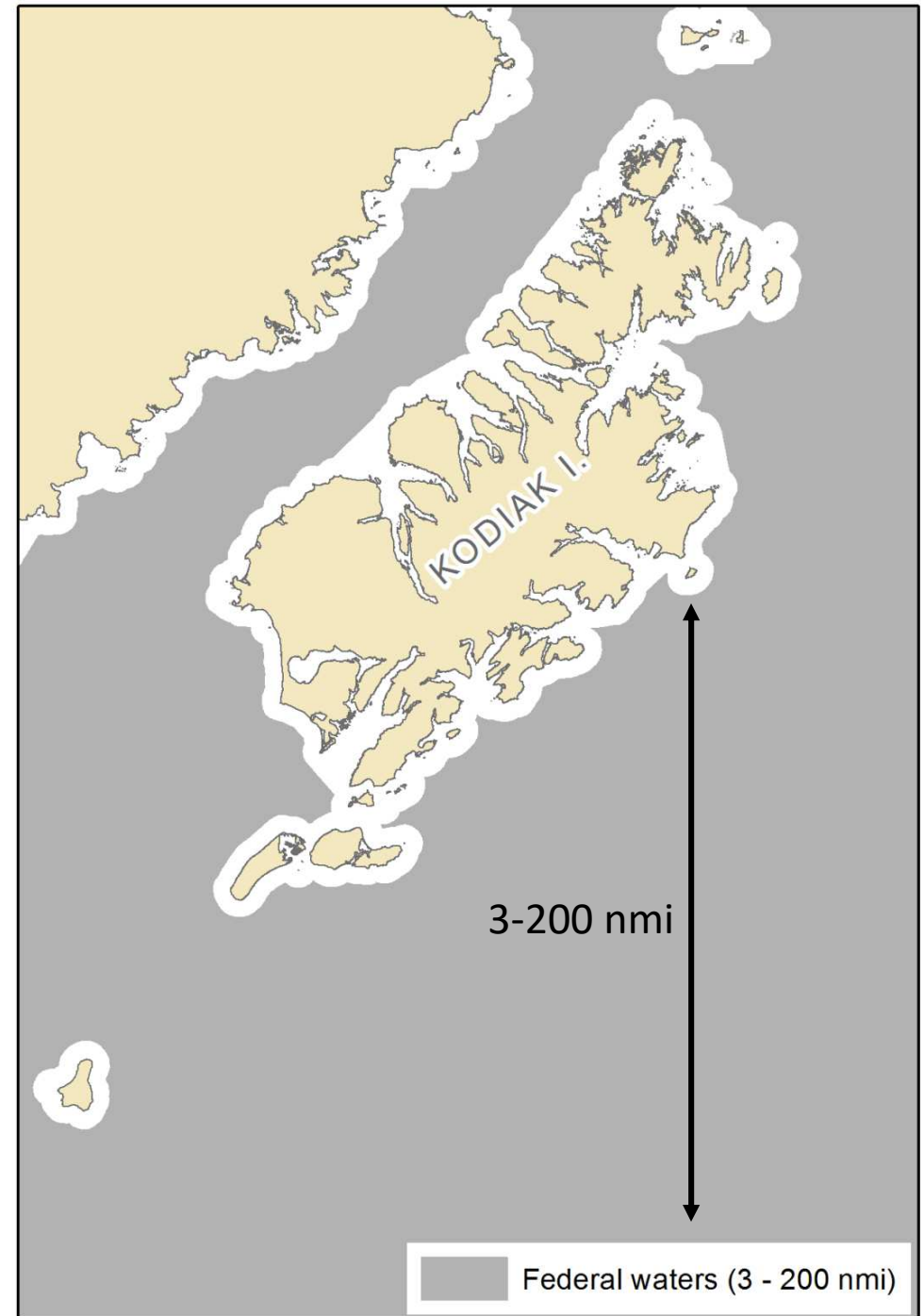
- **ABC** - Acceptable Biological Catch (Federal: EGOA, CGOA, WGOA, BS, AI)
- **TAC** - Total Allowable Catch (Federal/Parallel Fisheries)
- **GHL** - Guideline Harvest Level (State-Waters Fisheries)

## Central Gulf of Alaska Area



# Federal Pacific Cod Fishery

- Harvest limit (TAC) based on fixed % of Pacific cod ABC
  - GOA: 70-75%
  - Bering Sea: 93%
  - Aleutian Islands 60-70%
- Limited access
- Gear sectors: trawl, longline, pot and jig gear
- Allocation: gear, vessel size, processing sector (C/V, C/P, motherships, CDQ, other ground fisheries)
- Steller sea lion (SSL) protection measures (closed waters, A/B seasons)
- Observer program



## Parallel Pacific Cod Fishery

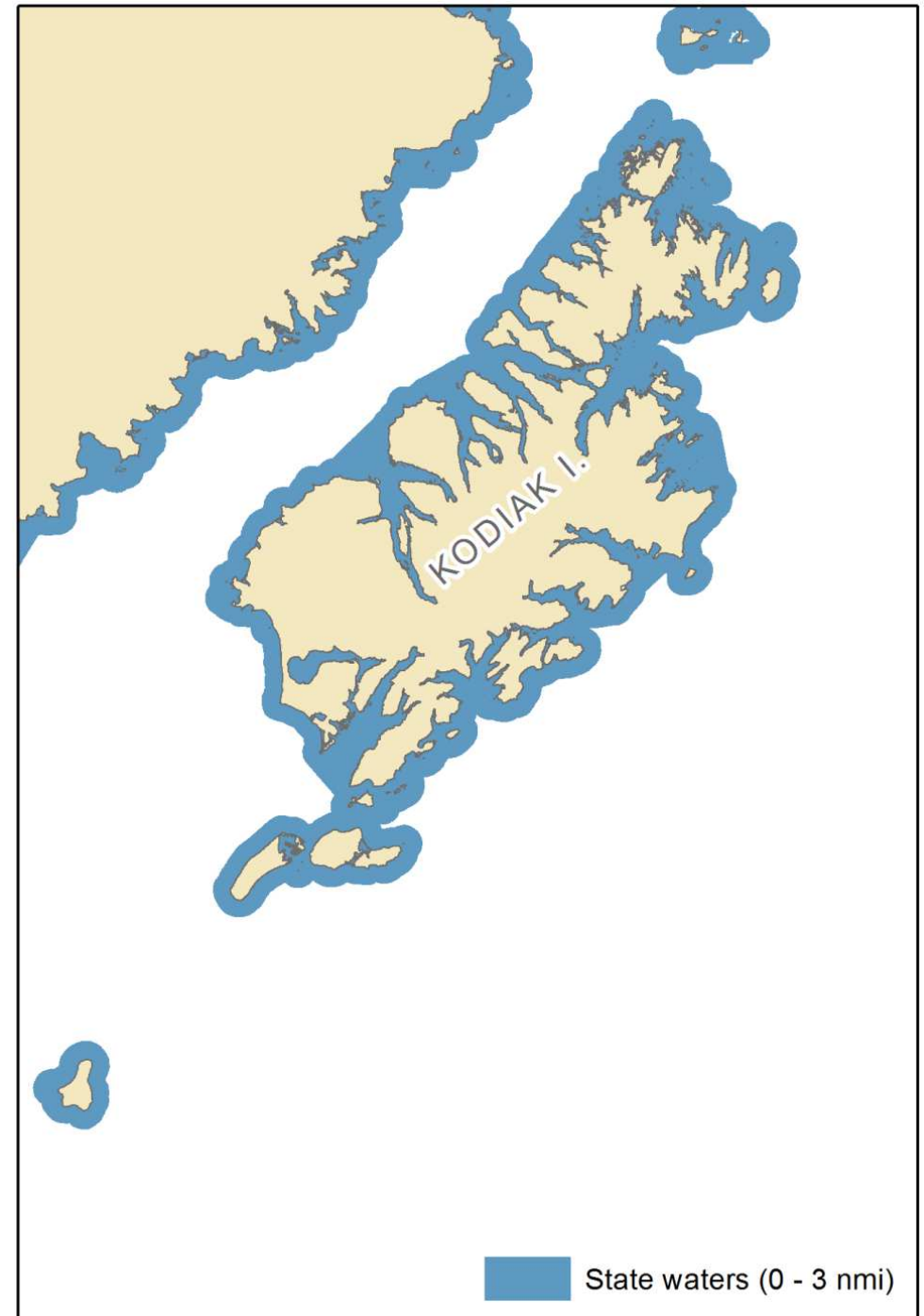
- State waters 0–3 nmi
- Opened concurrent to federal fishery by state EO
- Shared TAC with federal fishery
- Open access (FFP/LLP not required)
- Most gear sectors: trawl, longline, pot and jig gear (bottom trawl restrictions)
- Some vessel length restrictions (58 ft maximum Chignik, S. Peninsula, AIS)
- Most SSL protection measures
- Observer requirements only for federally permitted vessels





## State-Waters Pacific Cod Fishery

- Harvest limits (GHL) based on % of federal Pacific cod ABCs
  - GOA: 25- 30%
  - Bering Sea: 6.4%
  - Aleutian Islands 27-39%
- Open access - registration exclusivity (nonexclusive, exclusive, superexclusive)
- Seasons open after federal/parallel fisheries close
- Pot and jig gear (longline - PWS; longline and trawl - Aleutian Is.)
- Gear and vessel size limits
- Limited SSL protection measures
- No observer program



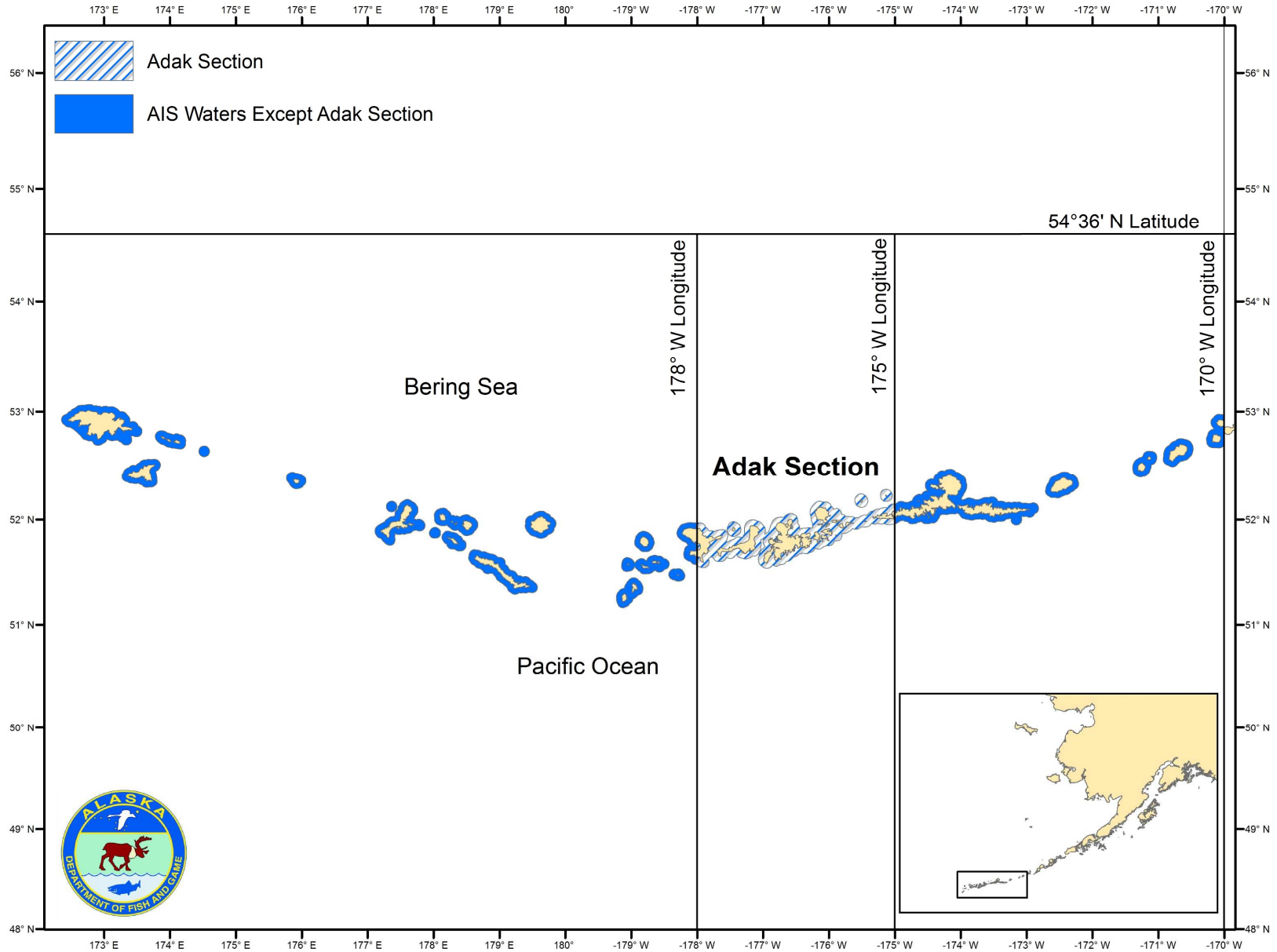
# 2018 BOF Pacific Cod Proposals

## 17 Proposals

*(Aleutian Islands, Bering Sea, GOA)*

- State-waters management plans: 10 Proposals  
(vessel, gear, and harvest limits, season dates, area boundaries)
- Parallel fisheries: 2 Proposals (SSL)
- State-waters with federal overlap: 5 Proposals  
(ABC allocations)

# Aleutian Islands Subdistrict (AIS)



# Aleutian Islands Subdistrict (AIS)



- Established 2006
- GHL: 27% federal AI ABC
  - Increase 4% per year to a max 39% of AI ABC
  - 15 million pound GHL limit
  - Pot, trawl, longline, jig
  - No gear allocations
- Seasons:
  - Jan 1 under 60 ft OAL (Adak Section)
  - Mid-March larger vessels
- 150,000 lb daily and trip limit

# Aleutian Islands Subdistrict (AIS)

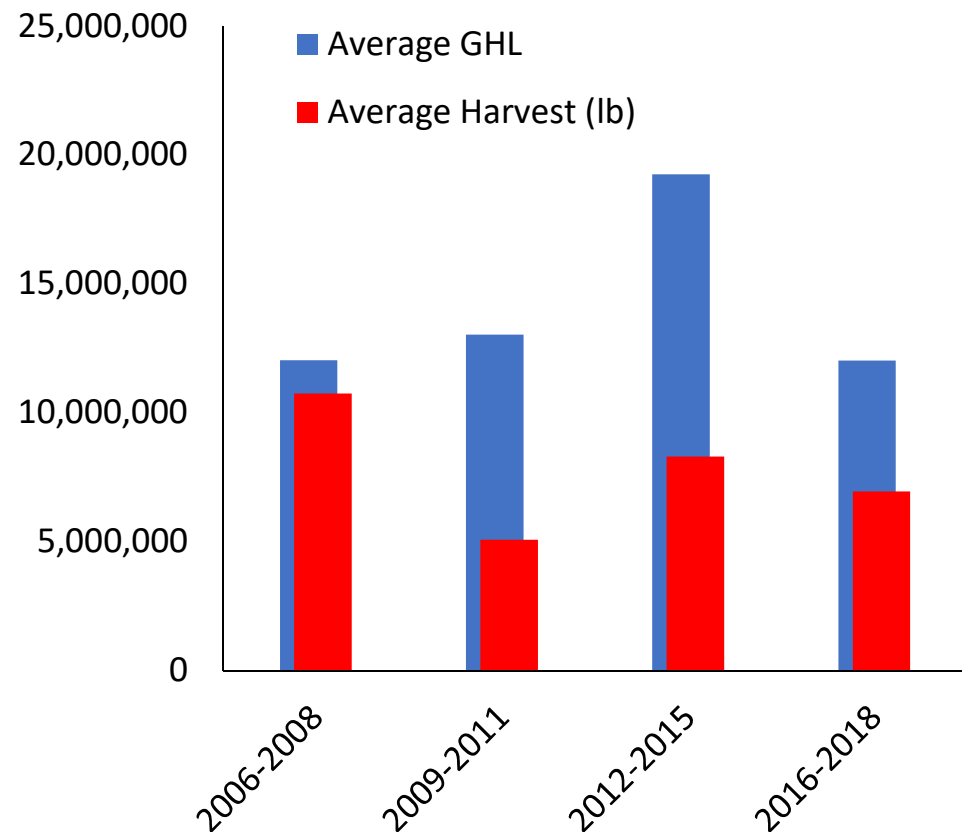
Year	Season	GHL	Harvest	GHL Achieved	Vessels	Landings	Average price per pound	Fishery value
2006	A season	8,981,540	8,502,781		26	68	\$0.23	\$1.30
	B season	3,849,232	352,821		5	19	\$0.38	\$1.40
	<b>TOTAL</b>	<b>12,830,772</b>	<b>8,855,602</b>	<b>N</b>	<b>30</b>	<b>87</b>	<b>\$0.31</b>	<b>\$2.70</b>
2007	A season	8,148,202	8,229,931		27	97	\$0.45	\$3.60
	B season	3,492,086	3,409,070		12	106	\$0.52	\$1.70
	<b>TOTAL</b>	<b>11,640,288</b>	<b>11,639,001</b>	<b>Y</b>	<b>39</b>	<b>203</b>	<b>\$0.49</b>	<b>\$5.30</b>
2008	A season	8,148,202	7,477,507		30	116	\$0.63	\$4.50
	B season	3,492,086	4,241,692		18	77	\$0.57	\$1.80
	<b>TOTAL</b>	<b>11,640,288</b>	<b>11,719,199</b>	<b>Y</b>	<b>45</b>	<b>193</b>	<b>\$0.61</b>	<b>\$6.30</b>
2009	A season	8,425,981	5,537,886		22	50	NA	NA
	B season	3,611,135	CF		5	47	CF	CF
	<b>TOTAL</b>	<b>12,037,116</b>	<b>CF</b>	<b>N</b>	<b>27</b>	<b>97</b>	<b>CF</b>	<b>CF</b>
2010	A season	8,055,608	7,959,514		16	84	\$0.25	\$1.60
	B season	3,452,404	826,170		3	4	\$0.32	\$1.10
	<b>TOTAL</b>	<b>11,508,012</b>	<b>8,785,685</b>	<b>N</b>	<b>16</b>	<b>88</b>	<b>\$0.29</b>	<b>\$2.70</b>
2011	A season	10,879,701	CF		3	4	CF	CF
	B season	4,662,729	CF		4	16	CF	CF
	<b>TOTAL</b>	<b>15,542,430</b>	<b>595,289</b>	<b>N</b>	<b>6</b>	<b>20</b>	<b>CF</b>	<b>CF</b>
2012	A season	14,537,132	11,462,339		21	201	\$0.31	\$3.60
	B season	6,230,200	953,312		7	25	CF	CF
	<b>TOTAL</b>	<b>20,767,332</b>	<b>12,341,027</b>	<b>N</b>	<b>26</b>	<b>226</b>	<b>CF</b>	<b>CF</b>
2013	A season	14,213,056	CF		12	CF	CF	CF
	B season	6,091,310	CF		1	CF	CF	CF
	<b>TOTAL</b>	<b>20,304,366</b>	<b>10,563,646</b>	<b>N</b>	<b>13</b>	<b>151</b>	<b>CF</b>	<b>CF</b>
2014	A season	12,504,712	CF		8	133	CF	CF
	B season	5,359,162	0		0	0	\$0.00	\$0.00
	<b>TOTAL</b>	<b>17,863,874</b>	<b>CF</b>	<b>N</b>	<b>8</b>	<b>133</b>	<b>CF</b>	<b>CF</b>
2015	A season	12,620,583	CF		2	CF	CF	CF
	B season	5,408,821	0		0	0	\$0.00	\$0.00
	<b>TOTAL</b>	<b>18,029,404</b>	<b>CF</b>	<b>N</b>	<b>2</b>	<b>CF</b>	<b>CF</b>	<b>CF</b>
2016		10,476,259	CF	N	6	39	CF	CF
2017		12,797,703	CF	N	3	84	CF	CF
2018		12,798,000	CF	Y	14	132	CF	CF



# Proposal 2

## Eliminate 15 million pound AIS GHL limit

- GHL: 27-39% of AI ABC
- Fishery historically underutilized
  - GHL achieved in 2007, 2008, and 2018
- Reduce likelihood of foregone harvest
  - No shore-based processor
  - Limited participation
- Proposals 3 & 4



# Proposal 5

## Increase the 2020 AIS GHL based on the amount of federal Amendment 113 set-aside not available due to unrestricted trawl harvest during the 2019 Aleutian Islands fishery

- Federal set-aside not recognized in state regulation
- Adopted in 2016 and first enacted in 2018
- May increase GHL by as much as 11 million pounds (5,000 mt)
- Not accrue toward 15 million pound cap
- May pre-empt federal fishery

TABLE 9a—FINAL 2018 BSAI A-SEASON PACIFIC COD LIMITS ALEUTIAN ISLANDS FOR SHOREPLANTS INTENTION TO PROCESS PACIFIC COD<sup>1</sup>

2018 allocations under Aleutian Islands CV Harvest Set-Aside	Amount (mt)
AI non-CDQ TAC .....	14,016
AI ICA .....	2,500
AI DFA .....	11,516
BS non-CDQ TAC .....	168,005
BSAI Trawl CV A-Season Allocation .....	29,768
BSAI Trawl CV A-Season Allocation minus Sector Limitation <sup>2</sup> .....	24,768
BS Trawl CV A-Season Sector Limitation .....	5,000
AI CV Harvest Set-Aside .....	5,000
AI Unrestricted Fishery .....	6,516

<sup>1</sup> These allocations will apply in 2018 because NMFS received notice of intent to process AI Pacific cod by October 31 of the previous year, pursuant to § 679.20(a)(7)(viii), and the performance requirements set forth in § 679.20(a)(7)(viii) are likewise met. Prior to October 31, 2017, NMFS received timely notice from the City of Adak indicating intent to process AI Pacific cod for the 2018 season. Accordingly, the harvest limits in Table 9a will be in effect in 2018, subject to the performance requirements outlined in § 679.20(a)(7)(viii).

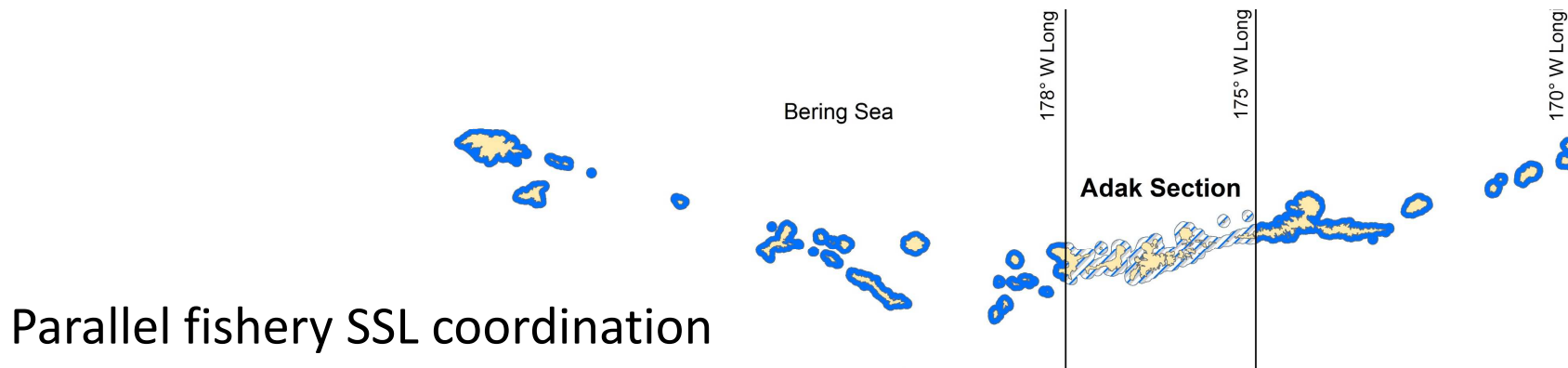
<sup>2</sup> This is the amount of the BSAI trawl CV A season allocation that may be harvested in the Bering Sea prior to March 21, 2018, unless modified because the performance requirements were not met.

# Proposal 7

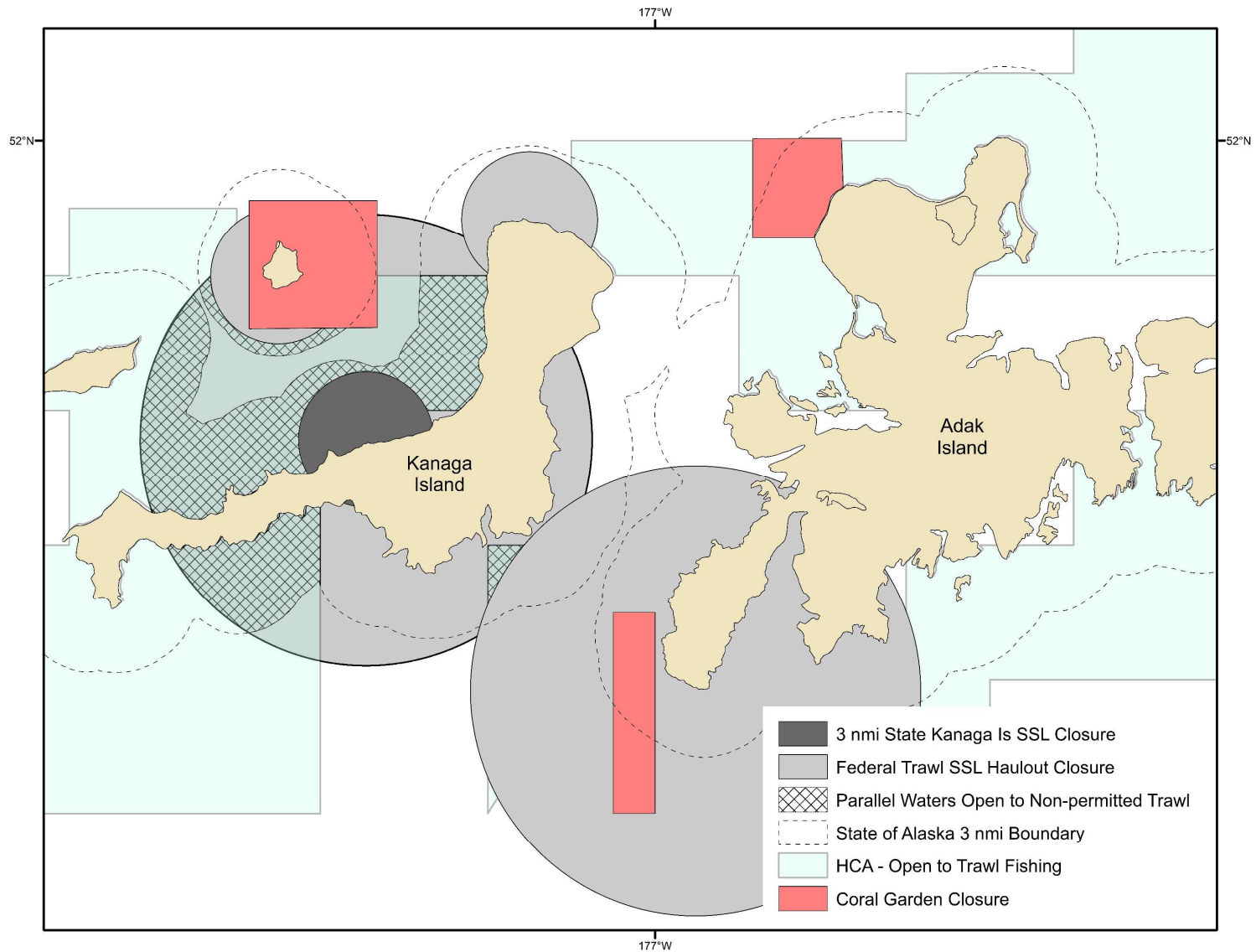
**Allow trawl vessels 100 ft or less with hold capacity of ≤250,000 pounds to fish in the Adak Section during state-waters and parallel seasons**

Aleutian Islands state waters seasons for trawl vessels by length

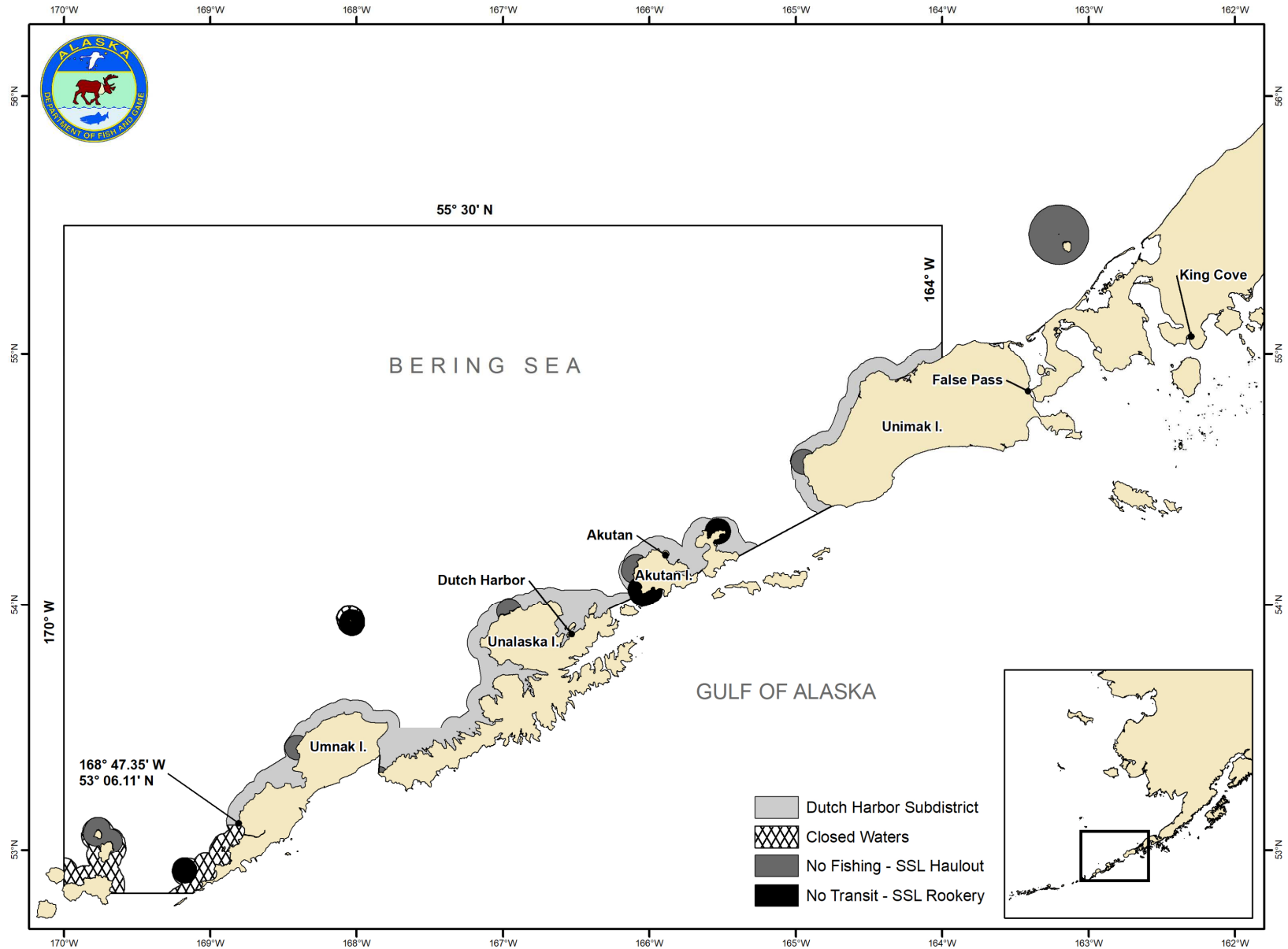
	State-waters		Parallel	
	Adak Section	West of 170° W (excluding Adak Section)	Adak Section	West of 170° W (excluding Adak Section)
January 1	≤60 ft OAL	Closed	Closed	All vessels
Mid-March	≤100 ft OAL	≤100 ft OAL	Closed	Closed
State-waters closure	Closed	Closed	≤60 ft OAL	All vessels



# Kanaga Island/Ship Rock SSL Closure



# Dutch Harbor Subdistrict (DHS)





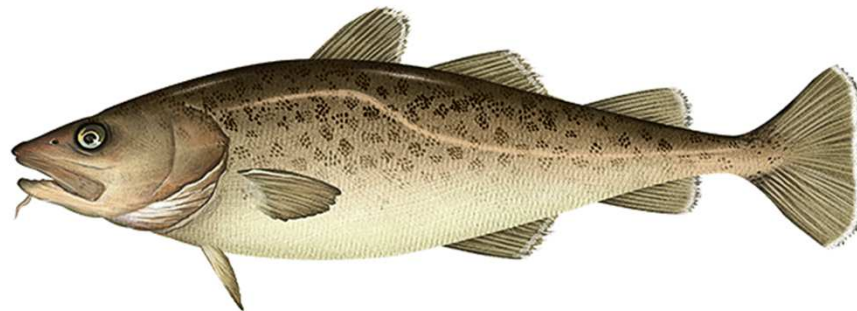
# Dutch Harbor Subdistrict (DHS)



- Established 2014
- GHL = 6.4% federal Bering Sea ABC
- Opens 7 days after federal BSAI  $\leq 60$  ft pot/HAL fishery closes
- Limited to  $\leq 58$  ft pot gear vessels
- 60 pot limit
- No trip limit

# Dutch Harbor Subdistrict (DHS)

Year	Vessels	Landings	GHL (pounds)	Harvest (pounds)	Price per pound	Exvessel value
2014	16	205	17,863,874	17,666,510	\$0.28	\$5,006,797
2015	14	183	18,029,404	17,636,103	\$0.27	\$4,763,751
2016	24	421	35,979,072	35,519,920	\$0.28	\$9,846,051
2017	24	349	33,721,562	33,247,414	\$0.30	\$10,067,240
2018	32	286	28,360,000	29,055,603	\$0.41	\$11,817,047
Avg.	22	289	26,790,782	26,625,110	\$0.31	\$8,300,177



# Proposal 11

## **Create state-waters P cod management plan for jig vessels in DHS**

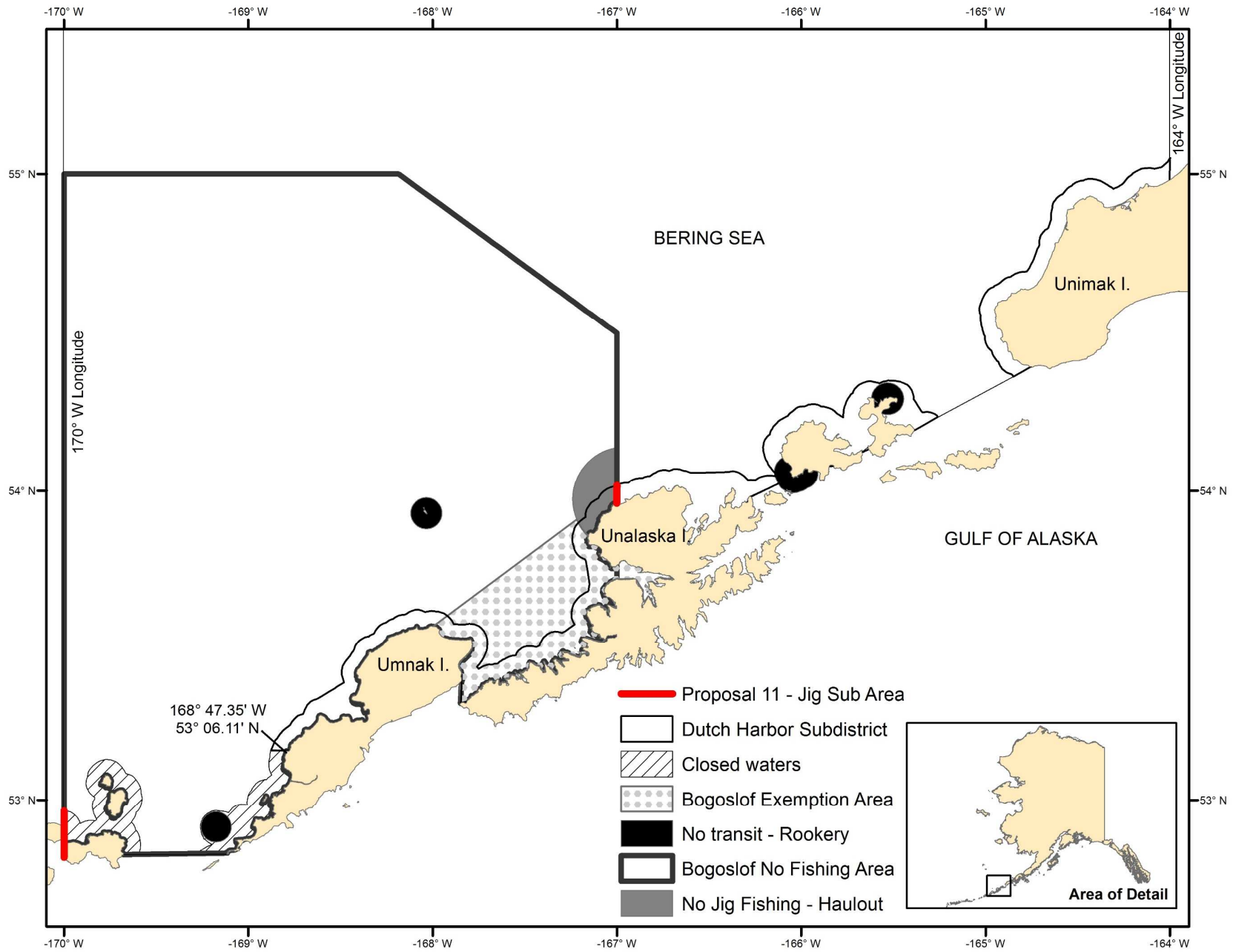
### Current

- GHL= 6.4% federal BS ABC
- Pot gear vessels  $\leq 58$  ft OAL
- Parallel jig fishery open concurrent to DHS state-waters fishery
- Bogoslof Exemption Area allocated 113 mt for HAL and jig C/V  $\leq 60$  ft OAL in federal regulation

### Proposed

- Create 100,000 pound Jig GHL
- State-waters from  $167^{\circ}$  –  $170^{\circ}$  W long
- Management considerations





## Proposals 12 – 14

### Proposal 12

Increase GHL to 20% of the federal Bering Sea ABC

### Proposal 13

Increase GHL to 10% of the federal Bering Sea ABC

Move the eastern boundary to 163° 30' W long

### Proposal 14

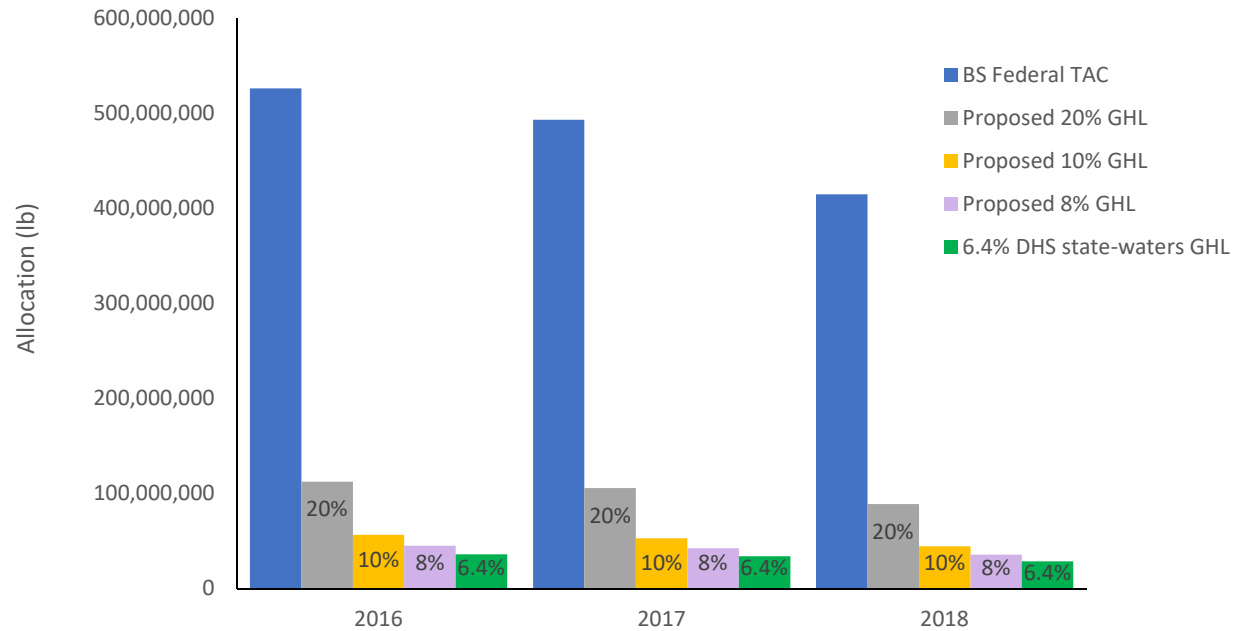
Increase GHL to 8% of the federal Bering Sea ABC

Move the eastern boundary to 162° 30' W long



# Proposals 12 – 14

Year	BS ABC	Current	Proposal 12	Proposal 13	Proposal 14
		6.4% GHL	Proposed 20% GHL	Proposed 10% GHL	Proposed 8% GHL
2016	562,173,000	35,979,072	112,434,600	56,217,300	44,973,840
2017	526,899,400	33,721,562	105,379,880	52,689,940	42,151,952
2018	443,124,600	28,359,974	88,624,920	44,312,460	35,449,968



# Federal Pacific Cod Allocations by Sector

BSAI federal Pacific cod harvesting sectors	2018 TAC allocations (%)	2018 TAC (pounds)
Bering Sea CDQ	NA	44,380,803
Aleutian Islands CDQ	NA	3,701,523
Longline catcher processor	48.7%	194,719,090
Longline catcher vessel ≥60 ft LOA	0.2%	800,270
Pot catcher processor	1.5%	5,996,512
Pot catcher vessel ≥60 ft LOA	8.4%	33,587,081
Longline or pot catcher vessel <60 ft LOA	2.0%	7,996,084
Trawl catcher vessel	22.1%	88,684,444
AFA trawl catcher processor	2.3%	9,228,456
Amendment 80 trawl catcher processor	13.4%	53,772,399
Jig	1.4%	5,617,321
Total	100.0%	448,483,983

# DHS State-Waters and Parallel Pacific Cod Catch and Effort

Year	Bering Sea ABC (pounds)	State-Waters (GHL)			Parallel (TAC)			State-Waters and Parallel		
		Vessels	Harvest (pounds)	Percent of ABC	Vessels	Harvest (pounds)	Percent of ABC	Vessels	Harvest (pounds)	Percent of ABC
2014	562,173,000	16	17,666,510	3.1%	15	6,577,217	1.2%	26	24,243,727	4.3%
2015	562,173,000	14	17,636,103	3.1%	30	7,094,032	1.3%	38	24,730,135	4.4%
2016	562,173,000	24	35,519,920	6.3%	24	6,517,493	1.2%	37	42,037,412	7.5%
2017	526,899,400	24	33,247,414	6.3%	18	5,482,427	1.0%	33	38,729,842	7.4%
2018	443,124,600	32	29,055,603	6.6%	14	5,249,466	1.2%	38	34,305,069	7.7%
Avg.	531,308,600	22	26,625,110	5.0%	20	6,184,127	1.2%	34	32,809,237	6.2%

A close-up photograph of a large pile of dead fish. The fish are piled together, and many of them have their mouths wide open, revealing their internal organs, including gills and stomachs. The fish appear to be of various species, but they all look like they are dead and possibly diseased. The lighting is somewhat dim, highlighting the textures of the fish's scales and the colors of their internal organs. The word "Questions" is overlaid in the center of the image in a large, white, sans-serif font.

# Questions