



**NOAA  
FISHERIES**

**Alaska Region**

# **BSAI Inseason Management Report**

**December 2023**

Catch data are through November 14, 2023

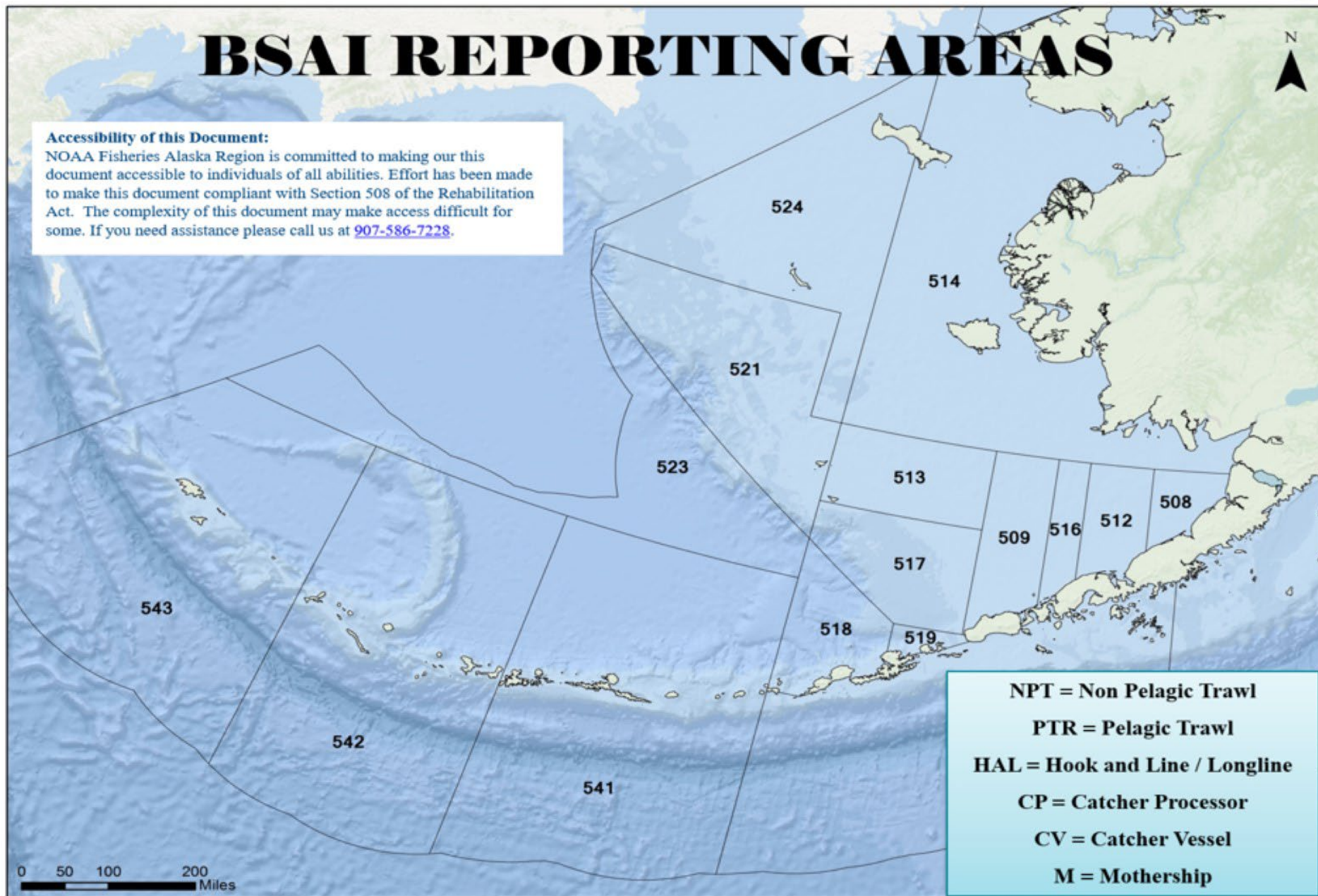
Management reports can be found at:

<https://www.fisheries.noaa.gov/alaska/commercial-fishing/fisheries-catch-and-landings-reports>

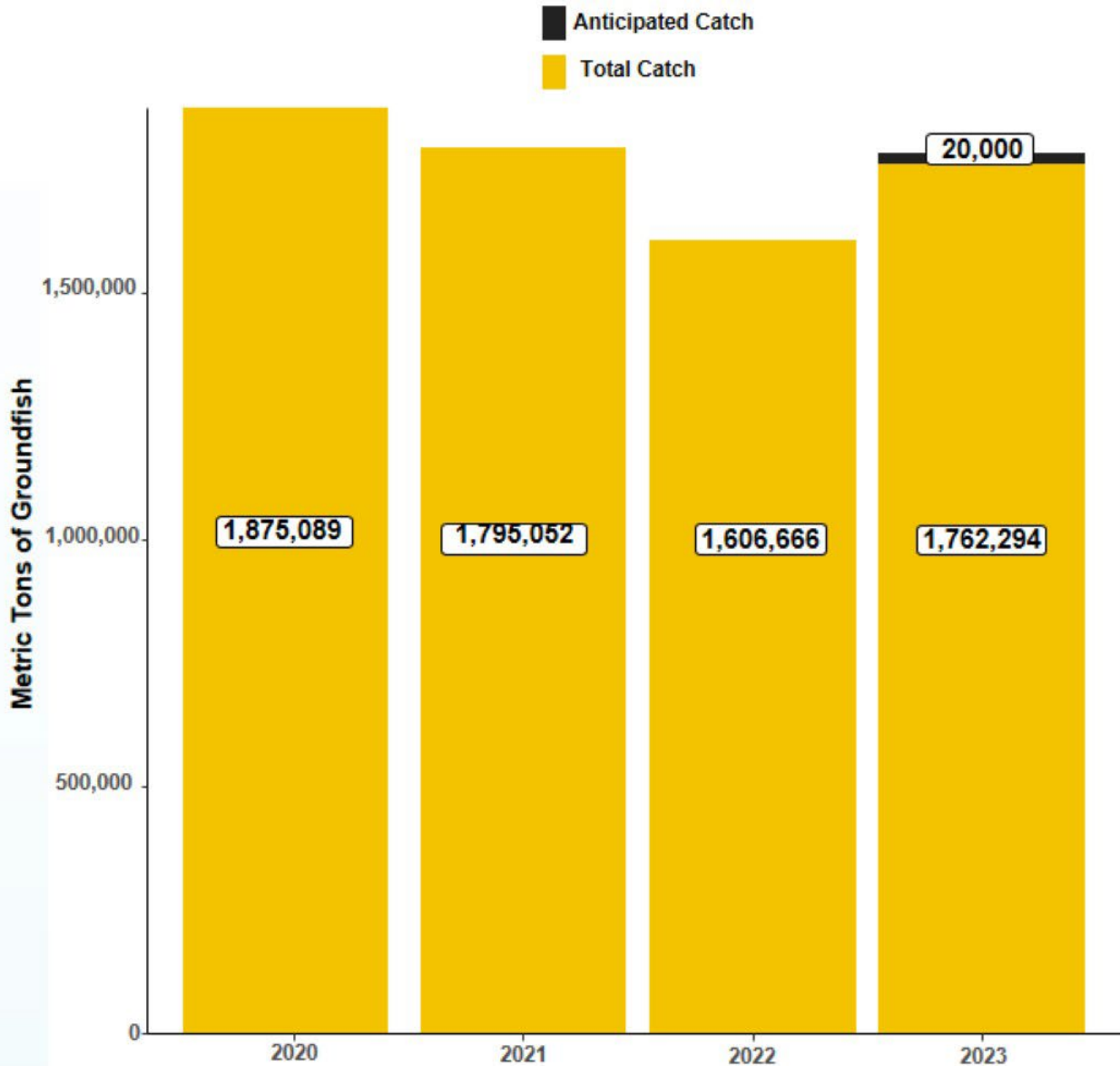
# BSAI REPORTING AREAS

## Accessibility of this Document:

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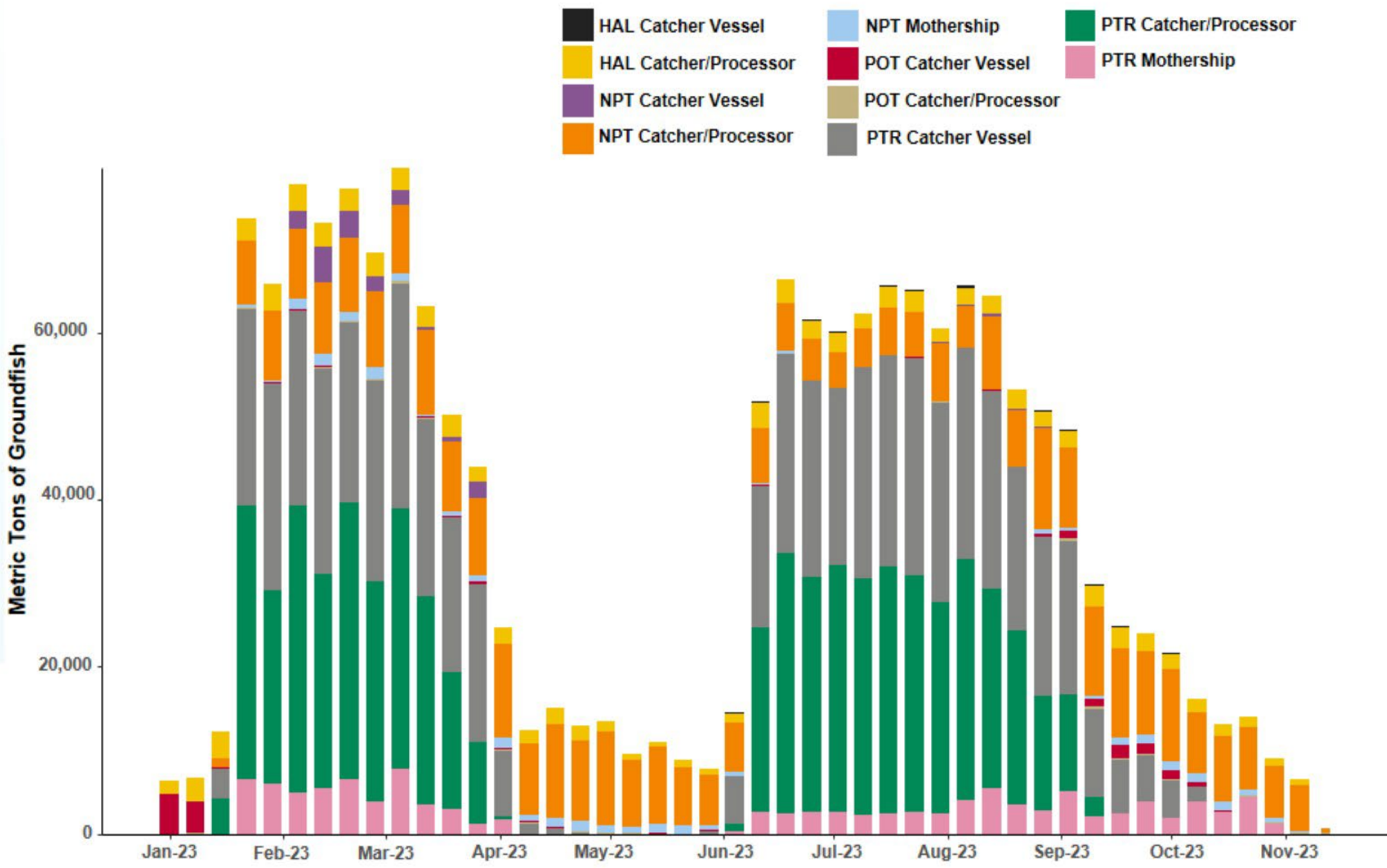


# 2020-2023 BSAI Total Catch

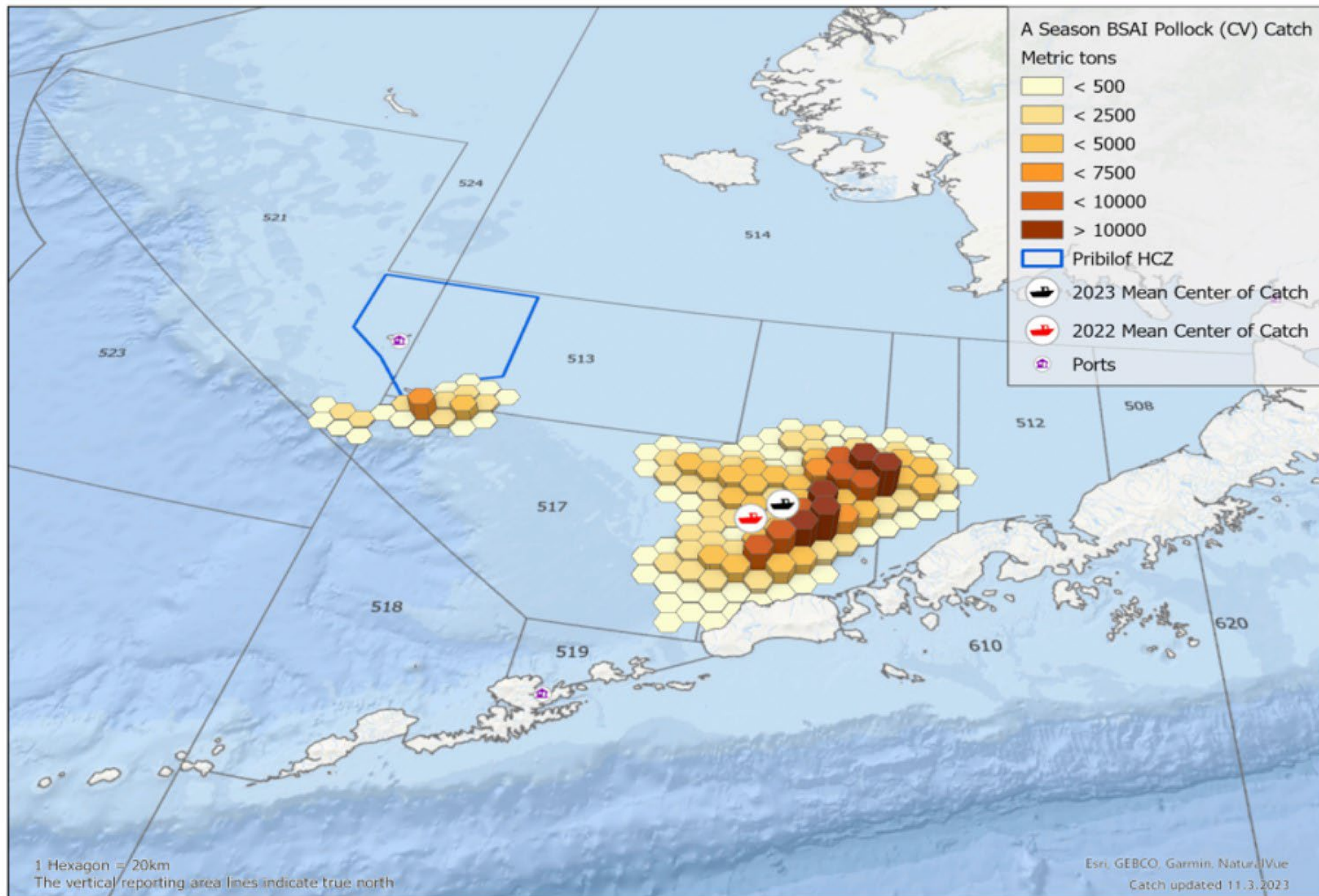


<b>2020 TAC</b>		<b>2,000,000</b>
Total Catch		1,875,089
Remaining TAC		124,911
<b>2021 TAC</b>		<b>2,000,000</b>
Total Catch		1,795,052
Remaining TAC		204,948
<b>2022 TAC</b>		<b>1,871,000</b>
Total Catch		1,606,666
Remaining TAC		264,334
<b>2023 TAC</b>		<b>2,000,000</b>
Total Catch		1,762,294
Projected Catch		20,000
Total Catch with Projected Catch		1,782,294
Remaining TAC		217,706

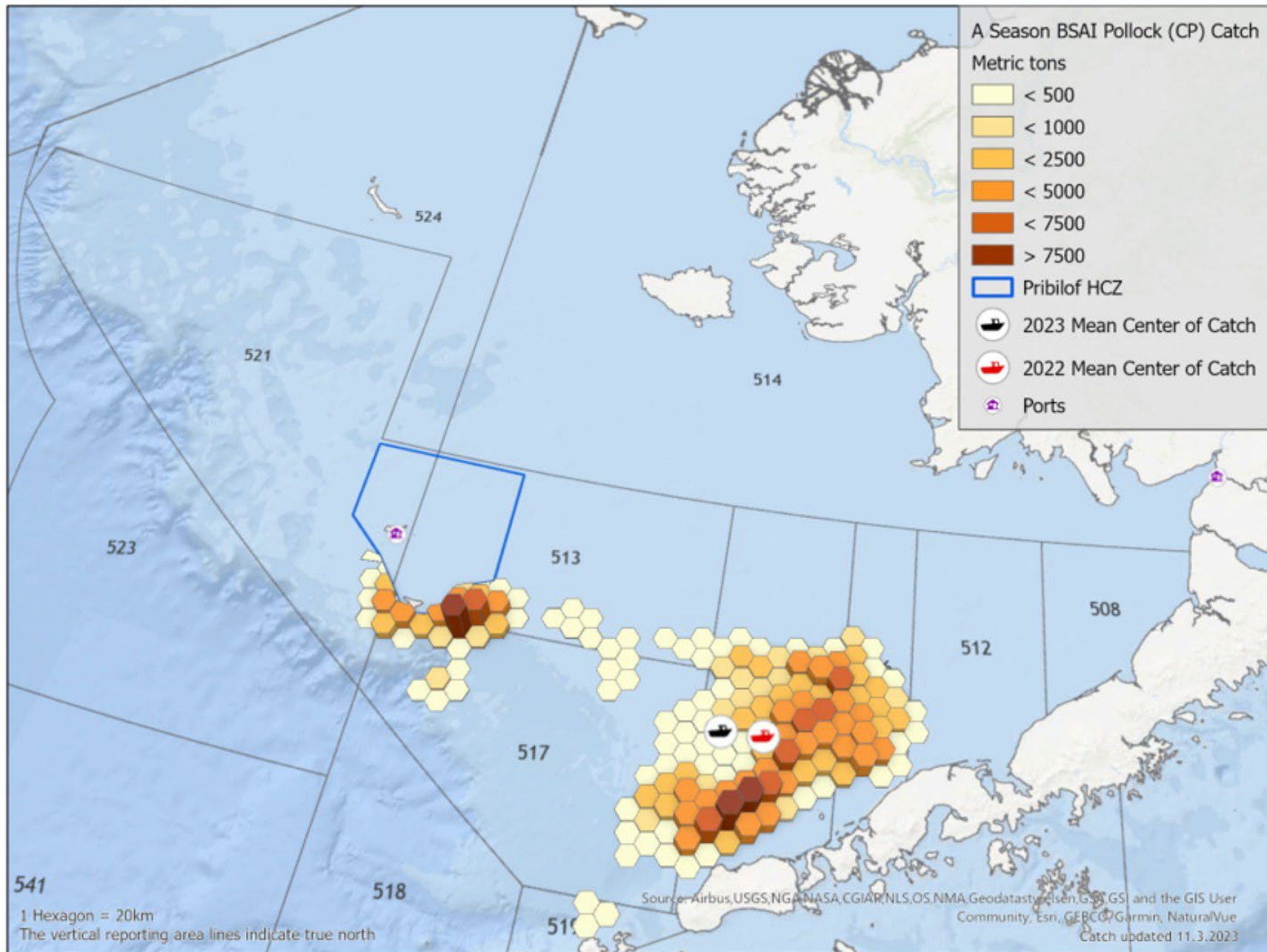
# 2023 BSAI Total Groundfish Catch by Gear & Sector



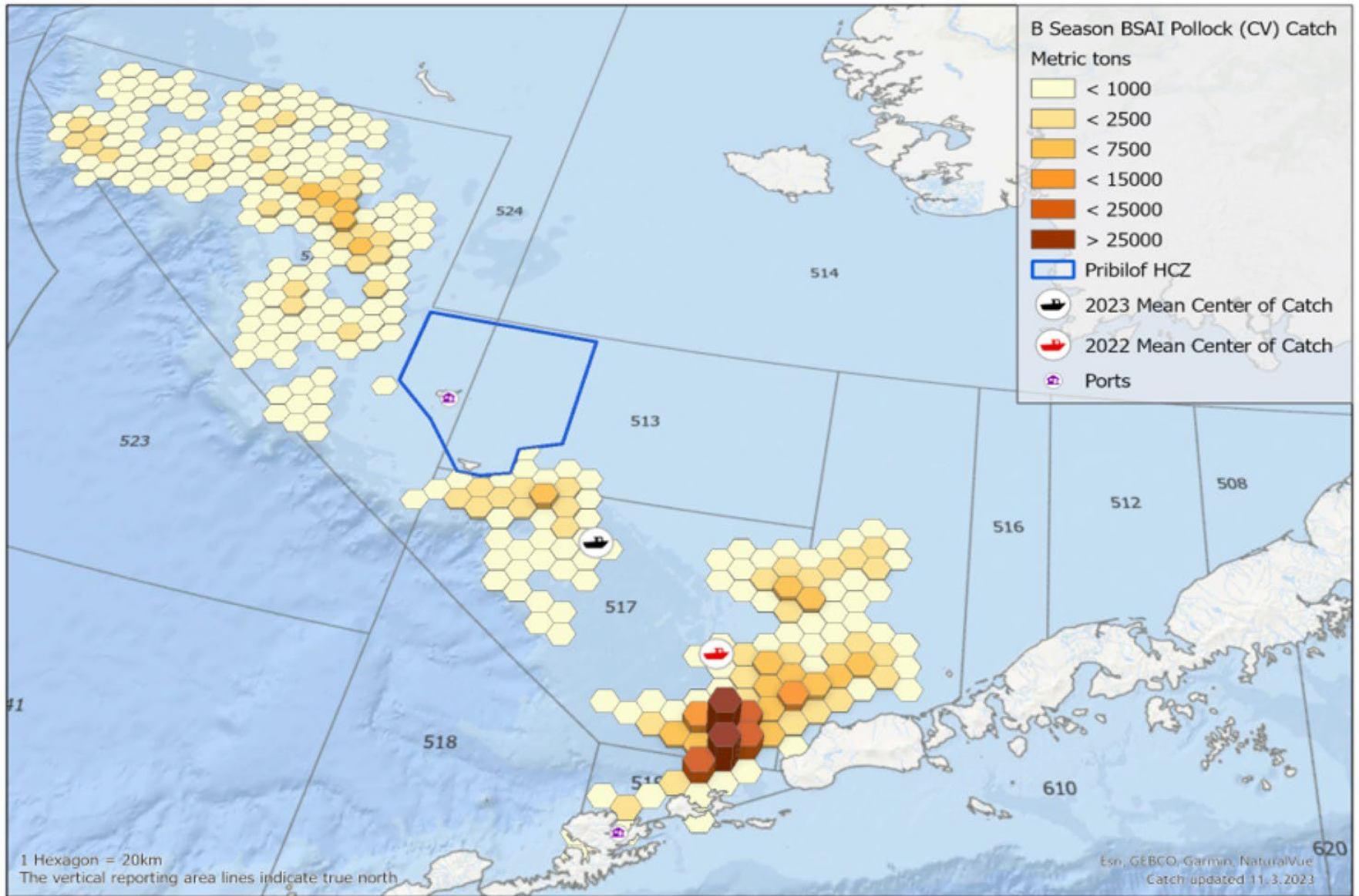
# 2023 A Season Bering Sea Pollock Directed Fishery (CV)



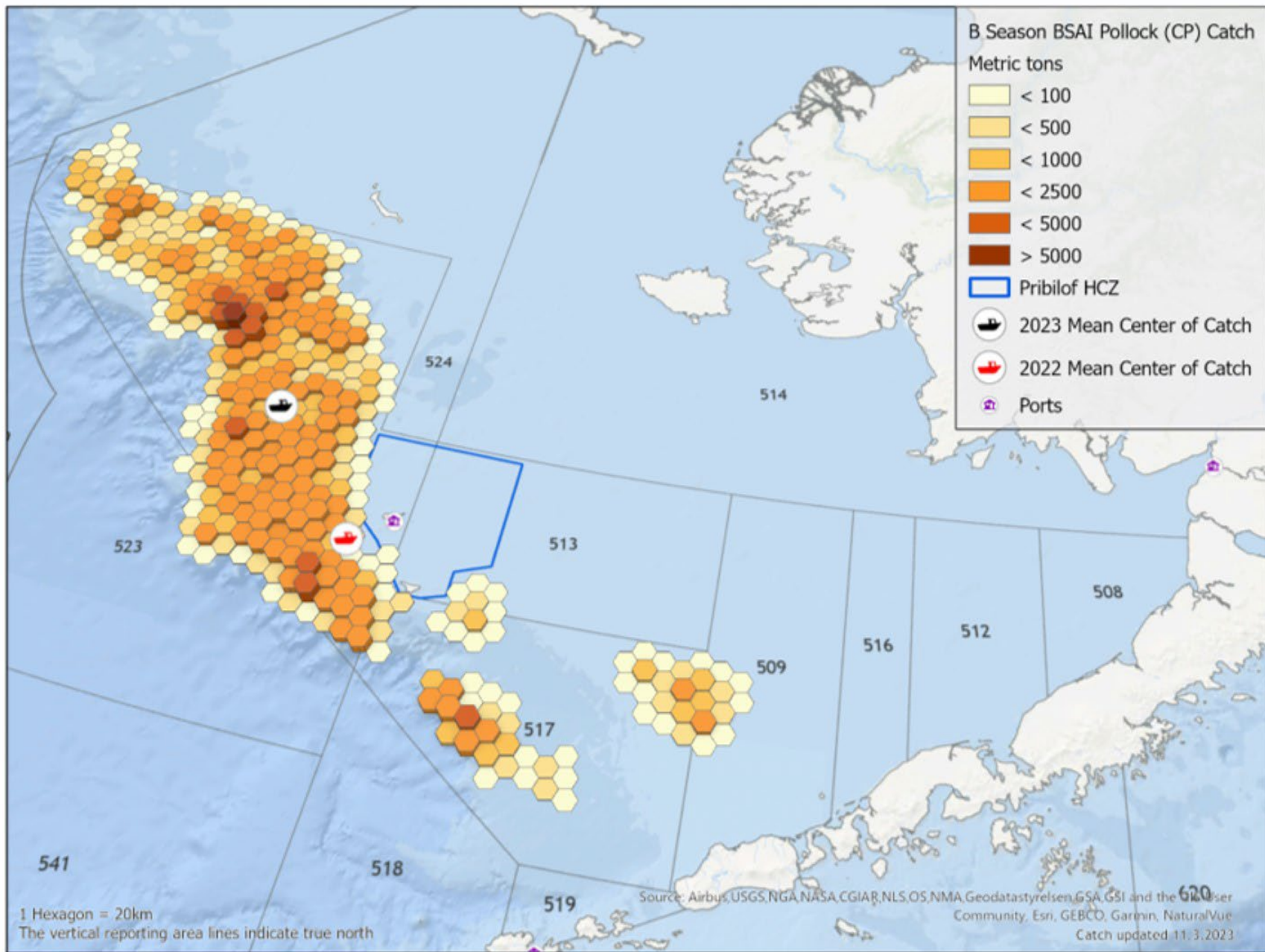
# 2023 A Season Bering Sea Pollock Directed Fishery (CP)



# 2023 B Season Bering Sea Pollock Directed Fishery (CV)



# 2023 B Season Bering Sea Pollock Directed Fishery (CP)

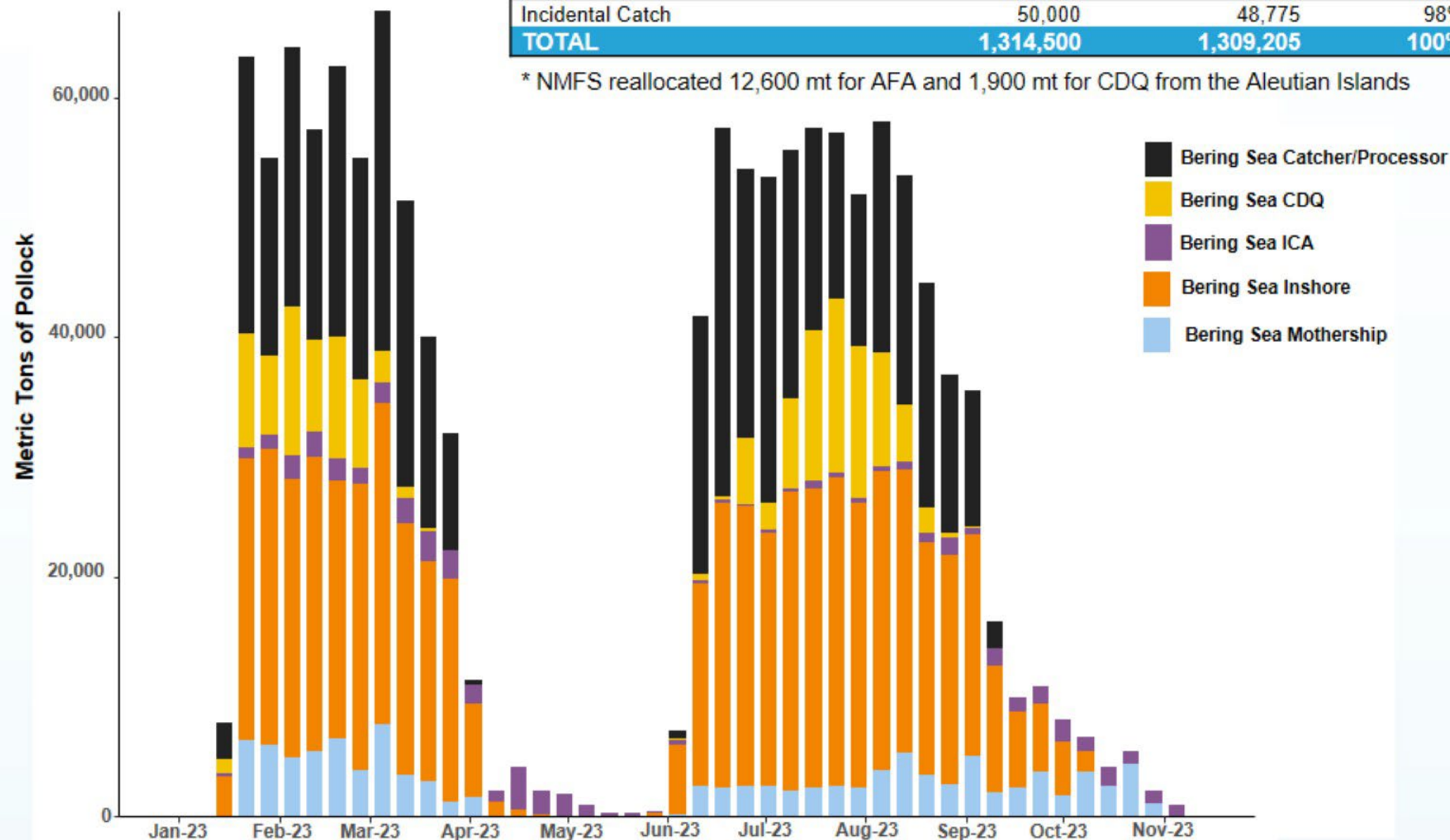




# 2023 Bering Sea Pollock Catch by Week and Sector

2023	TAC (mt)	Catch (mt)	%
Inshore	566,300	564,265	100%
Catcher/Processor	453,040	451,684	100%
Mothership	113,260	112,694	100%
CDQ	131,900	131,787	100%
Incidental Catch	50,000	48,775	98%
<b>TOTAL</b>	<b>1,314,500</b>	<b>1,309,205</b>	<b>100%</b>

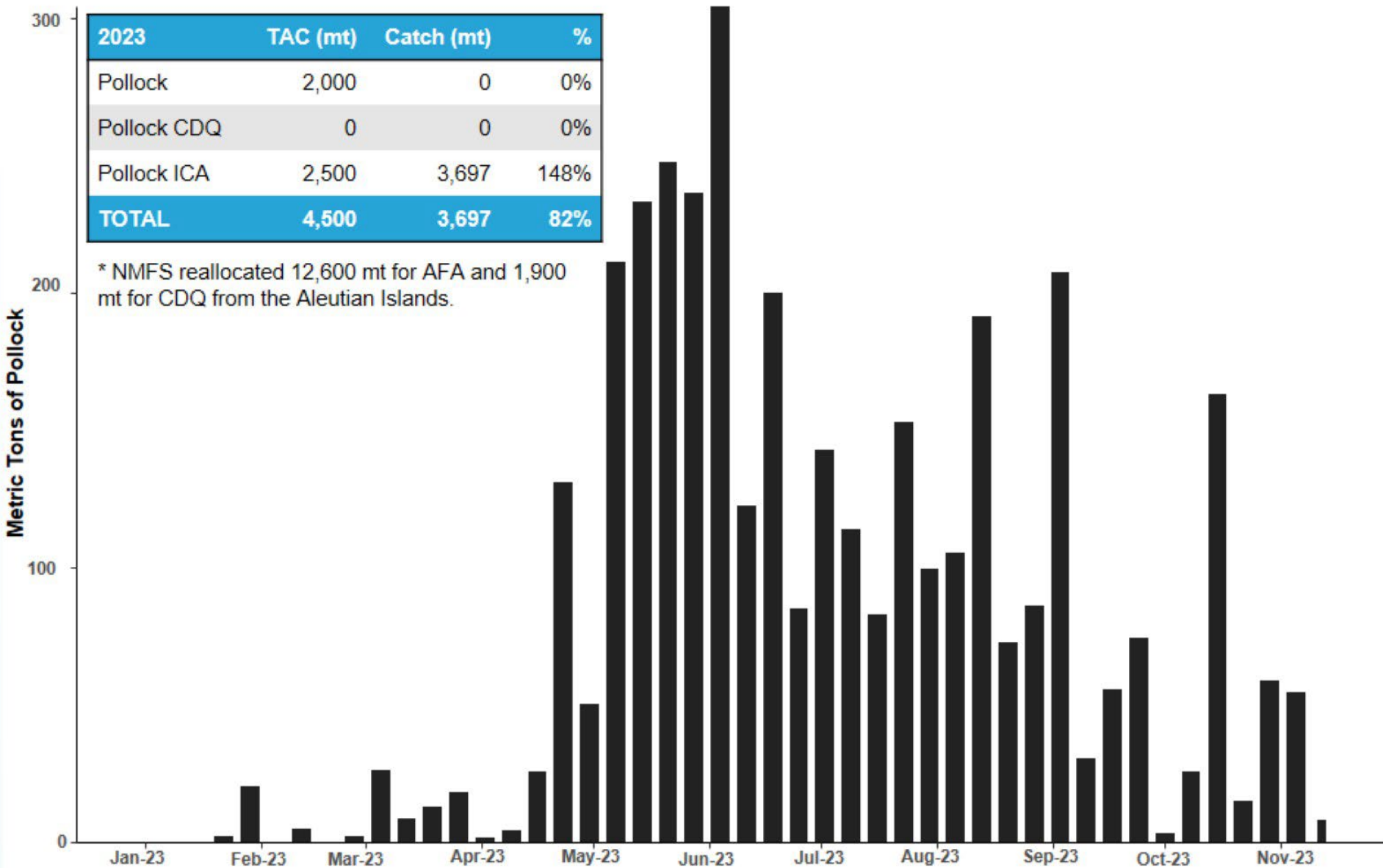
\* NMFS reallocated 12,600 mt for AFA and 1,900 mt for CDQ from the Aleutian Islands



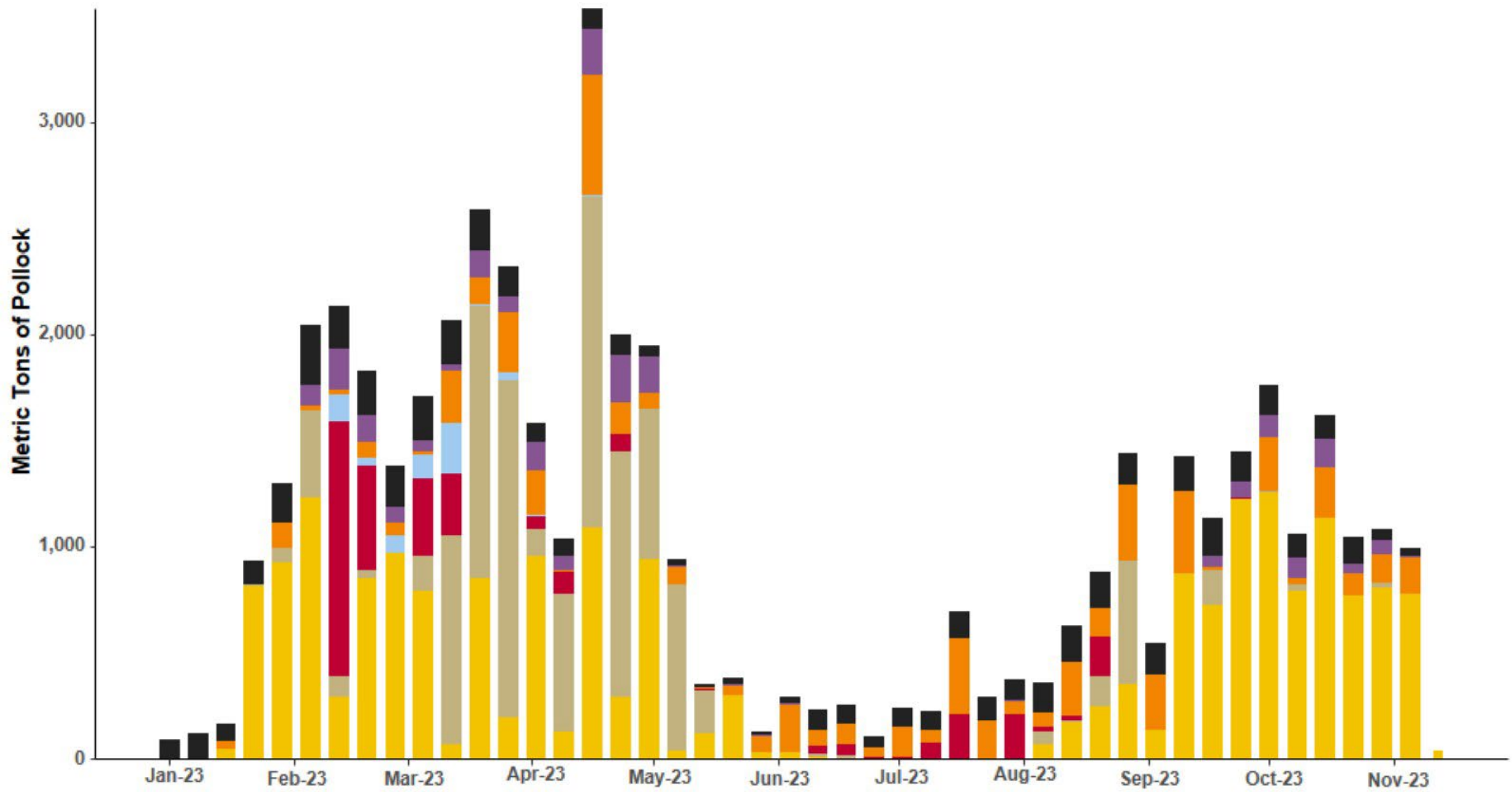
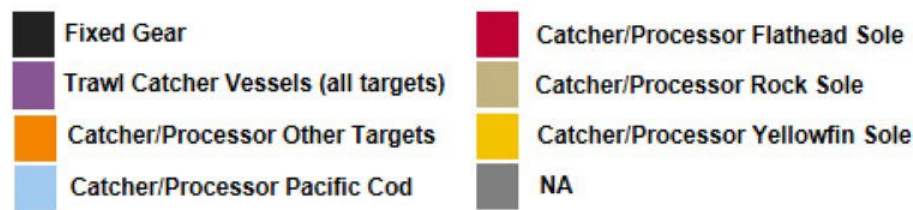
# 2023 Aleutian Islands Pollock Catch by Week and Sector

2023	TAC (mt)	Catch (mt)	%
Pollock	2,000	0	0%
Pollock CDQ	0	0	0%
Pollock ICA	2,500	3,697	148%
<b>TOTAL</b>	<b>4,500</b>	<b>3,697</b>	<b>82%</b>

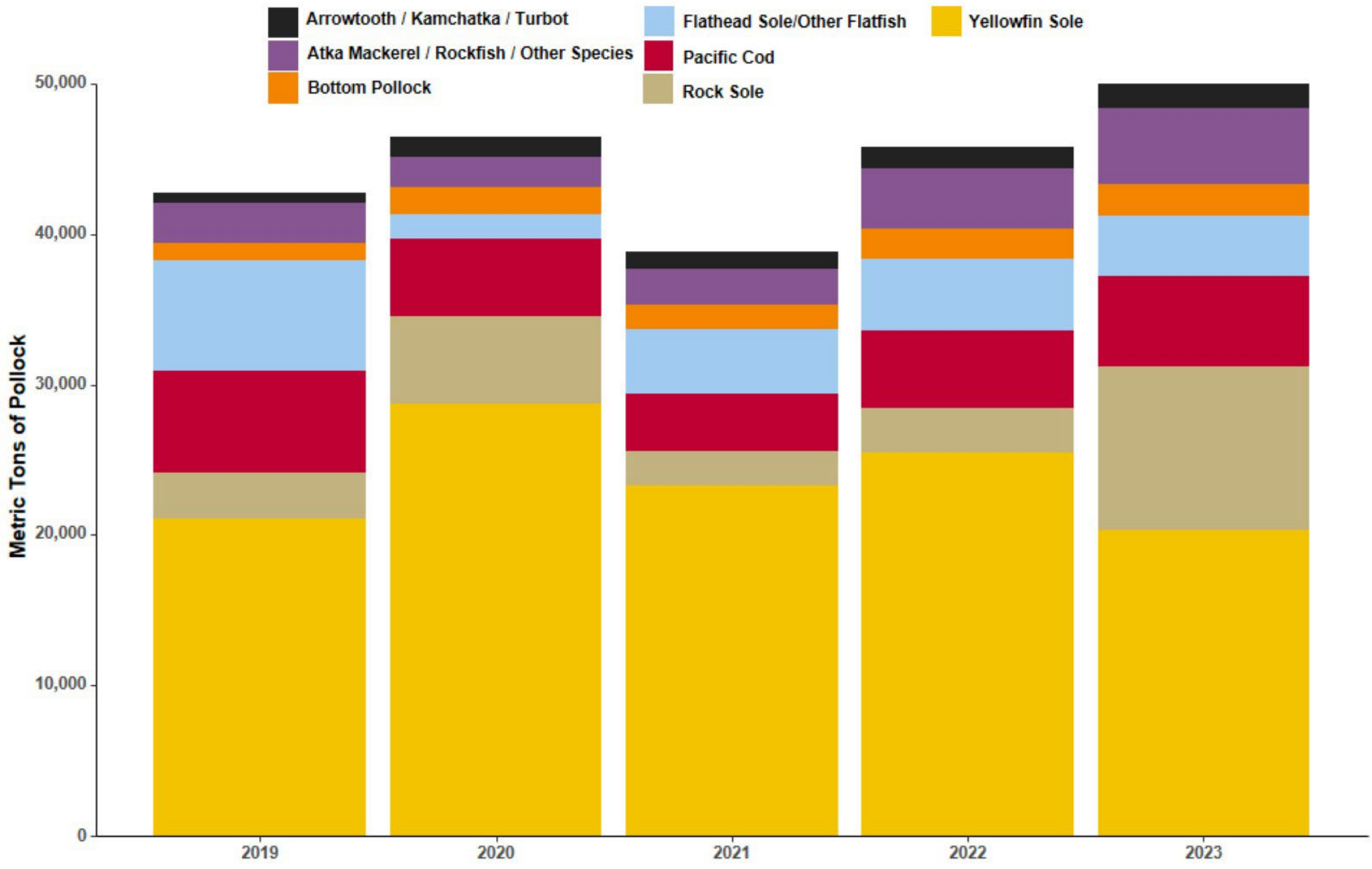
\* NMFS reallocated 12,600 mt for AFA and 1,900 mt for CDQ from the Aleutian Islands.



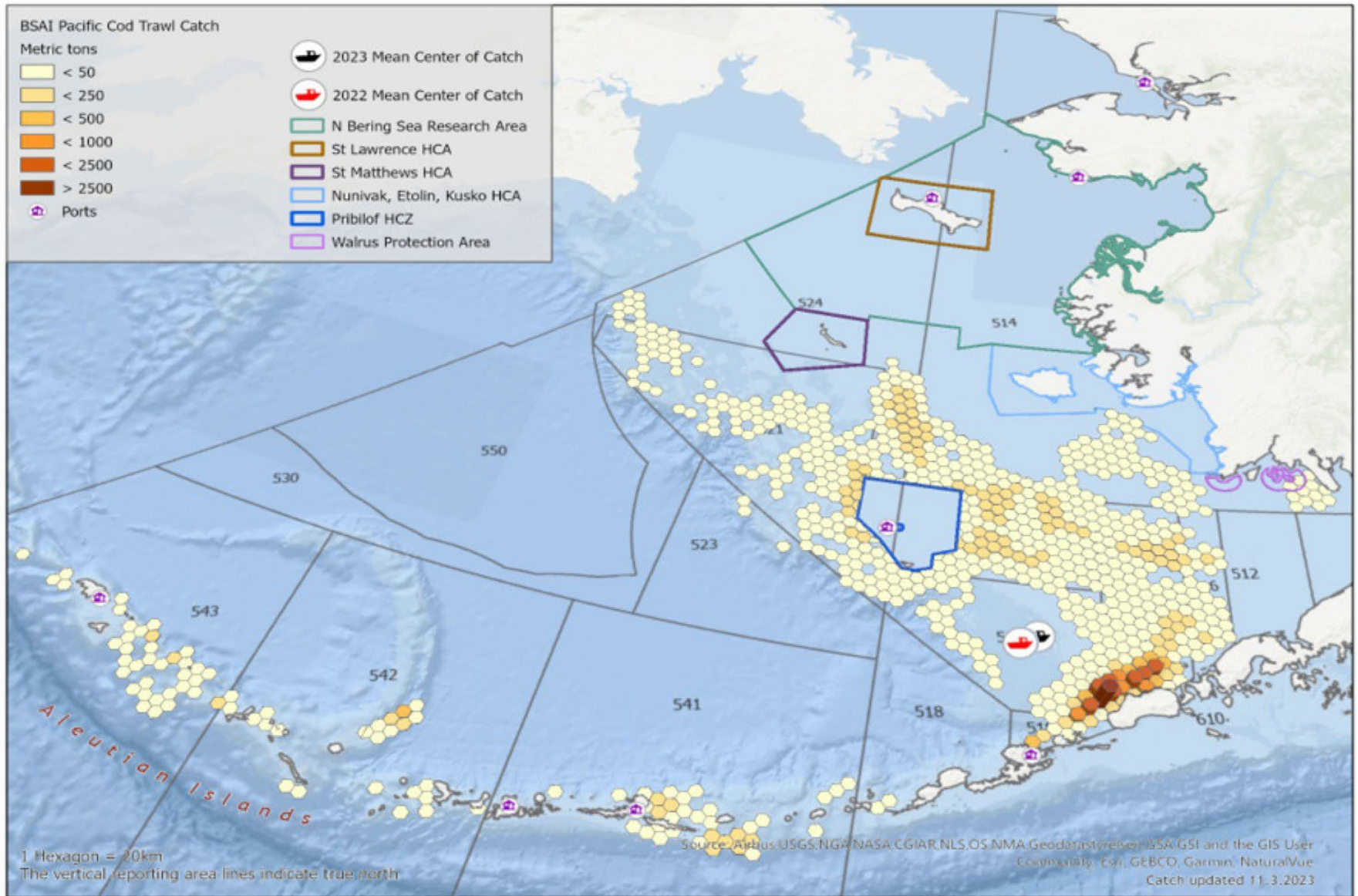
# 2023 Bering Sea Pollock ICA Catch by Week and Sector



# 2019-2023 Trawl Catcher/Processor Incidental Catch of Pollock by Year and Target

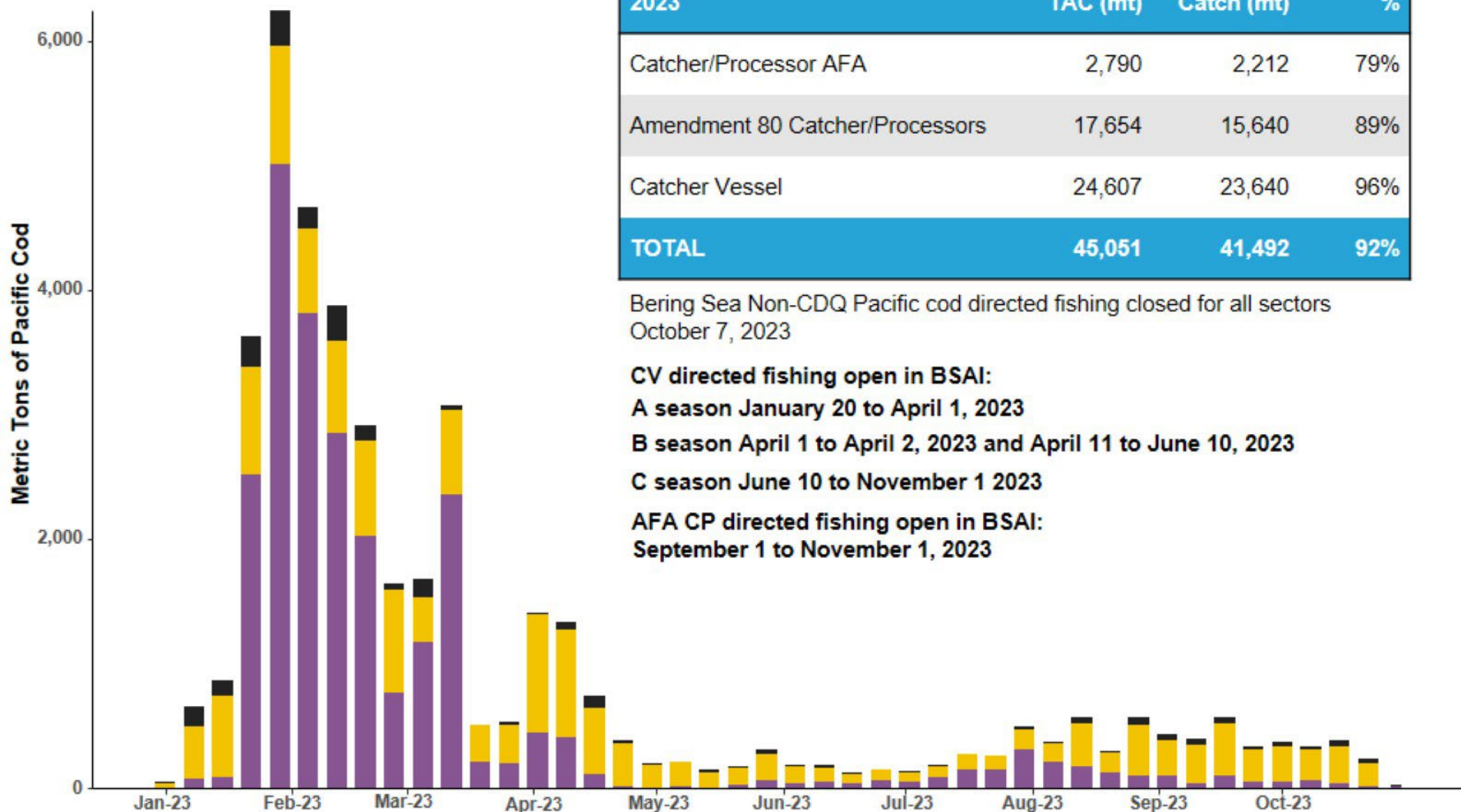


# 2023 Pacific Cod Catch by Trawl Gear



# 2023 BSAI Trawl Pacific Cod Catch

AFA Catcher Processors
  Amendment 80 Catcher Processors
  Catcher Vessels



2023	TAC (mt)	Catch (mt)	%
Catcher/Processor AFA	2,790	2,212	79%
Amendment 80 Catcher/Processors	17,654	15,640	89%
Catcher Vessel	24,607	23,640	96%
<b>TOTAL</b>	<b>45,051</b>	<b>41,492</b>	<b>92%</b>

Bering Sea Non-CDQ Pacific cod directed fishing closed for all sectors October 7, 2023

**CV directed fishing open in BSAI:**

**A season January 20 to April 1, 2023**

**B season April 1 to April 2, 2023 and April 11 to June 10, 2023**

**C season June 10 to November 1 2023**

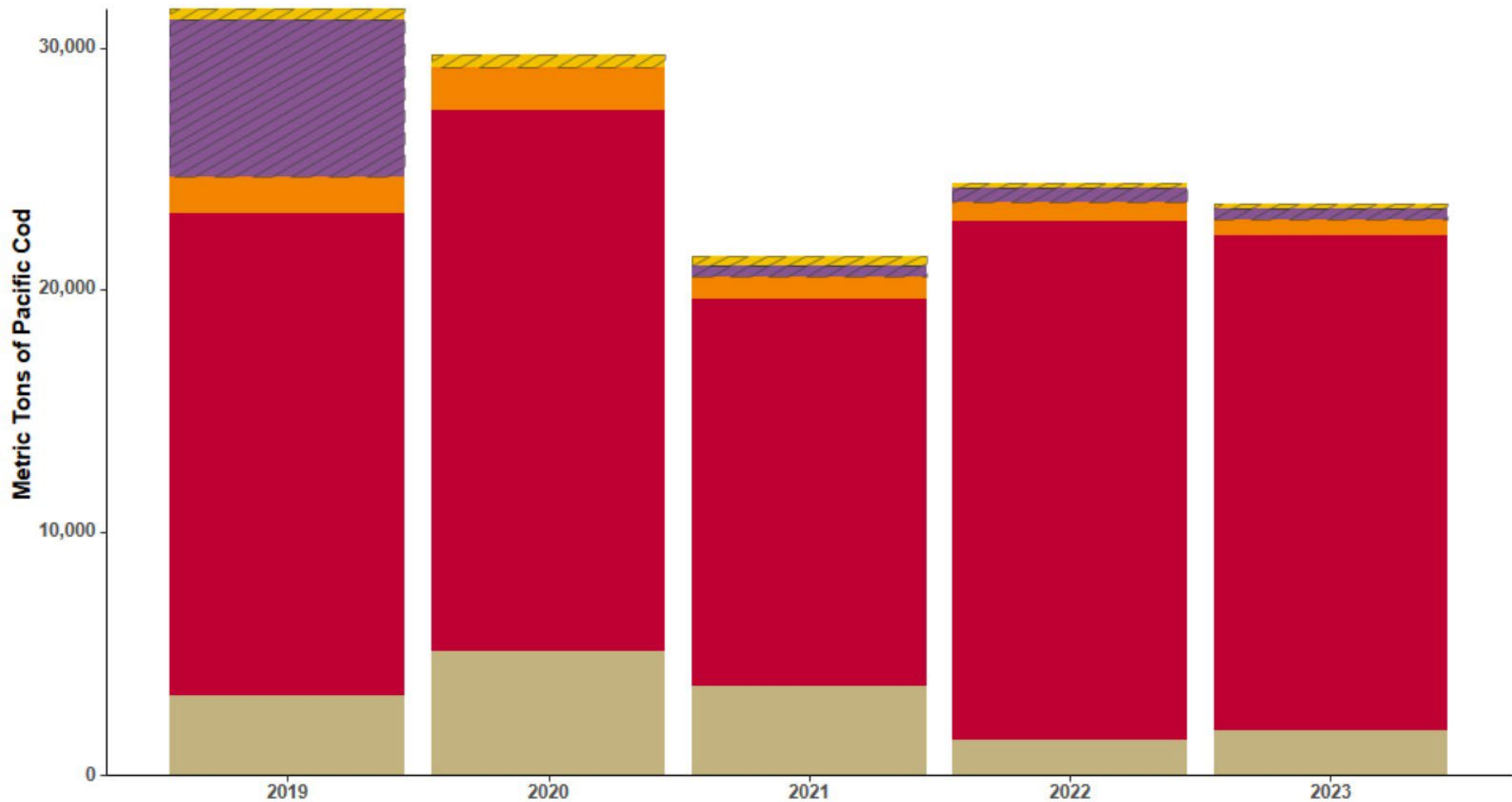
**AFA CP directed fishing open in BSAI:**

**September 1 to November 1, 2023**

# 2019-2023 BSAI Trawl Catcher/Processor Pacific Cod Catch by Target



# 2019-2023 BSAI Trawl Catcher Vessel Pacific Cod Catch by Target

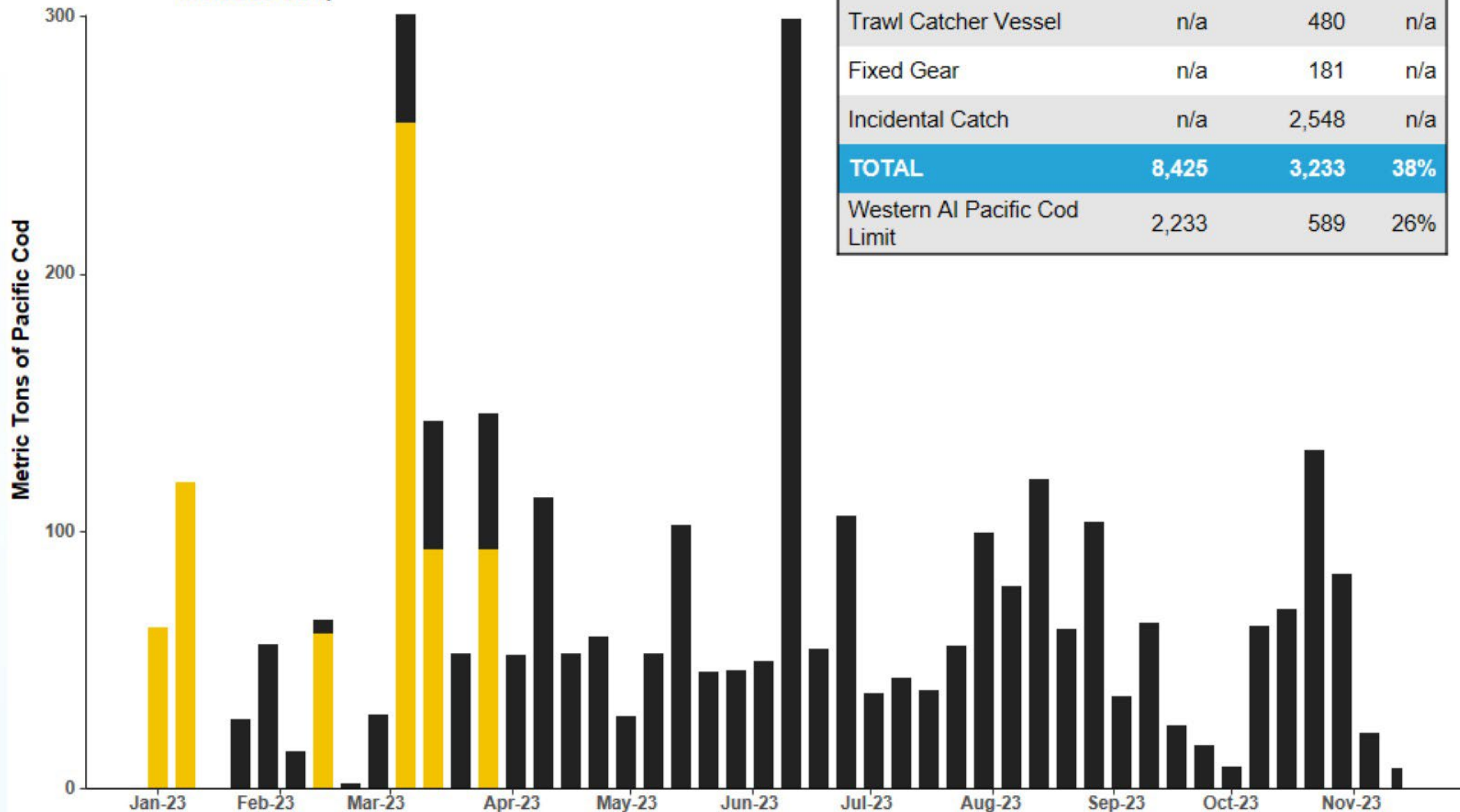




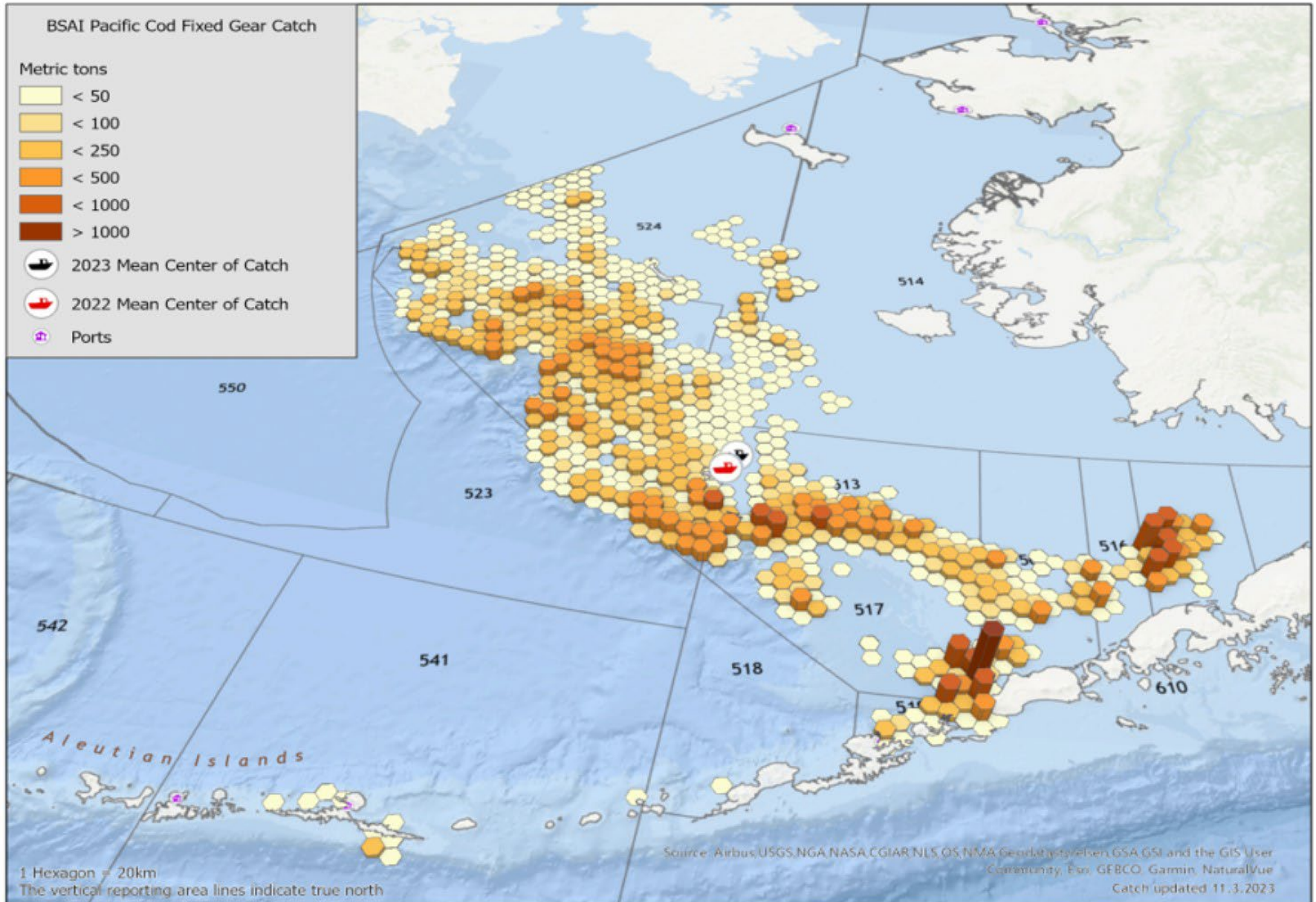
# 2023 Aleutian Islands Pacific Cod Catch

Other Targets  
 Pacific Cod Target  
*Includes CDQ*

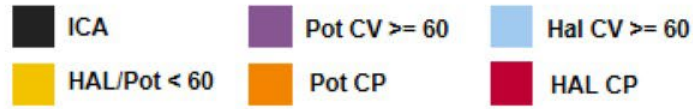
2023	TAC (mt)	Catch (mt)	%
Trawl Catcher/Processor	n/a	25	n/a
Trawl Catcher Vessel	n/a	480	n/a
Fixed Gear	n/a	181	n/a
Incidental Catch	n/a	2,548	n/a
<b>TOTAL</b>	<b>8,425</b>	<b>3,233</b>	<b>38%</b>
Western AI Pacific Cod Limit	2,233	589	26%



# 2023 Pacific Cod Catch by Non-Trawl Gear

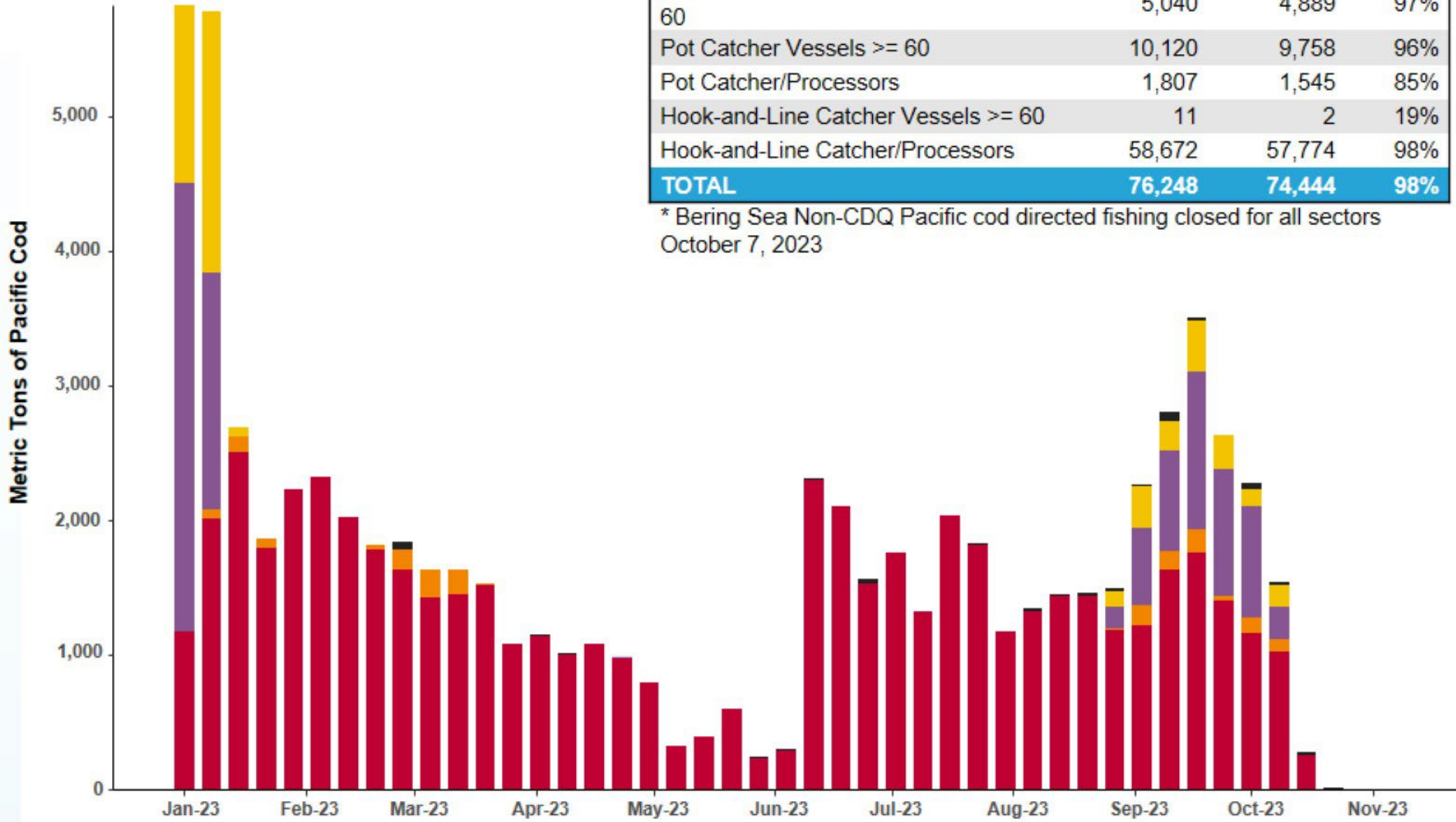


# 2023 BSAI Non-Trawl Pacific Cod Catch



2023	TAC (mt)	Catch (mt)	%
Hook-and-Line / Pot ICA	500	476	95%
Jig Gear	98	0	0%
Hook-and-Line / Pot Catcher Vessels < 60	5,040	4,889	97%
Pot Catcher Vessels >= 60	10,120	9,758	96%
Pot Catcher/Processors	1,807	1,545	85%
Hook-and-Line Catcher Vessels >= 60	11	2	19%
Hook-and-Line Catcher/Processors	58,672	57,774	98%
<b>TOTAL</b>	<b>76,248</b>	<b>74,444</b>	<b>98%</b>

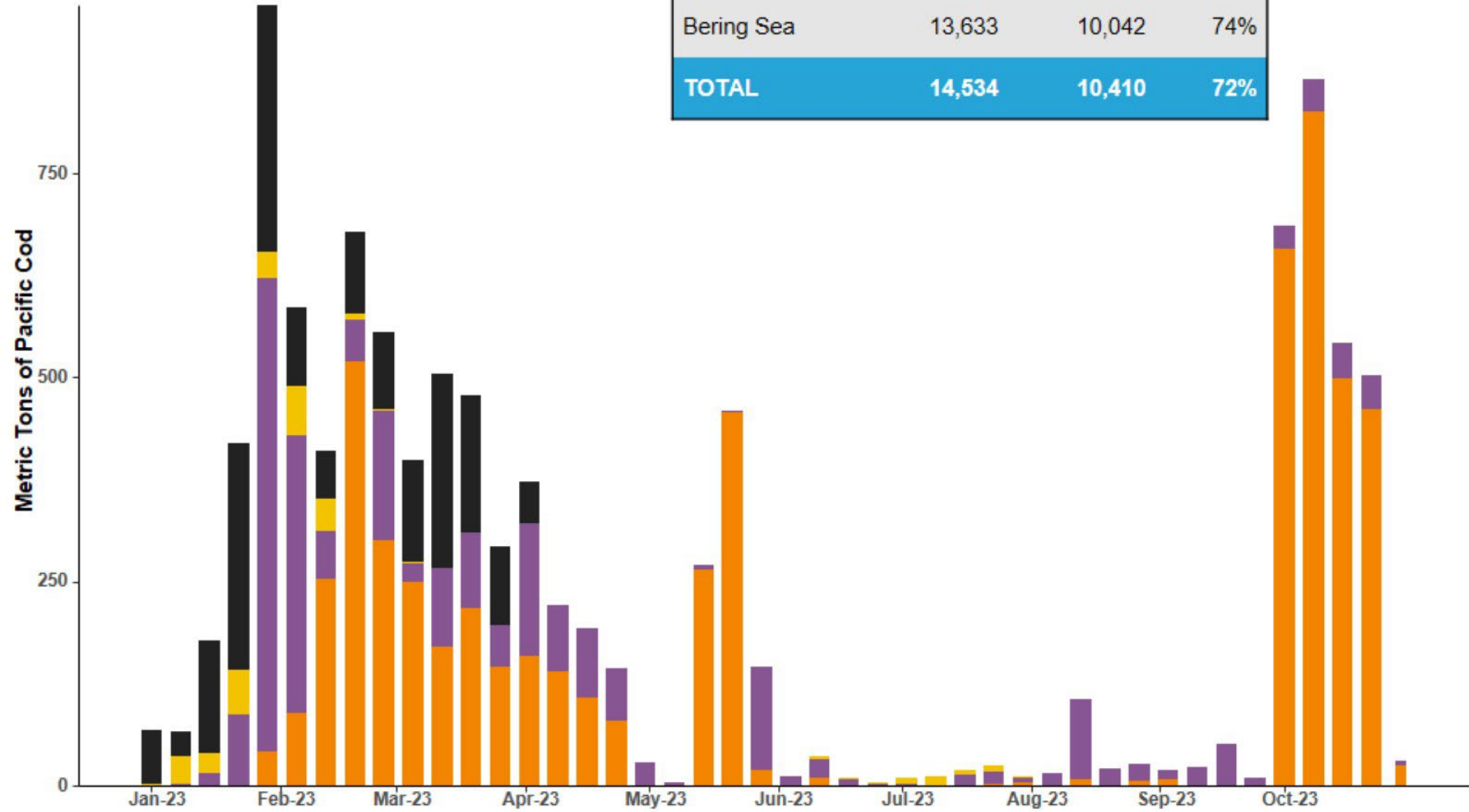
\* Bering Sea Non-CDQ Pacific cod directed fishing closed for all sectors October 7, 2023



# 2023 CDQ Pacific Cod Catch

POT
  PTR
  NPT
  HAL

2023	TAC (mt)	Catch (mt)	%
Aleutian Islands	901	368	41%
Bering Sea	13,633	10,042	74%
<b>TOTAL</b>	<b>14,534</b>	<b>10,410</b>	<b>72%</b>



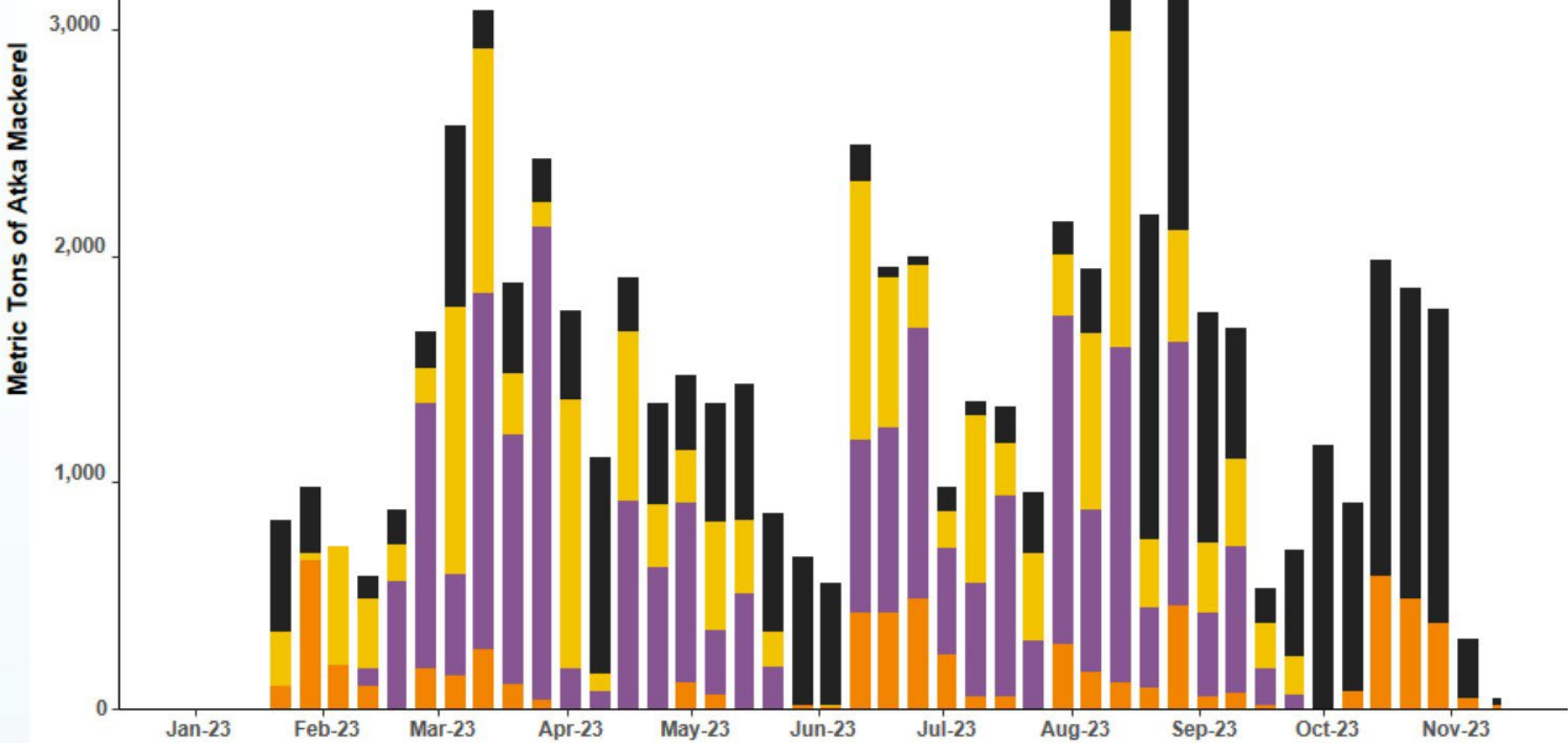
# 2023 Pacific Cod Apportionments and Catch in the BSAI



Fishery Component		TAC (mt)	Reallocations	Revised TAC	Catch (mt)	%
<b>Hook-and-Line Gear</b>	Catcher/Processors	58,672	0	58,672	57,774	98%
	Catcher Vessels >= 60 Feet	241	-230	11	2	19%
<b>Pot Gear</b>	Catcher/Processor	1,807	0	1,807	1,545	85%
	Catcher Vessels >= 60 Feet	10,120	0	10,120	9,758	96%
<b>Hook-and-Line and Pot Gear</b>	Catcher Vessels < 60 Feet	2,410	+2,630	5,040	4,889	97%
<b>Trawl Gear</b>	AFA Catcher/Processors	2,790	0	2,790	2,212	79%
	A80 Catcher/Processors	16,254	+1,400	17,654	15,640	89%
	Catcher Vessels	26,807	-2,200	24,607	23,640	96%
<b>Jig Gear</b>		1,698	-1,600	98	0	0%
<b>CDQ</b>	Aleutian Islands	901	0	901	368	41%
	Bering Sea	13,633	0	13,633	10,042	74%
<b>Hook-and-Line/Pot Gear ICA</b>		500	0	500	476	95%
<b>TOTAL</b>		<b>135,833</b>	<b>0</b>	<b>135,833</b>	<b>126,346</b>	<b>93%</b>

# 2023 Atka Mackerel Catch by Week and Area

2023	TAC (mt)	Catch (mt)	%
<b>Bering Sea and Eastern AI (541)</b>	<b>24,343</b>	<b>21,757</b>	<b>89%</b>
CDQ	2,917	2,182	75%
<b>Central AI (542)</b>	<b>15,494</b>	<b>15,416</b>	<b>99%</b>
CDQ	1,857	1,794	97%
Critical Habitat Limit	10,365	6,844	66%
<b>Western AI (543)</b>	<b>22,031</b>	<b>21,964</b>	<b>100%</b>
CDQ	2,640	2,577	98%
Critical Habitat Limit	14,791	14,204	96%
<b>TOTAL</b>	<b>69,282</b>	<b>65,690</b>	<b>95%</b>



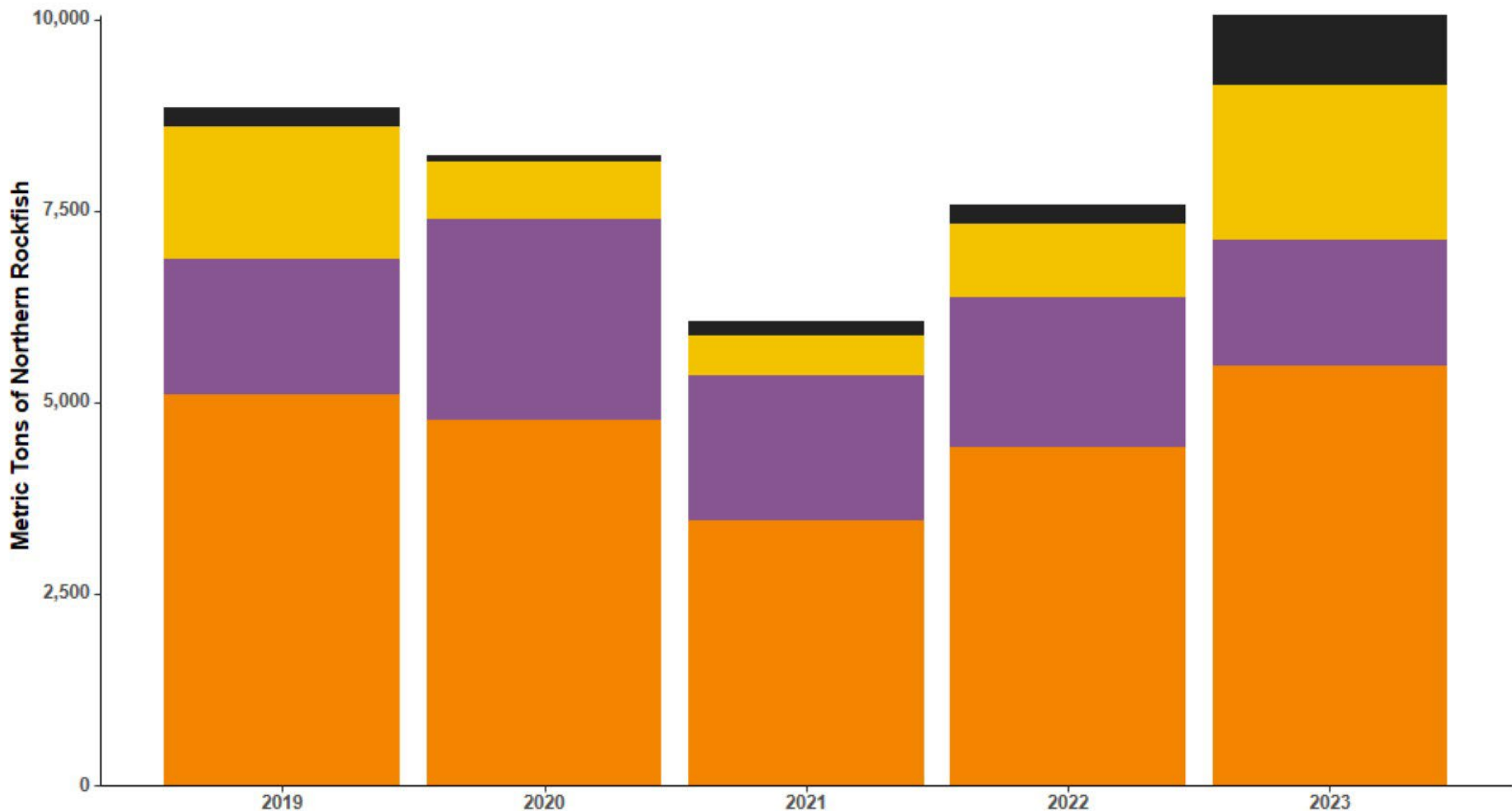
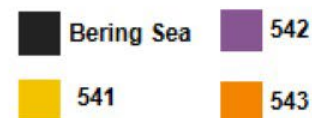
# 2019-2023 Pacific Ocean Perch Catch by Area

2023	TAC (mt)	Catch (mt)	%
<b>Bering Sea</b>	<b>11,903</b>	<b>10,422</b>	<b>88%</b>
<b>Eastern AI (541)</b>	<b>7,280</b>	<b>6,958</b>	<b>96%</b>
CDQ	872	528	61%
<b>Central AI (542)</b>	<b>5,044</b>	<b>4,932</b>	<b>98%</b>
CDQ	604	528	87%
<b>Western AI (543)</b>	<b>10,716</b>	<b>10,647</b>	<b>99%</b>
CDQ	1,284	1,160	90%
<b>TOTAL</b>	<b>37,703</b>	<b>35,175</b>	<b>93%</b>



# 2019-2023 Northern Rockfish Catch by Area

2023	ABC (mt)	TAC (mt)	Catch (mt)	%
Northern Rockfish	18,687	11,000	10,317	94%



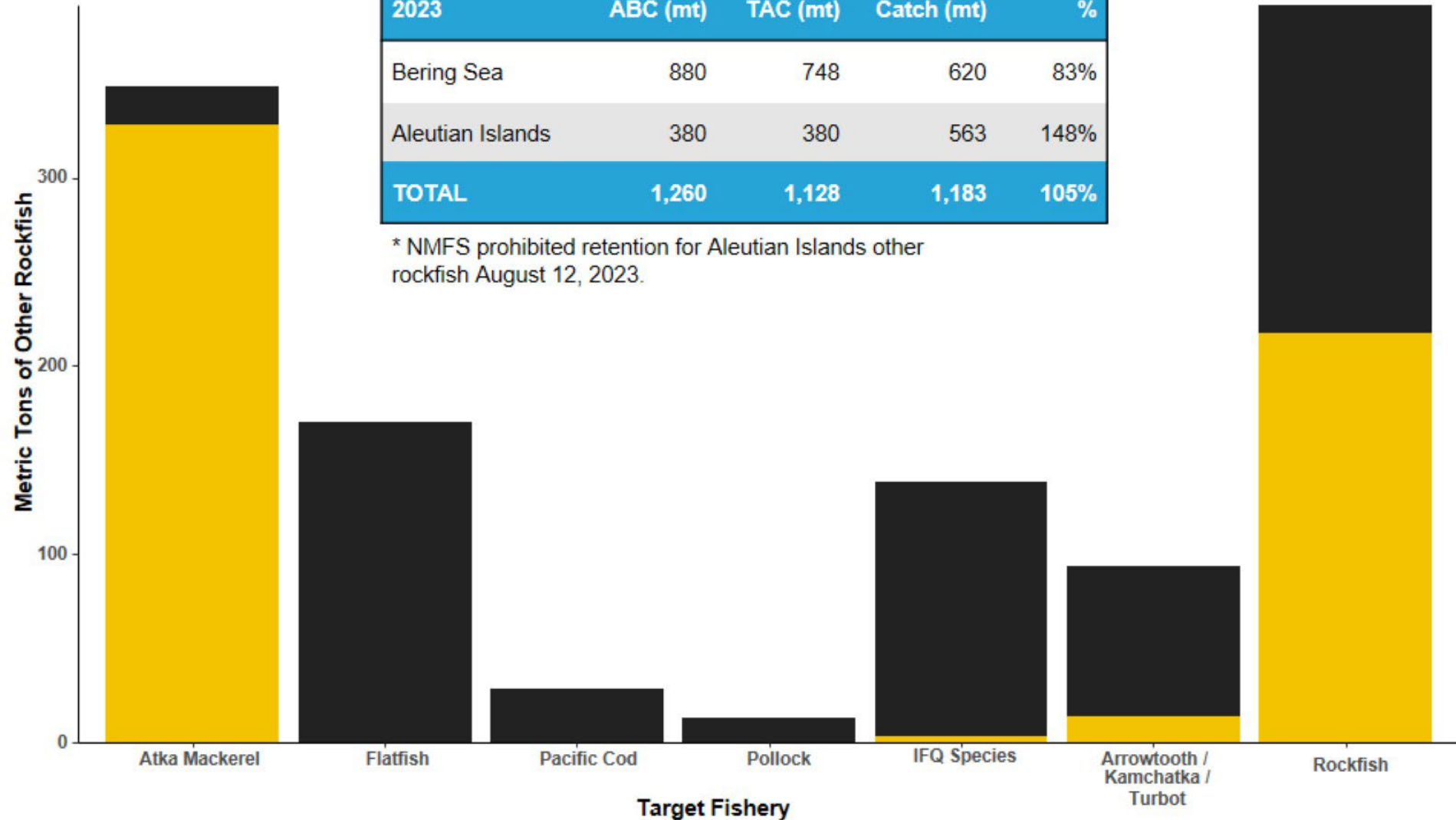


# 2023 BSAI Other Rockfish Catch

Bering Sea
  Aleutian Islands

2023	ABC (mt)	TAC (mt)	Catch (mt)	%
Bering Sea	880	748	620	83%
Aleutian Islands	380	380	563	148%
<b>TOTAL</b>	<b>1,260</b>	<b>1,128</b>	<b>1,183</b>	<b>105%</b>

\* NMFS prohibited retention for Aleutian Islands other rockfish August 12, 2023.



# 2023 BSAI Blackspotted / Rougheye Rockfish Catch

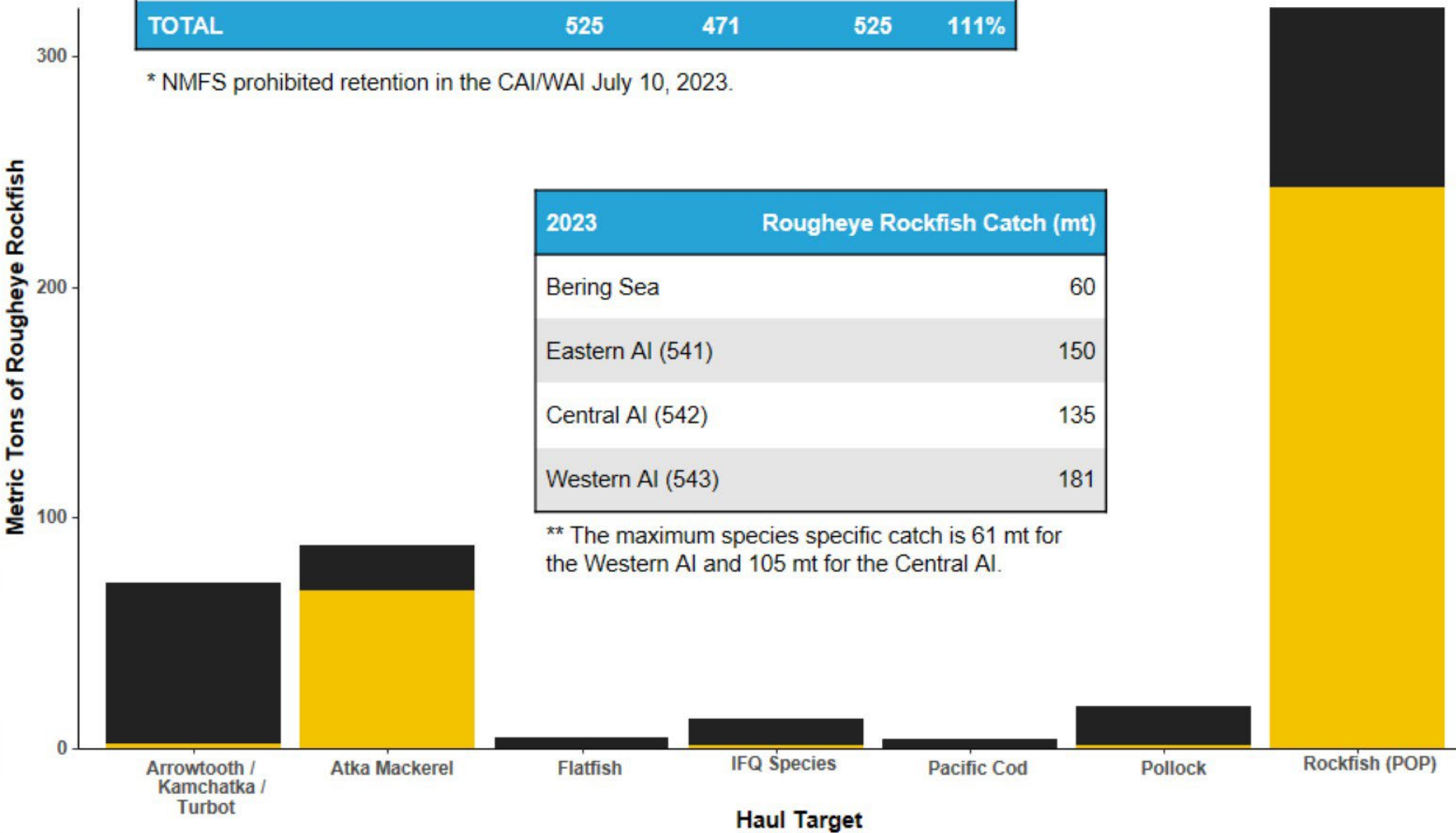
2023	ABC (mt)	TAC (mt)	Catch (mt)	%
BS/EAI Rougheye Rockfish	359	305	209	69%
CAI/WAI Rougheye Rockfish	166	166	316	190%
<b>TOTAL</b>	<b>525</b>	<b>471</b>	<b>525</b>	<b>111%</b>

BS / EAI Rougheye Rockfish  
 CAI / WAI Rougheye Rockfish

\* NMFS prohibited retention in the CAI/WAI July 10, 2023.

2023	Rougheye Rockfish Catch (mt)
Bering Sea	60
Eastern AI (541)	150
Central AI (542)	135
Western AI (543)	181

\*\* The maximum species specific catch is 61 mt for the Western AI and 105 mt for the Central AI.

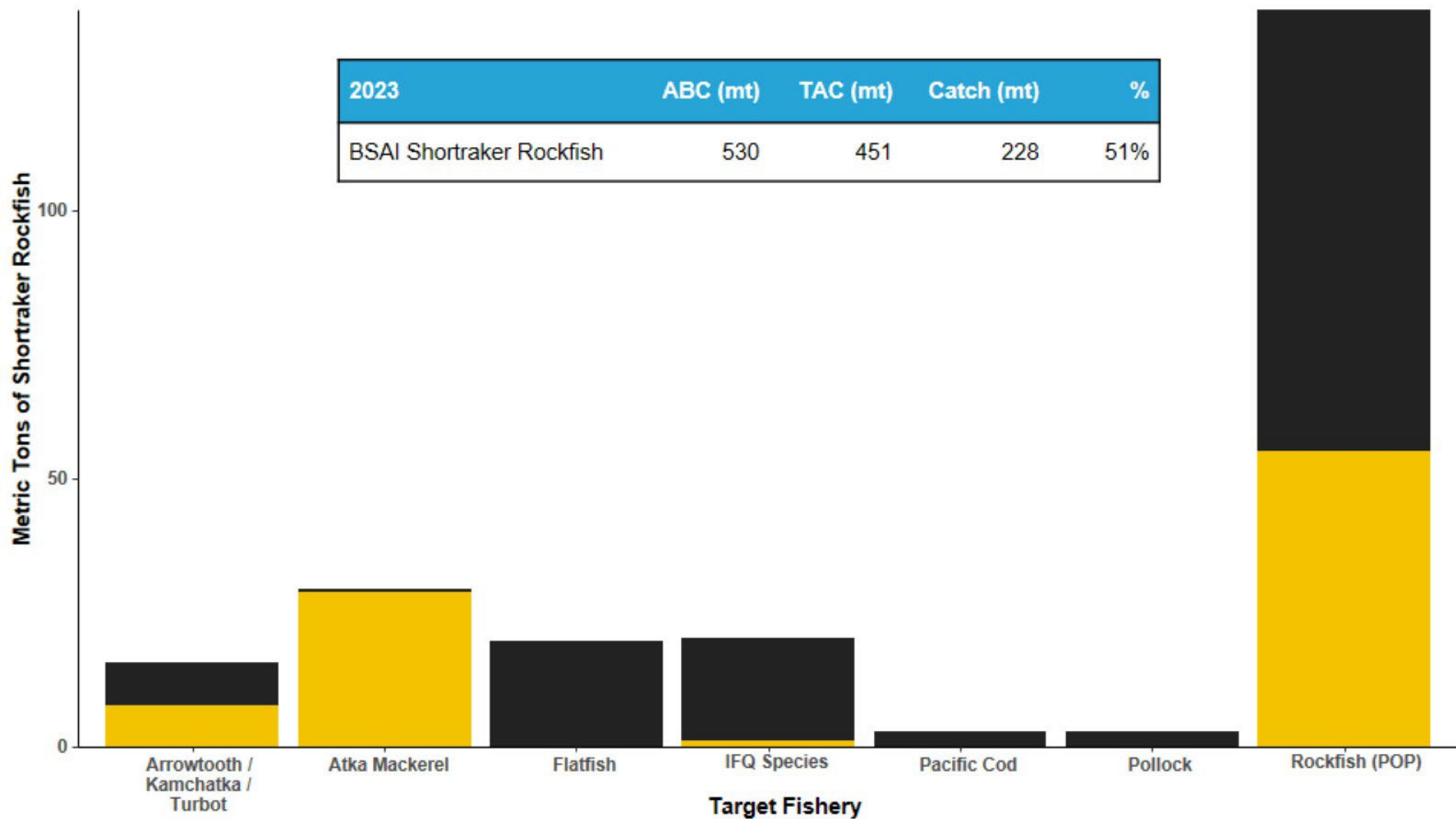


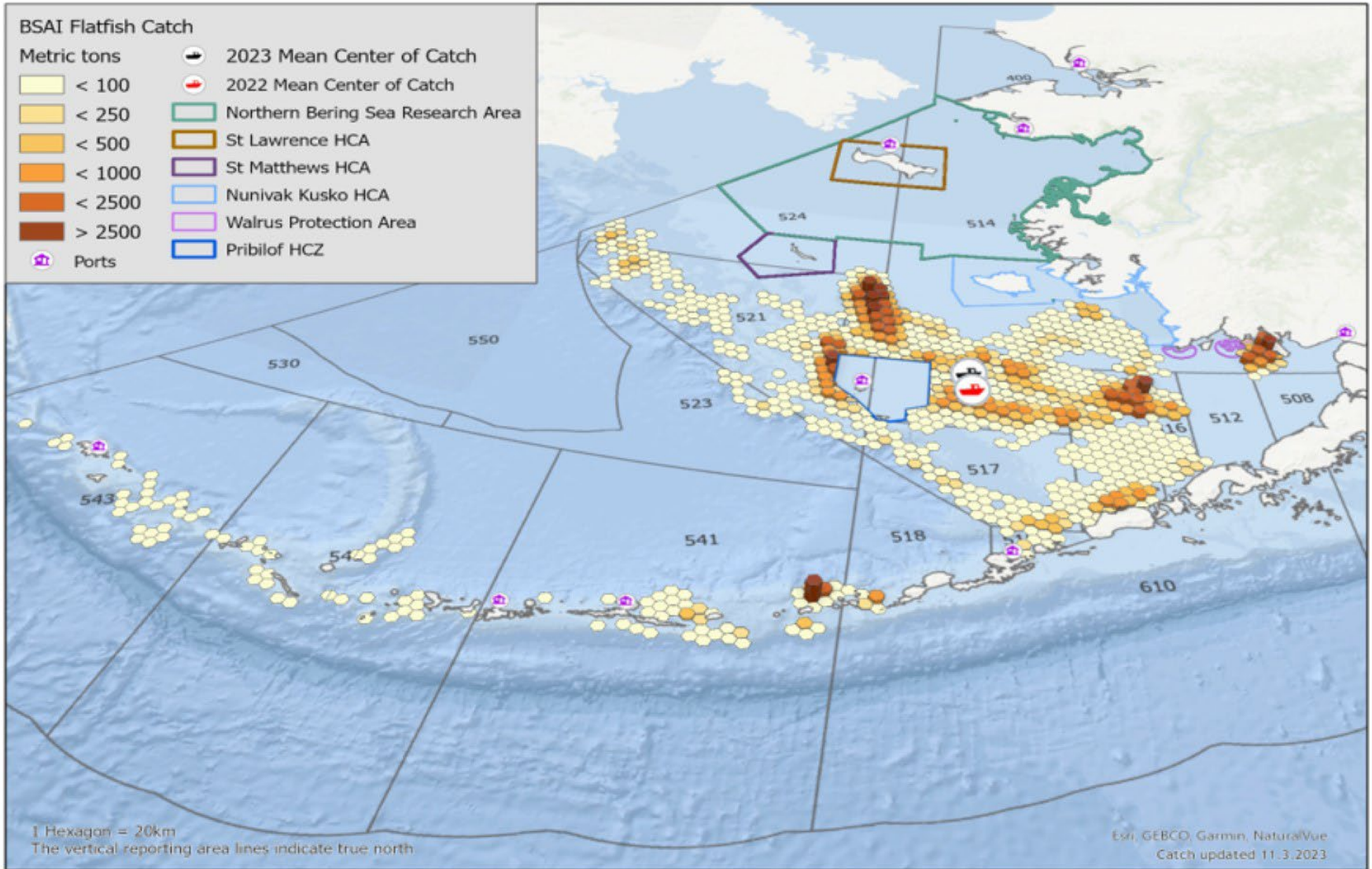
Haul Target

# 2023 BSAI Shortraker Rockfish Catch

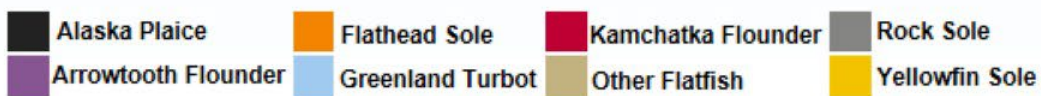
■ Bering Sea ■ Aleutian Islands

2023	ABC (mt)	TAC (mt)	Catch (mt)	%
BSAI Shortraker Rockfish	530	451	228	51%

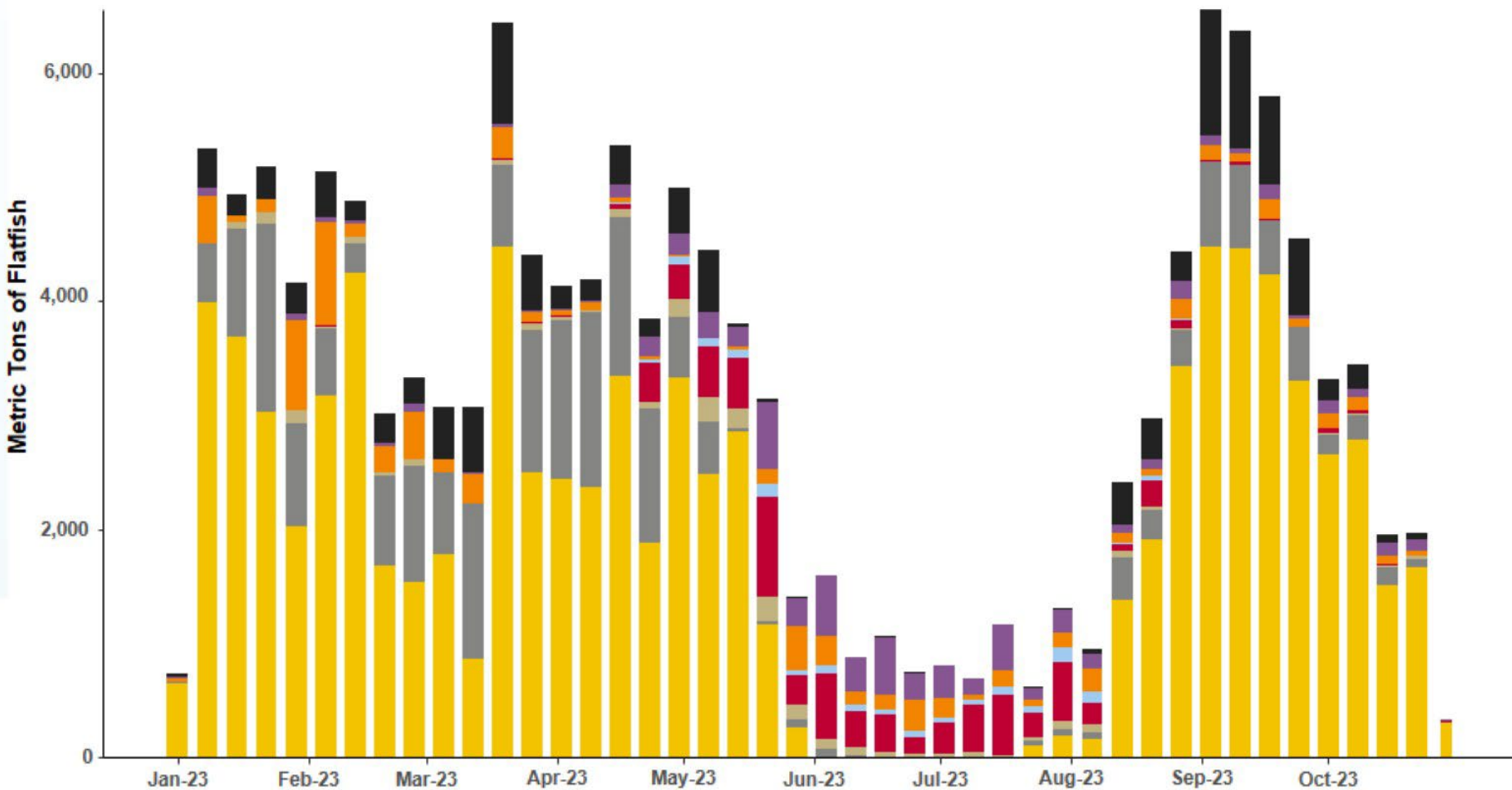




# 2023 BSAI Flatfish Catch by Amendment 80 Vessels

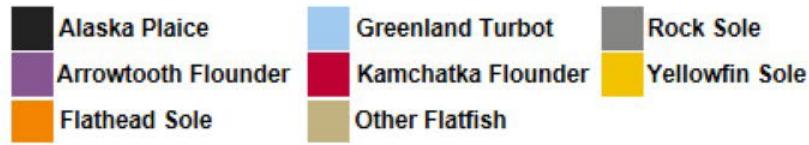


*Does not include CDQ*

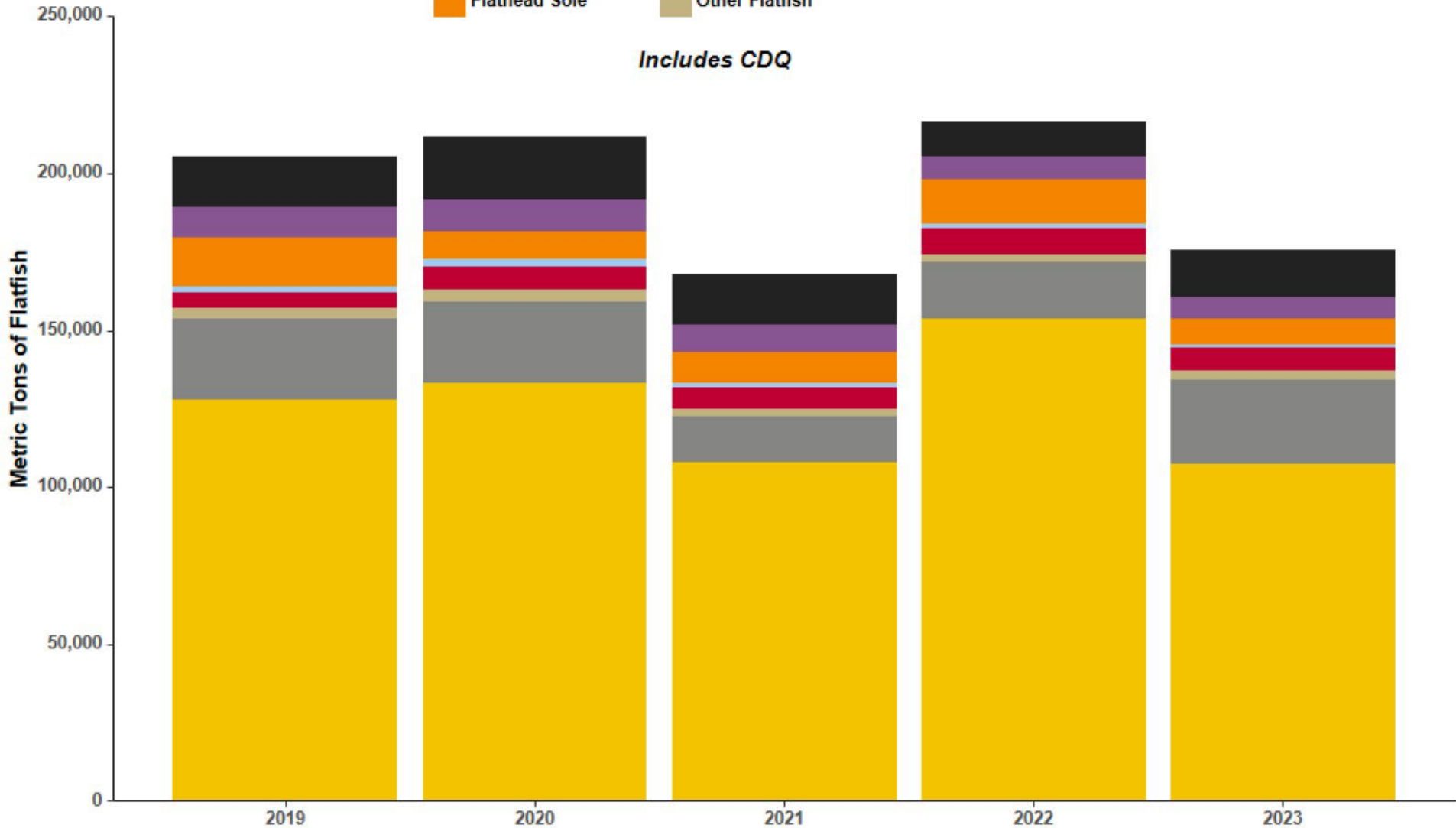




# 2019-2023 BSAI Trawl Flatfish Catch by Species



*Includes CDQ*



# 2019-2023 BSAI Greenland Turbot Catch



*Includes CDQ*

2023	TAC (mt)	Trawl (mt)	HAL (mt)	Catch (mt)	%
Aleutian Islands	529	476	1	479	91%
Bering Sea	2,837	757	20	790	28%
Bering Sea CDQ	357	2	1	3	1%

Directed fishing is closed in the Aleutian Islands.

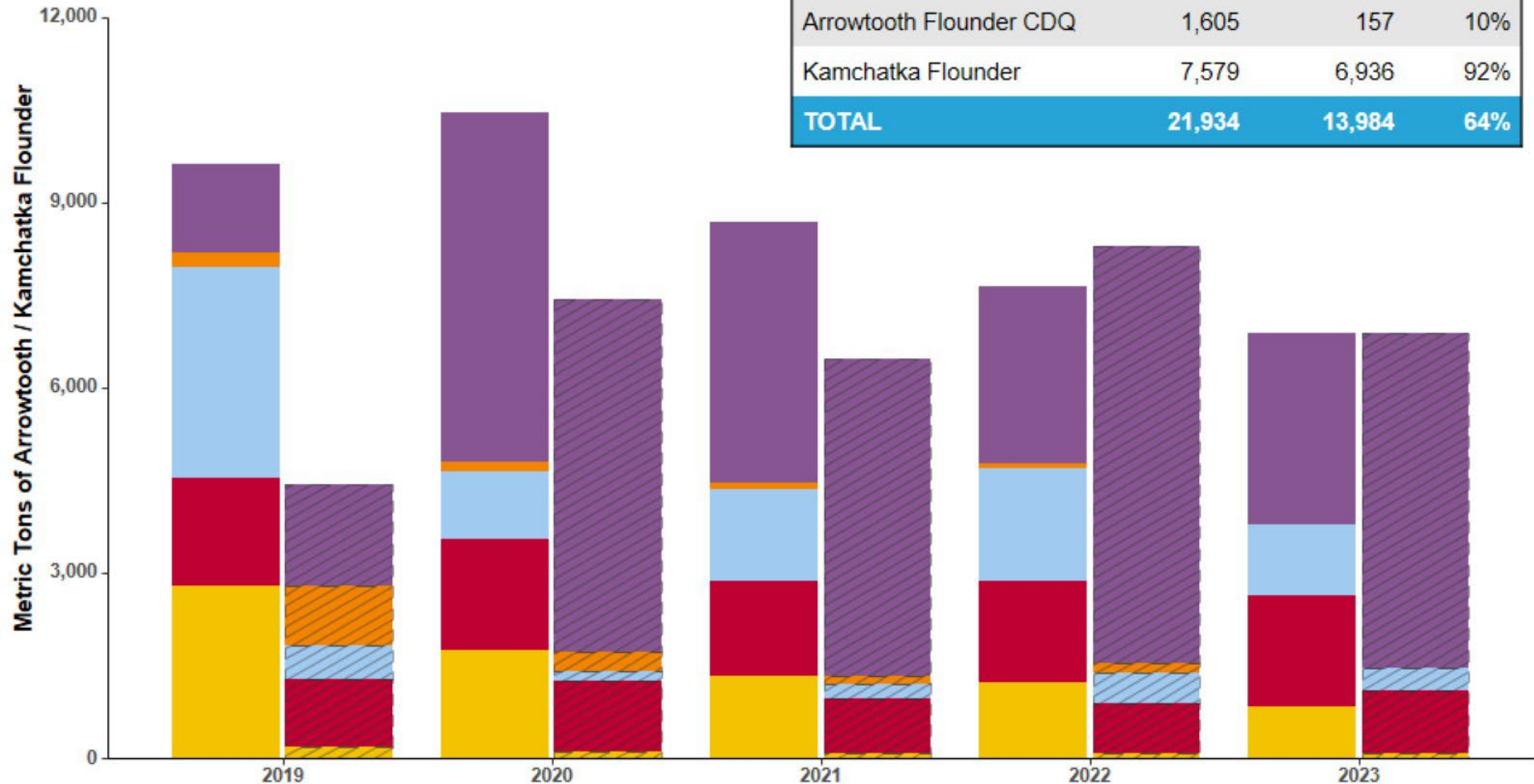




# 2019-2023 BSAI Arrowtooth / Kamchatka Flounder Catch



2023	TAC (mt)	Catch (mt)	%
Arrowtooth Flounder	12,750	6,891	54%
Arrowtooth Flounder CDQ	1,605	157	10%
Kamchatka Flounder	7,579	6,936	92%
<b>TOTAL</b>	<b>21,934</b>	<b>13,984</b>	<b>64%</b>



# 2023 Flatfish Catch in the BSAI



2023	ABC (mt)	Sector	TAC (mt)	Catch (mt)	%
Arrowtooth flounder	83,852		12,750	6,891	54%
		CDQ	1,605	157	10%
Flathead sole**	65,344		31,702	8,516	27%
		CDQ	3,799	329	9%
Rock sole**	121,719		58,938	24,181	41%
		CDQ	7,062	2,839	40%
Yellowfin sole	378,499		205,390	99,259	48%
		CDQ	24,610	8,489	34%
Kamchatka flounder Includes CDQ ***	7,579		7,579	6,936	92%
Alaska plaice* Includes CDQ ***	33,946		17,875	15,131	85%
Other flatfish Includes CDQ ***	17,189		3,825	3,009	79%

\* TAC increased from the nonspecified reserves.  
 \*\* TAC changed from Flatfish Exchanges  
 \*\*\* 'Includes CDQ' means there is no CDQ allocation for that species

# 2023 Changes in Flatfish TAC from Flatfish Exchanges

Group	Date	Flathead Sole		Rock Sole		Yellowfin Sole	
		TAC	Exchange	TAC	Exchange	TAC	Exchange
Initial	01-Jan	35,501		66,000		230,000	
NSEDC	09-Sept		-400		+400		0
<b>Total Change</b>		<b>35,101</b>		<b>66,400</b>		<b>230,000</b>	<b>0</b>

APICDA - Aleutian Pribilof Island Community Development Association

BBEDC - Bristol Bay Economic Development Corporation

CBSFA - Central Bering Sea Fishermen's Association

CVRF - Coastal Villages Region Fund

NSEDC - Norton Sound Economic Development Corporation

YDFDA - Yukon Delta Fisheries Development Association

## Number of Amendment 80 Catcher/Processors and Catcher Vessels

2022 18 Catcher/Processors and 1 Catcher Vessel

2023 17 Catcher/Processors and 1 Catcher Vessel

### Number of Motherships (non-pollock)

2022 9

2023 8

### Number of CVs delivering to Motherships (non-pollock)

2022 12

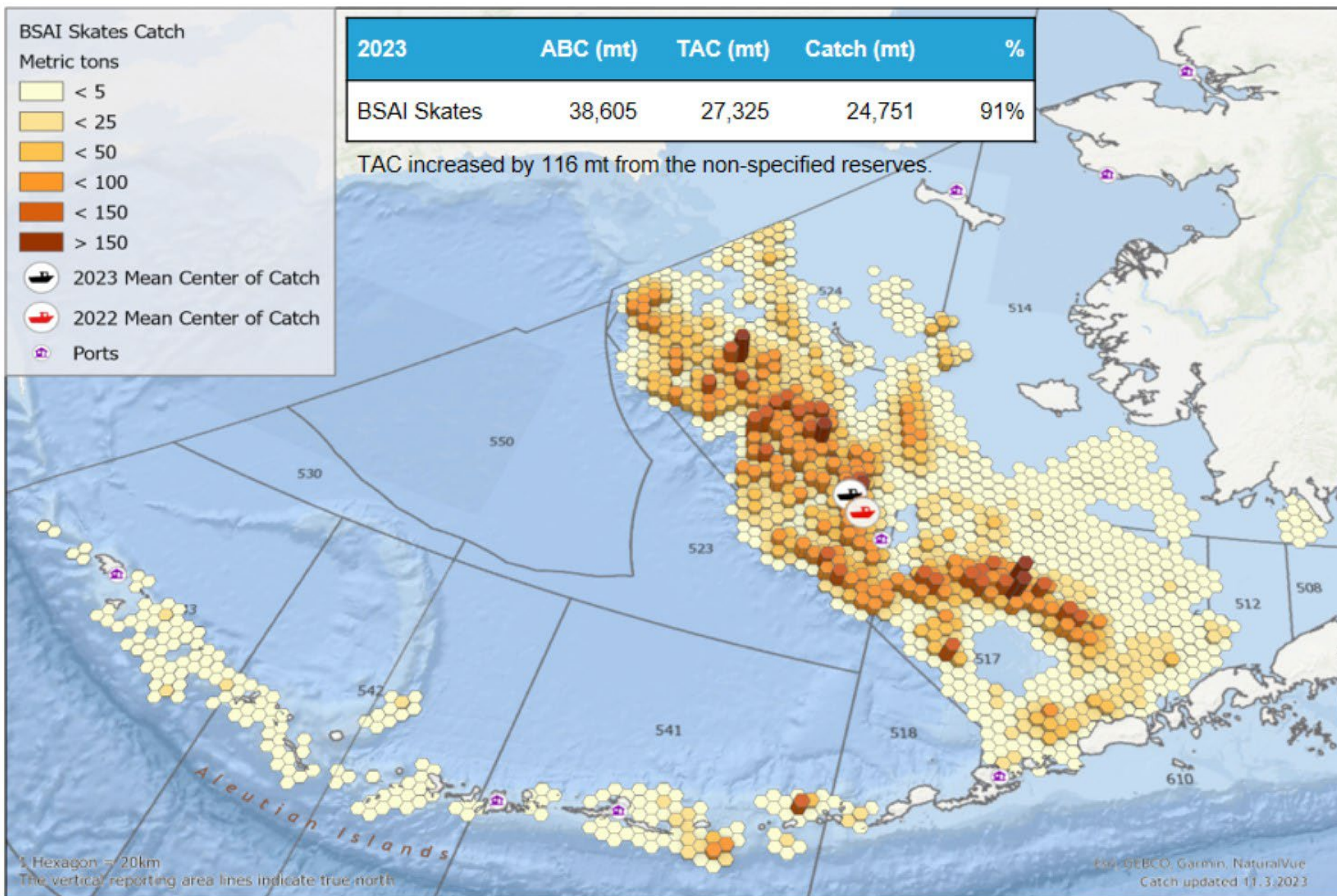
2023 11

# 2022 - 2023 CDQ Inter-Group Transfers

Species	Number of 2022 Transfers	Weight	Count
Arrowtooth Flounder	2	403	0
Atka Mackerel	6	1,804	0
Flathead Sole	2	453	0
Greenland Turbot	2	106	0
Pacific Cod	7	929	0
Pacific Ocean Perch	7	683	0
Pollock	1	12	0
Rock Sole	2	1,284	0
Sablefish	4	39	0
Yellowfin Sole	2	5,234	0
Crab PSC Limits	8	0	155,066
Halibut PSC Limit	4	45	0
<b>TOTAL</b>	<b>47</b>	<b>10,992</b>	<b>155,066</b>

Species	Number of 2023 Transfers	Weight	Count
Arrowtooth Flounder	2	373	0
Atka Mackerel	6	1,885	0
Flathead Sole	2	455	0
Greenland Turbot	2	95	0
Pacific Cod	7	1,085	0
Pacific Ocean Perch	6	673	0
Rock Sole	2	1,320	0
Sablefish	4	44	0
Yellowfin Sole	2	6,145	0
Crab PSC Limits	8	0	185,820
Halibut PSC Limit	3	50	0
<b>TOTAL</b>	<b>44</b>	<b>12,125</b>	<b>185,820</b>

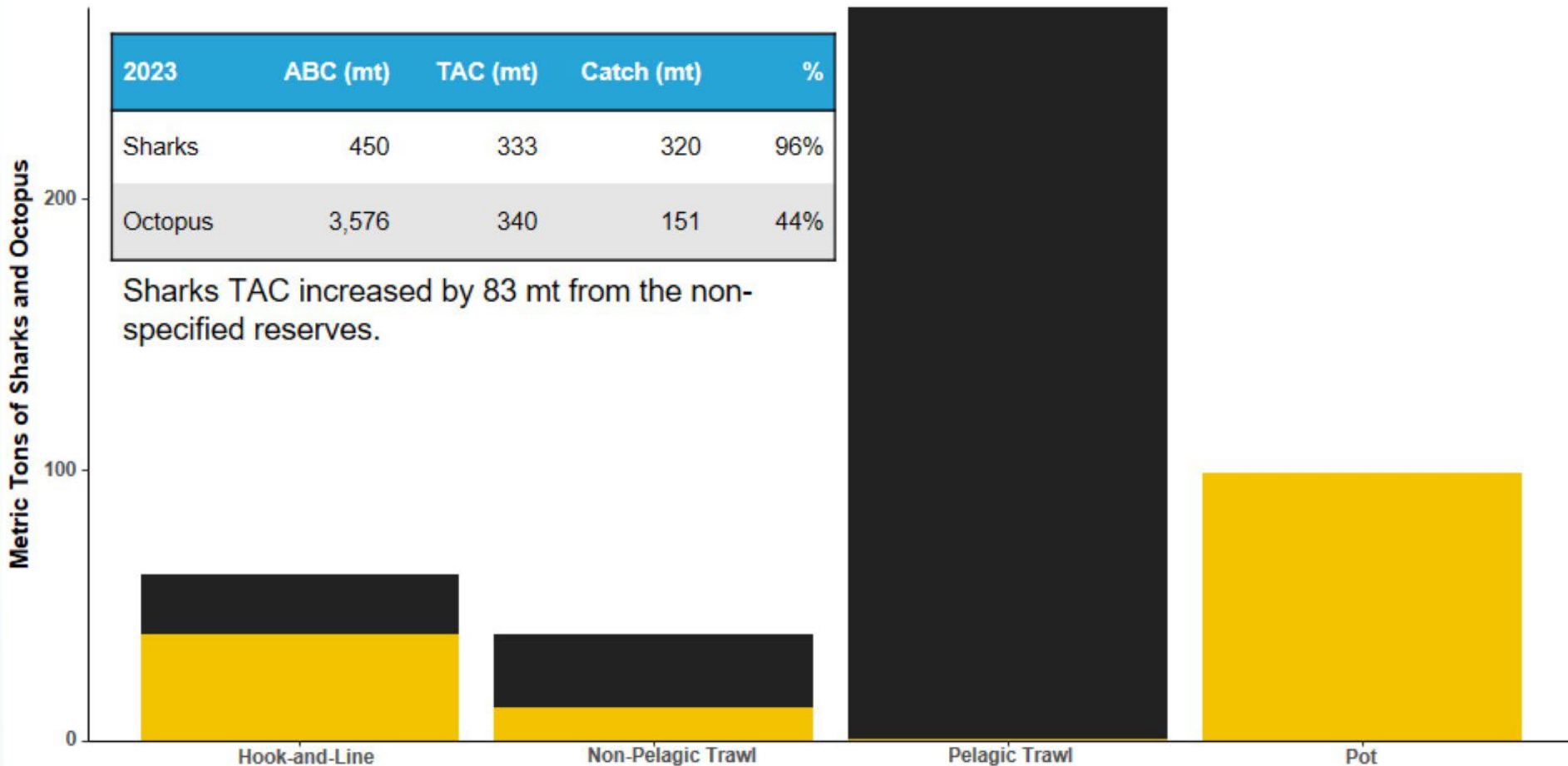
# 2023 Skates Catch



# 2023 BSAI Sharks and Octopus

2023 (all weights in mt)	Salmon Sharks	Sleeper Sharks	Spiny Dogfish	Other Sharks	Octopus
Hook-and-Line	7	13	2	0	39
Non-Pelagic Trawl	2	24	<1	<1	12
Pelagic Trawl	206	63	<1	<1	<1
Pot	0	<1	0	0	99
<b>Total</b>	<b>215</b>	<b>100</b>	<b>3</b>	<b>&lt;1</b>	<b>151</b>

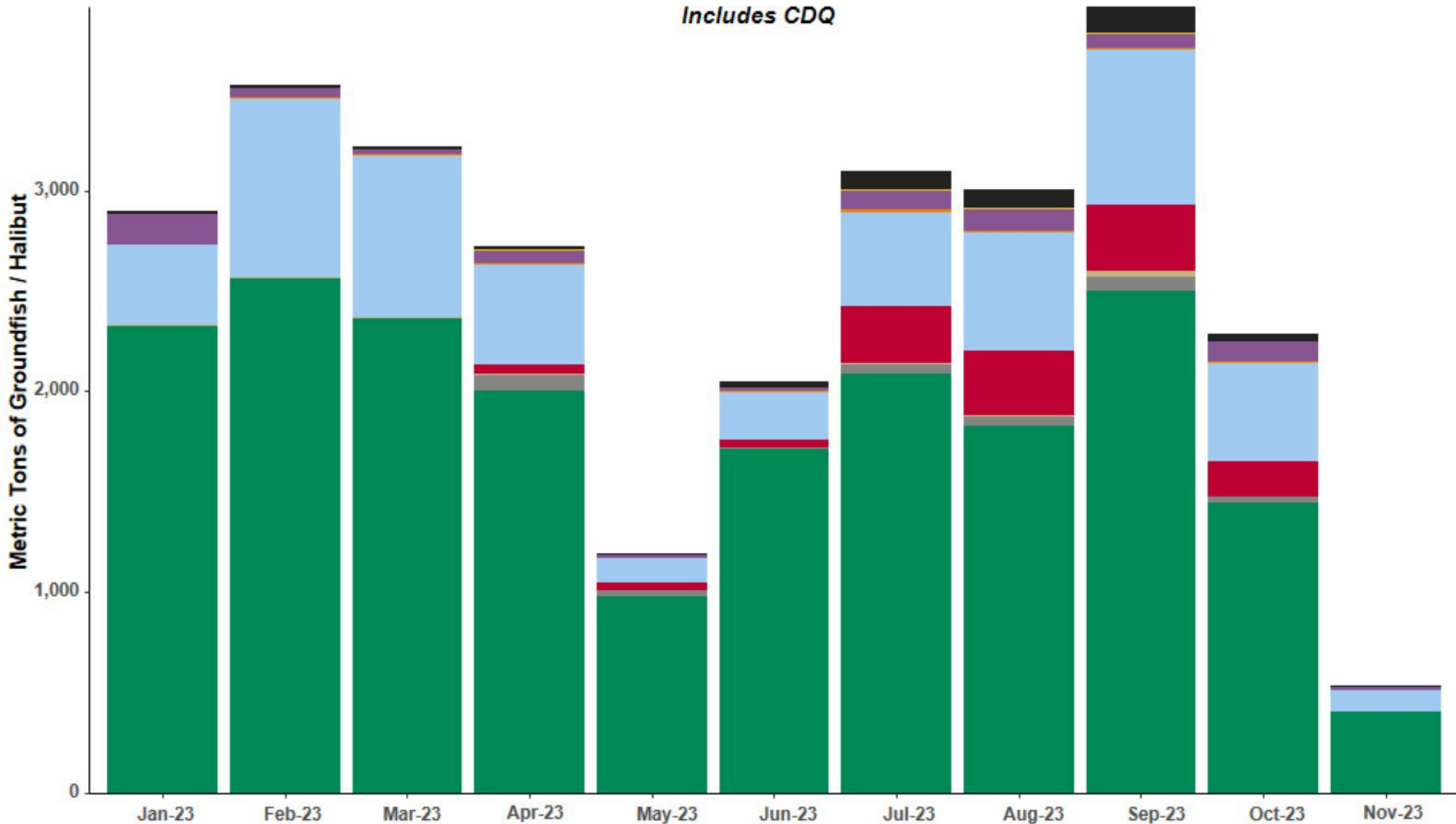
Sharks
  Octopus  
*Includes CDQ*



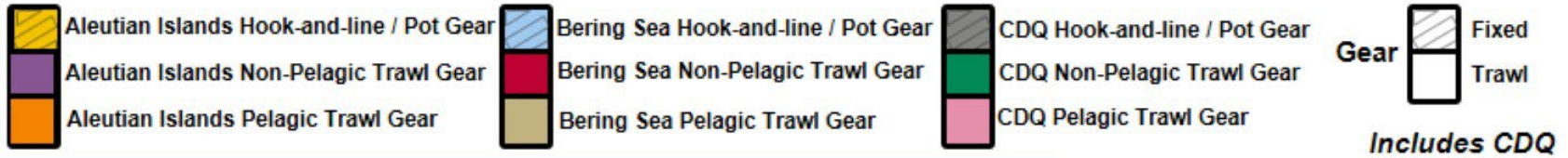
# 2023 BSAI Hook-and-Line Non Pacific Cod Catch



*Includes CDQ*

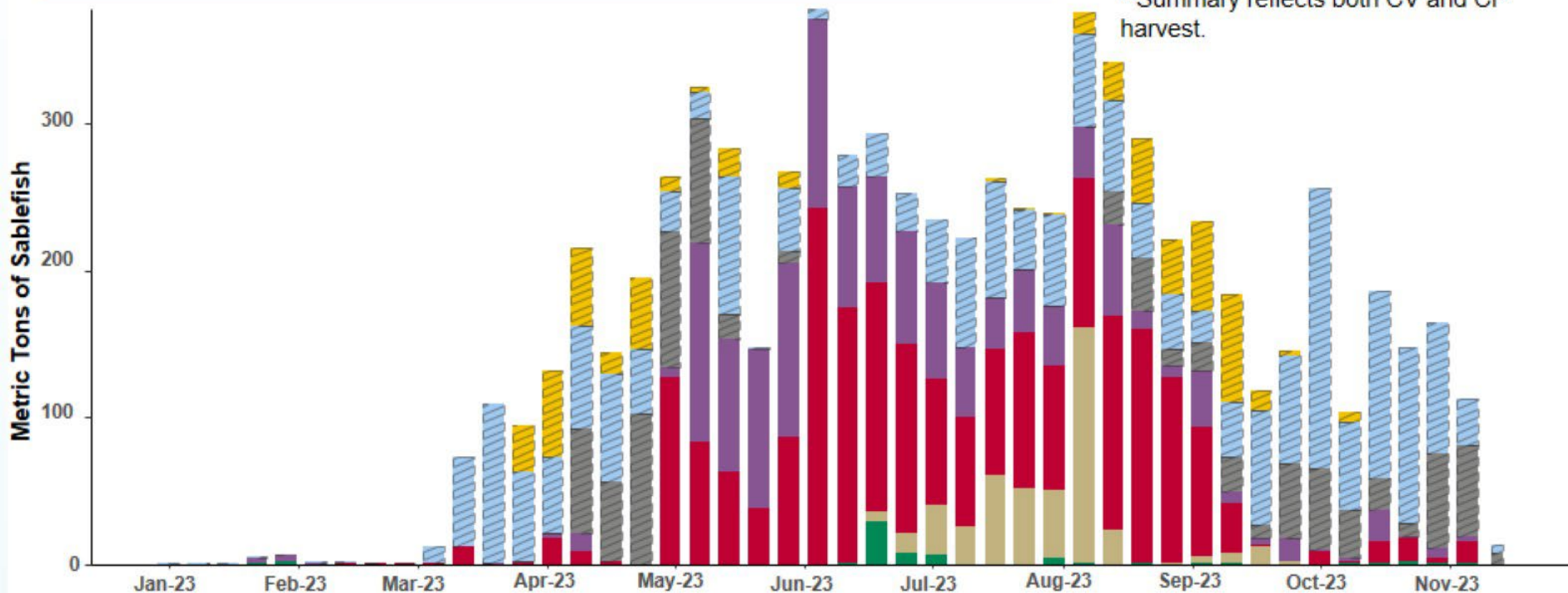


# 2023 BSAI Sablefish Catch



2023	TAC (mt)	Catch (mt)	%
Aleutian Islands (Trawl)	1,794	1,303	73%
Aleutian Islands (Fixed)	5,064	533	11%
Aleutian Islands (CDQ)	1,424	485	34%
Bering Sea (Trawl)	3,398	2,745	81%
Bering Sea (Fixed)	3,198	2,082	65%
Bering Sea (CDQ)	1,100	429	39%
<b>TOTAL</b>	<b>15,978</b>	<b>7,577</b>	<b>47%</b>

2023 Pot Gear Sablefish Catch	Hard Pots	Slinky Pots
Aleutian Islands	34%	66%
Bering Sea	51%	49%
<b>TOTAL</b>	<b>47%</b>	<b>53%</b>



\* Summary reflects both CV and CP harvest.





# 2023 Non-specified Reserve Releases

42

Species	Initial TAC (mt)	Reallocations	Revised TAC	Catch (mt)	%
BS Pacific ocean perch	10,118	+1,785	11,903	10,422	88%
BSAI Alaska Plaice	14,875	+3,000	17,875	15,131	85%
BSAI Kamchatka Flounder	6,442	+1,137	7,579	6,936	92%
BSAI Northern Rockfish	9,350	+1,650	11,000	10,317	94%
BSAI Shark	213	+120	333	320	96%
BSAI Skates	23,325	+4,000	27,325	24,751	91%
CAI-WAI Roughey Rockfish	141	+25	166	316	190%
<b>Reserves</b>	<b>13,716</b>	<b>-11,717</b>	<b>1,999</b>		

## BSAI Groundfish Species Placed on Prohibited Species Status

2022					2023				
				Date					Date
Roughey Rockfish	Central Aleutian Islands - Area 542	All	All Gears	August 06	Roughey Rockfish	Central Aleutian Islands - Area 542	All	All Gears	July 10
Roughey Rockfish	Western Aleutian Islands - Area 543	All	All Gears	August 06	Roughey Rockfish	Western Aleutian Islands - Area 543	All	All Gears	July 10
Other Rockfish	Aleutian Islands	All	All Gears	August 23	Other Rockfish	Aleutian Islands	All	All Gears	August 12
Sablefish	Bering Sea	All	Trawl	September 21					

# 2022 - 2023 BSAI Trawl Groundfish Retained and Discarded

43

2022 Trawl	Retained	Discarded	% Retained
Pacific Cod	45,009	732	98%
Pollock	1,090,796	13,092	99%
Yellowfin Sole	151,493	1,962	99%
Atka Mackerel	57,419	618	99%
Kamchatka Flounder	8,047	234	97%
Greenland Turbot	1,403	51	97%
Pacific Ocean Perch	33,633	1,148	97%
Flathead Sole	13,638	597	96%
Rock Sole	17,406	979	95%
Northern Rockfish	7,263	599	92%
Alaska Plaice	10,344	908	92%
Arrowtooth Flounder	6,702	729	90%
Sablefish*	2,209	1,276	63%
Shortraker Rockfish	234	37	86%
Rougheye Rockfish*	254	156	62%
Other Flatfish	1,070	1,145	48%
Other Rockfish*	780	450	63%
Skates	1,653	4,064	29%
Other Species	8	104	7%
<b>TOTAL</b>	<b>1,449,361</b>	<b>28,880</b>	<b>98%</b>

Sorted by 2023 species' percent retained.

\* Species on prohibited retention status.

'Other Species' includes sharks and octopus.

2023 Trawl	Retained	Discarded	% Retained
Pacific Cod	43,923	464	99%
Pollock	1,293,344	14,277	99%
Yellowfin Sole	106,072	1,290	99%
Atka Mackerel	64,720	963	99%
Kamchatka Flounder	6,743	125	98%
Greenland Turbot	1,207	28	98%
Pacific Ocean Perch	34,158	1,016	97%
Flathead Sole	8,152	310	96%
Rock Sole	26,006	1,006	96%
Northern Rockfish	9,790	502	95%
Alaska Plaice	14,090	1,040	93%
Arrowtooth Flounder	6,031	540	92%
Sablefish	3,623	483	88%
Shortraker Rockfish	188	35	84%
Rougheye Rockfish*	313	204	61%
Other Flatfish	1,763	1,195	60%
Other Rockfish*	680	467	59%
Skates	1,255	3,296	28%
Other Species	19	291	6%
<b>TOTAL</b>	<b>1,622,079</b>	<b>27,532</b>	<b>98%</b>

Sorted by species' percent retained.

\* Species on prohibited retention status.

'Other Species' includes sharks and octopus.

# 2022 - 2023 BSAI Fixed Gear Groundfish Retained and Discarded <sup>44</sup>

2022 Hook-and-Line	Retained	Discarded	% Retained
Pacific Cod	70,559	1,269	98%
Pollock	4,129	703	85%
Sablefish	200	222	47%
Skates	10,902	12,617	46%
Rougheye Rockfish*	3	40	7%
Shortraker Rockfish	2	10	14%
Arrowtooth Flounder	17	428	4%
Greenland Turbot	0	17	2%
Other Rockfish*	5	97	5%
Other Species	1	49	2%
Other Flatfish	4	1,107	0%
Shark	0	26	0%
<b>TOTAL</b>	<b>85,823</b>	<b>16,586</b>	<b>84%</b>

Sorted by 2023 species' percent retained.

\* Species on prohibited retention status.

'Other Species' includes Atka mackerel and octopus.

2022 Pot	Retained	Discarded	% Retained
Pacific Cod	21,267	44	100%
Sablefish	3,781	56	99%
Octopus	71	131	35%
Other Species	33	634	5%
<b>TOTAL</b>	<b>25,153</b>	<b>865</b>	<b>97%</b>

Sorted by 2023 species' percent retained.

\* Species on prohibited retention status.

'Other Species' includes Atka mackerel, flatfish, rockfish, pollock, sculpin, skates, and sharks.

2023 Hook-and-Line	Retained	Discarded	% Retained
Pacific Cod	62,735	1,189	98%
Pollock	4,763	615	89%
Sablefish	181	121	60%
Skates	10,630	9,569	53%
Rougheye Rockfish*	4	4	49%
Shortraker Rockfish	1	3	33%
Arrowtooth Flounder	61	415	13%
Greenland Turbot	3	20	12%
Other Rockfish*	7	53	11%
Other Species	2	40	4%
Other Flatfish	0	696	0%
Shark	0	22	0%
<b>TOTAL</b>	<b>78,387</b>	<b>12,746</b>	<b>86%</b>

Sorted by species' percent retained.

\* Species on prohibited retention status.

'Other Species' includes Atka mackerel and octopus

2023 Pot	Retained	Discarded	% Retained
Pacific Cod	18,025	11	100%
Sablefish	3,160	8	100%
Octopus	63	35	64%
Other Species	32	221	13%
<b>TOTAL</b>	<b>21,281</b>	<b>275</b>	<b>99%</b>

Sorted by species' percent retained.

\* Species on prohibited retention status.

'Other Species' includes Atka mackerel, flatfish, rockfish, pollock, skates, and sharks.

Chinook Salmon	Total Catch (#)	Limit (#)	%
BS Pollock Fishery	11,855	45,000	26%
AI Pollock Fishery	0	700	0%
BSAI Non-Pollock Fisheries	2,692	n/a	n/a

Non-Chinook Salmon	Total Catch (#)	Limit (#)	%
BS Pollock Fishery	112,302	n/a	n/a
AI Pollock Fishery	0	n/a	n/a
BSAI Non-Pollock Fisheries	3,981	n/a	n/a

## Trawl Gear

Crab and Herring	Total Catch
Opilio Tanner Crab (#)	696,975
Bairdi Tanner Crab (#)	470,619
Red King Crab (#)	12,059
Blue King Crab (#)	139
Golden King Crab (#)	17,818
Herring (mt)	3,312

## Fixed Gear

Crab and Herring	Total Catch
Opilio Tanner Crab (#)	57,649
Bairdi Tanner Crab (#)	83,492
Red King Crab (#)	95,665
Blue King Crab (#)	1,075
Golden King Crab (#)	25,725

Fixed Gear Halibut (mt)	Retained	Discarded	Mortality	Limit	%
IFQ/CDQ Halibut Fishery	1,234	549	88	n/a	n/a
IFQ/CDQ Sablefish Fishery		7	2	n/a	n/a
Pacific Cod/Other Groundfish Targets - HAL		1,434	129	710	18%
Pacific Cod/Other Groundfish Targets - Pot		26	7	n/a	n/a
<b>TOTAL</b>	<b>1,234</b>	<b>2,016</b>	<b>226</b>	<b>n/a</b>	<b>n/a</b>

All catch, retained and discarded, is in round weight metric tons.

IFQ/CDQ Halibut discard mortality rate is 16% (Gilroy, H.L. 2012. Incidental mortality of halibut in the commercial halibut fishery (Wastage). Int. Pac. Halibut Comm. Report of Assessment and Research Activities).

IFQ Sablefish and Pacific Cod/Other groundfish target discard mortality rates are 9% for HAL catcher/processors, 9% for HAL catcher/vessels, and 26% for pot gear.

## Trawl Halibut Mortality\*

Target	Mortality * (mt)	Limit (mt)
Arrowtooth/Kamchatka/Turbot	119	n/a
Atka Mackerel	89	
Flathead Sole/Other Flatfish	151	
Pacific Cod	194	
Pollock	67	
Rockfish	46	
Rock Sole	294	
Yellowfin Sole	585	
<b>TOTAL</b>	<b>1,546</b>	<b>2,490</b>

\* Includes 497 mt deck sorted halibut mortality by 19 vessels. Does not include CDQ.

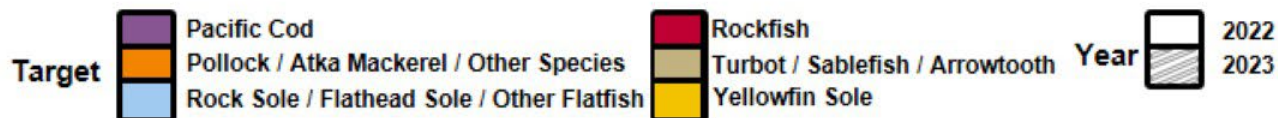
Discard mortality rates are 100% for pelagic trawl, 85% for non-pelagic trawl CPs and motherships, and 62% for non-pelagic trawl C/Vs.

## EFP Deck Sorting Halibut Mortality\*

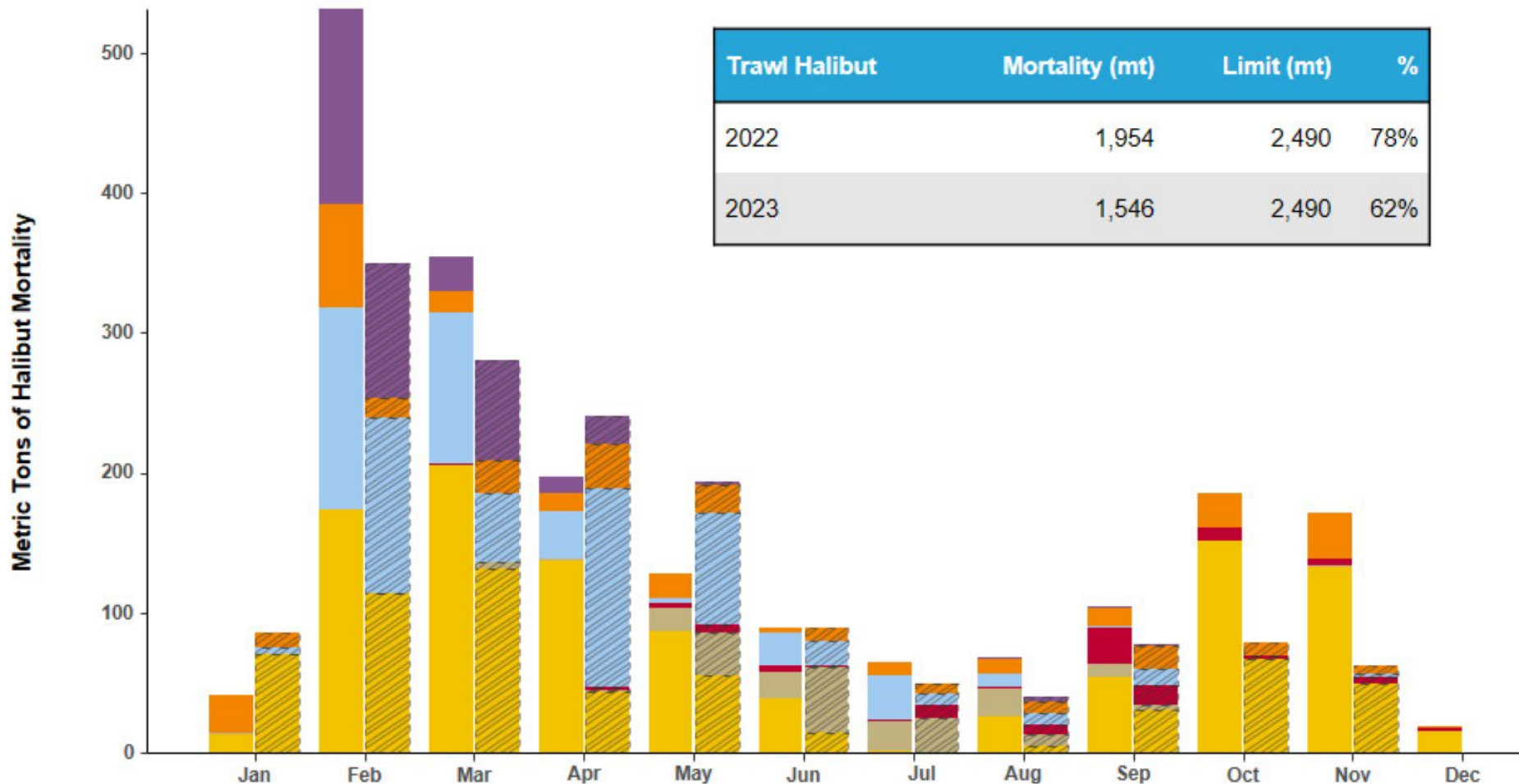
Year	Program*	Mortality (mt)	Vessels	% of Trawl Halibut Mortality
2016	EFP	222	12	10%
2017	EFP	591	17	33%
2018	EFP	928	21	48%
2019	EFP	1,160	22	51%
2020	Regulated	582	21	37%
2021	Regulated	398	21	28%
2022	Regulated	486	20	24%
2023	Regulated	497	19	30%

\* The regulated program for deck sorting began in 2020.

# 2022-2023 BSAI Trawl Halibut Mortality



*Does not include CDQ*



# 2023 BSAI Reduction in Halibut Mortality Compared to 5-Year Average

Sector		2018-2022 Average (mt)	2023 * (mt)	% Change (mt)	2018-2022 Rate **	2023 Rate **	% Change in Rate
Hook-and-Line	CPs	99	121	22%	1.08	1.47	36%
	CVs	2	0	-100%	2.59	0.00	-100%
Hook-and-Line	<b>Total</b>	<b>101</b>	<b>121</b>	<b>20%</b>	<b>1.09</b>	<b>1.47</b>	<b>35%</b>
Non-Pelagic Trawl	Amendment 80 CPs & CV	1,303	1,266	-3%	4.23	4.16	-2%
	AFA CPs	57	62	9%	4.32	4.01	-7%
	CVs	287	185	-35%	6.02	5.36	-11%
Non-Pelagic Trawl	<b>Total</b>	<b>1,646</b>	<b>1,512</b>	<b>-8%</b>	<b>4.46</b>	<b>4.27</b>	<b>-4%</b>
Pelagic Trawl	AFA CPs	65	22	-66%	0.14	0.05	-65%
	AFA CVs	16	11	-32%	0.02	0.02	-31%
Pelagic Trawl	<b>Total</b>	<b>81</b>	<b>33</b>	<b>-59%</b>	<b>0.07</b>	<b>0.03</b>	<b>-58%</b>
CDQ	Hook-and-Line Vessels	11	9	-22%	0.78	1.02	30%
	Non-Pelagic Trawl Vessels	115	90	-22%	3.57	3.19	-11%
	Pelagic Trawl Vessels	12	4	-67%	0.09	0.03	-67%
CDQ	<b>Total</b>	<b>138</b>	<b>102</b>	<b>-26%</b>	<b>0.77</b>	<b>0.61</b>	<b>-21%</b>
<b>TOTAL</b>	<b>Total</b>	<b>1,966</b>	<b>1,768</b>	<b>-10%</b>	<b>1.09</b>	<b>1.02</b>	<b>-7%</b>

\* 2023 data through 11/14/23.

\*\* Rate is kg of halibut / mt of groundfish



# 2023 BSAI Reduction in Halibut Mortality Compared to 2022

Sector		2022 (mt)	2023 * (mt)	% Change (mt)	2022 Rate **	2023 Rate **	% Change in Rate
Hook-and-Line	CPs	138	121	-12%	1.55	1.48	-5%
	CVs	0	0		0.00	0.00	
Hook-and-Line	<b>Total</b>	<b>138</b>	<b>121</b>	<b>-12%</b>	<b>1.55</b>	<b>1.48</b>	<b>-5%</b>
Non-Pelagic Trawl	Amendment 80 CPs & CV	1,556	1,266	-19%	4.67	4.16	-11%
	AFA CPs	67	62	-7%	5.20	4.03	-22%
	CVs	221	185	-16%	6.17	5.36	-13%
Non-Pelagic Trawl	<b>Total</b>	<b>1,844</b>	<b>1,513</b>	<b>-18%</b>	<b>4.83</b>	<b>4.27</b>	<b>-12%</b>
Pelagic Trawl	AFA CPs	93	22	-76%	0.24	0.05	-80%
	AFA CVs	17	11	-35%	0.03	0.02	-46%
Pelagic Trawl	<b>Total</b>	<b>110</b>	<b>33</b>	<b>-70%</b>	<b>0.12</b>	<b>0.03</b>	<b>-75%</b>
CDQ	Hook-and-Line Vessels	18	9	-50%	1.43	1.07	-25%
	Non-Pelagic Trawl Vessels	90	90	0%	3.11	3.20	3%
	Pelagic Trawl Vessels	13	4	-69%	0.12	0.03	-74%
CDQ	<b>Total</b>	<b>121</b>	<b>103</b>	<b>-15%</b>	<b>0.79</b>	<b>0.61</b>	<b>-23%</b>
<b>TOTAL</b>	<b>Total</b>	<b>2,213</b>	<b>1,770</b>	<b>-20%</b>	<b>1.40</b>	<b>1.02</b>	<b>-27%</b>

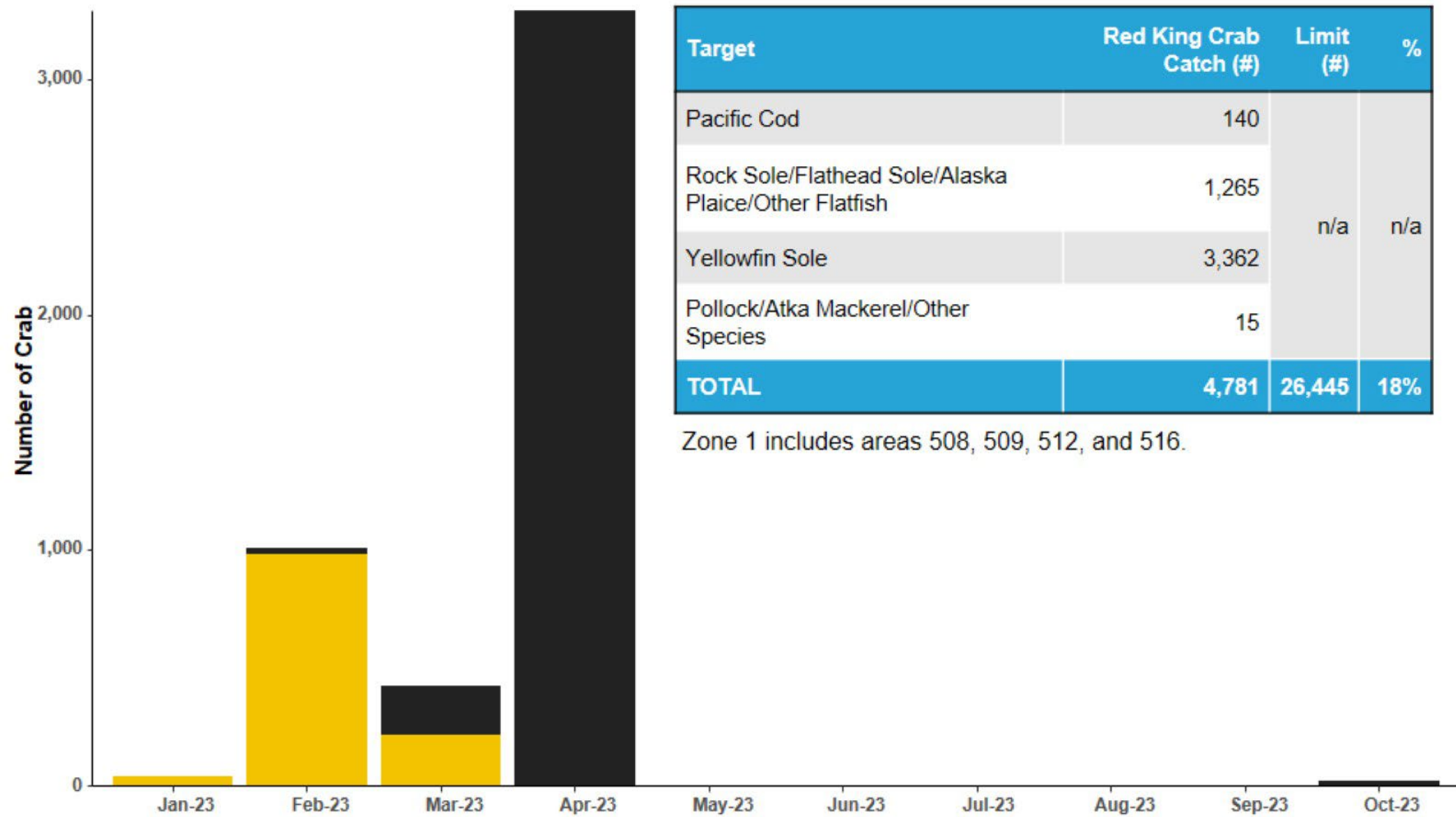
\* 2023 data through 11/14/23.

\*\* Rate is kg of halibut / mt of groundfish

# 2023 Zone 1 Trawl Red King Crab Incidental Catch by Target

Area  509  516

*Includes CDQ*

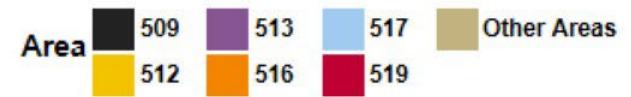


Target	Red King Crab Catch (#)	Limit (#)	%
Pacific Cod	140	n/a	n/a
Rock Sole/Flathead Sole/Alaska Plaice/Other Flatfish	1,265		
Yellowfin Sole	3,362		
Pollock/Atka Mackerel/Other Species	15		
<b>TOTAL</b>	<b>4,781</b>	<b>26,445</b>	<b>18%</b>

Zone 1 includes areas 508, 509, 512, and 516.

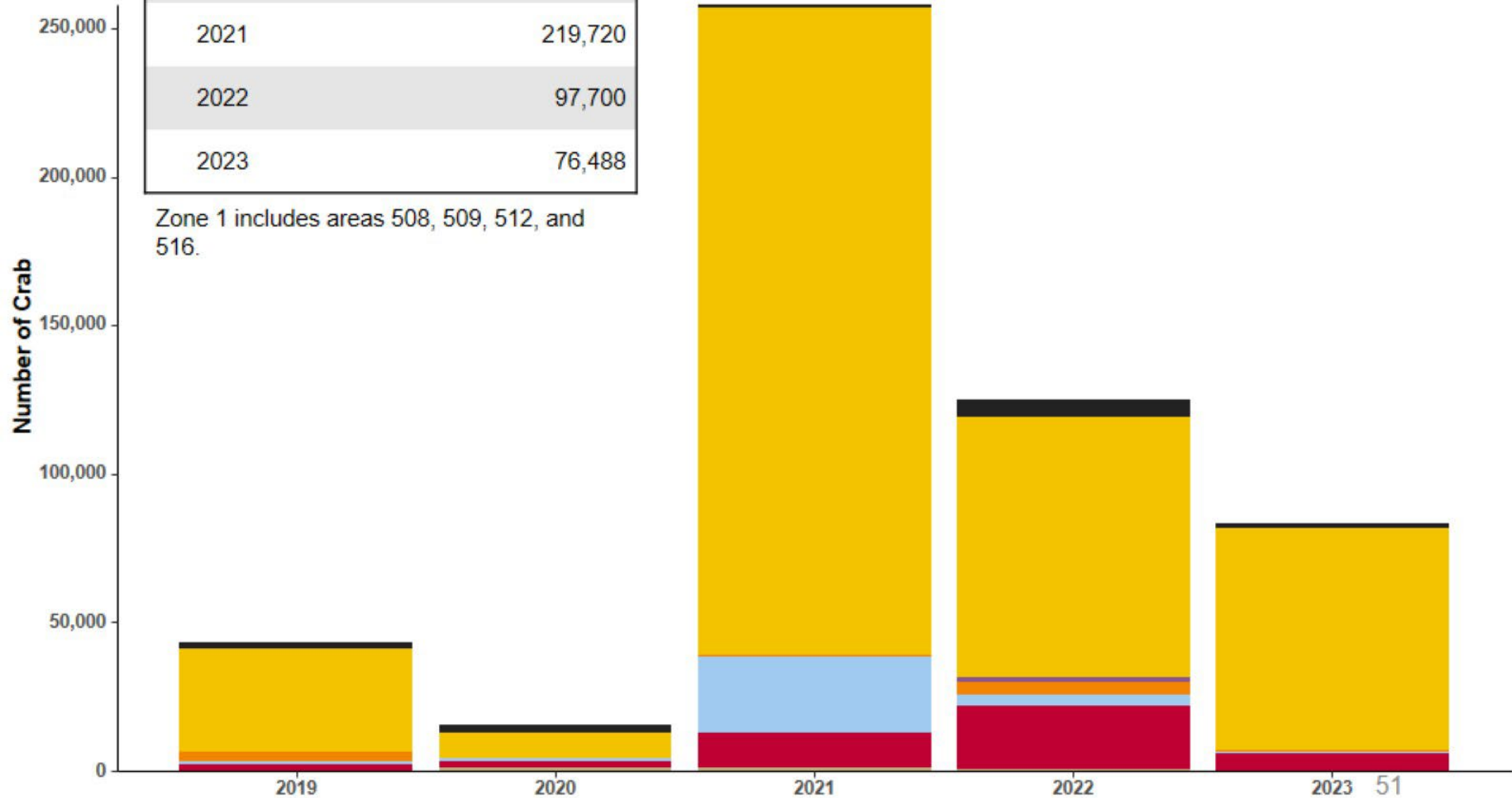
# 2019-2023 Fixed Gear Red King Crab Incidental Catch

Year	Zone 1 Red King Crab Catch (#)
2019	40,245
2020	11,301
2021	219,720
2022	97,700
2023	76,488

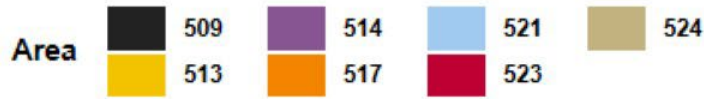


*Includes CDQ*

Zone 1 includes areas 508, 509, 512, and 516.



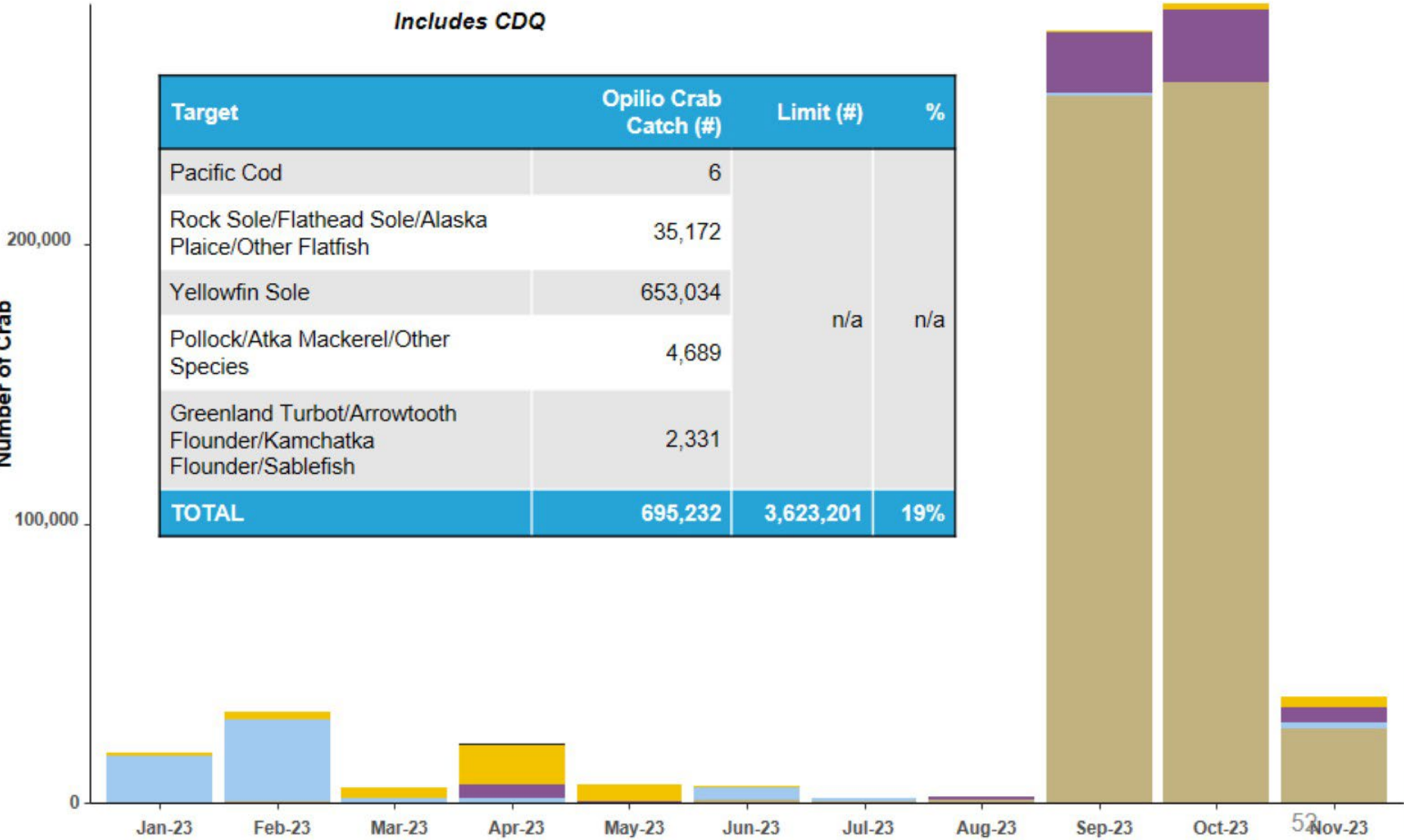
# 2023 COBLZ Trawl Opilio Crab Incidental Catch by Target



*Includes CDQ*

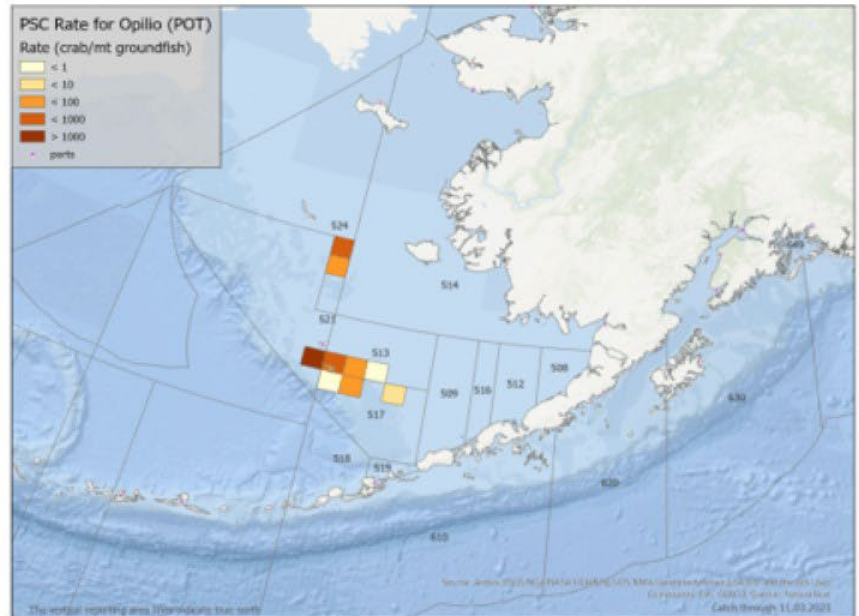
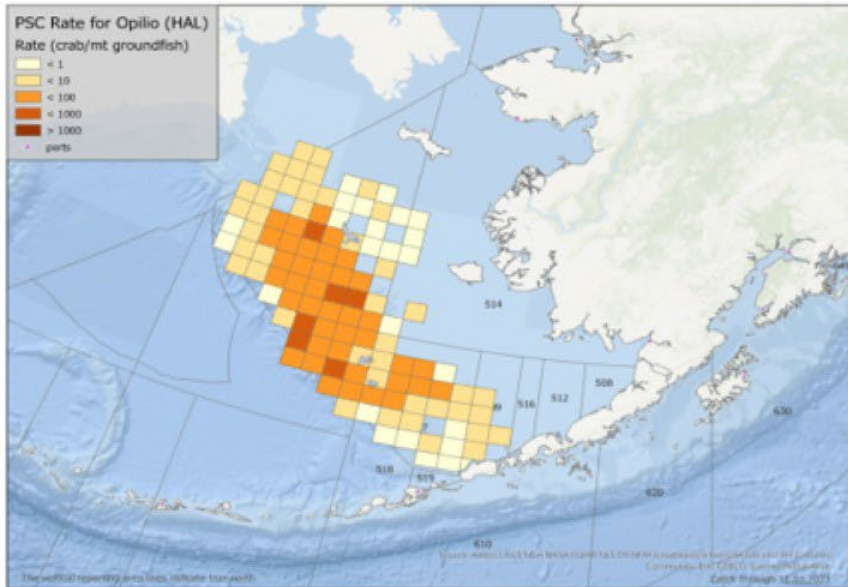
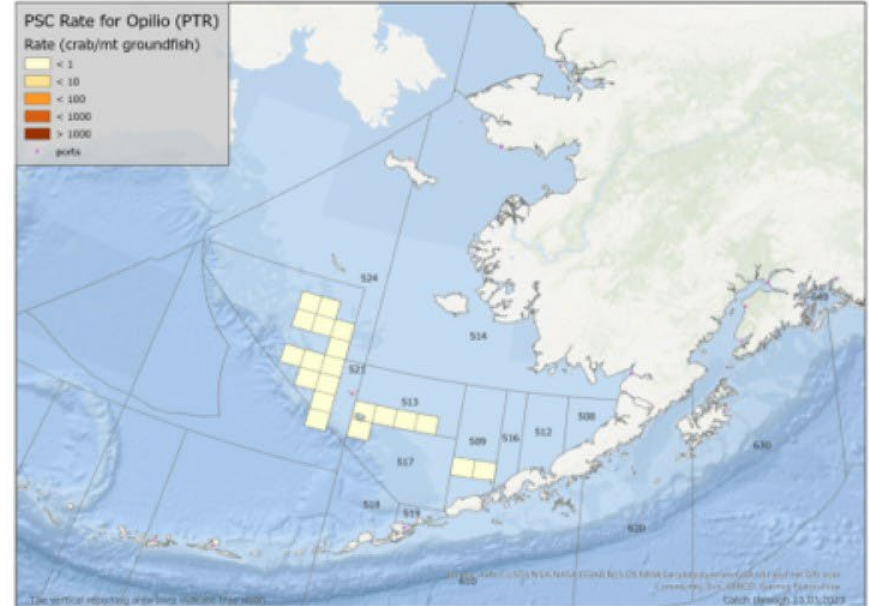
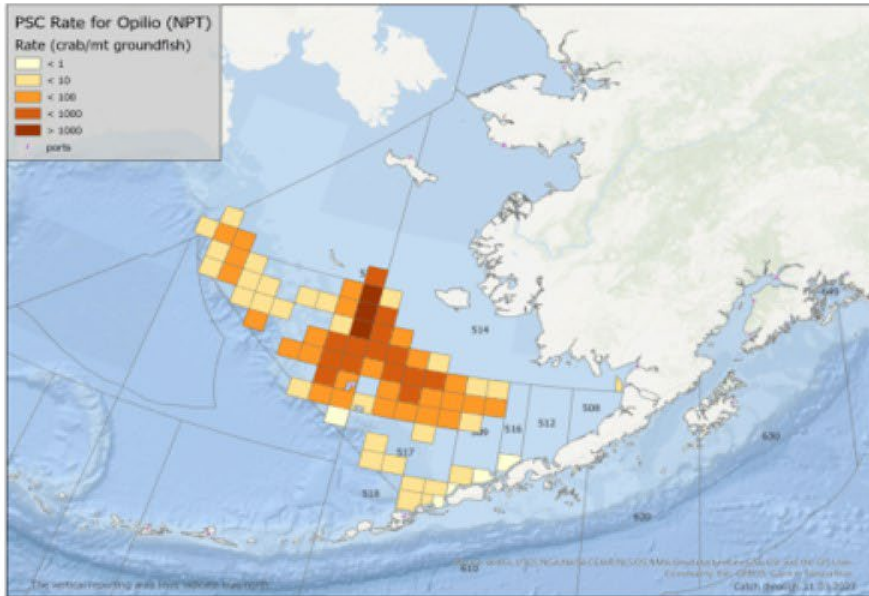
Target	Opilio Crab Catch (#)	Limit (#)	%
Pacific Cod	6	n/a	n/a
Rock Sole/Flathead Sole/Alaska Plaice/Other Flatfish	35,172		
Yellowfin Sole	653,034		
Pollock/Atka Mackerel/Other Species	4,689		
Greenland Turbot/Arrowtooth Flounder/Kamchatka Flounder/Sablefish	2,331		
<b>TOTAL</b>	<b>695,232</b>		

Number of Crab



52

# 2023 Opilio Incidental Catch



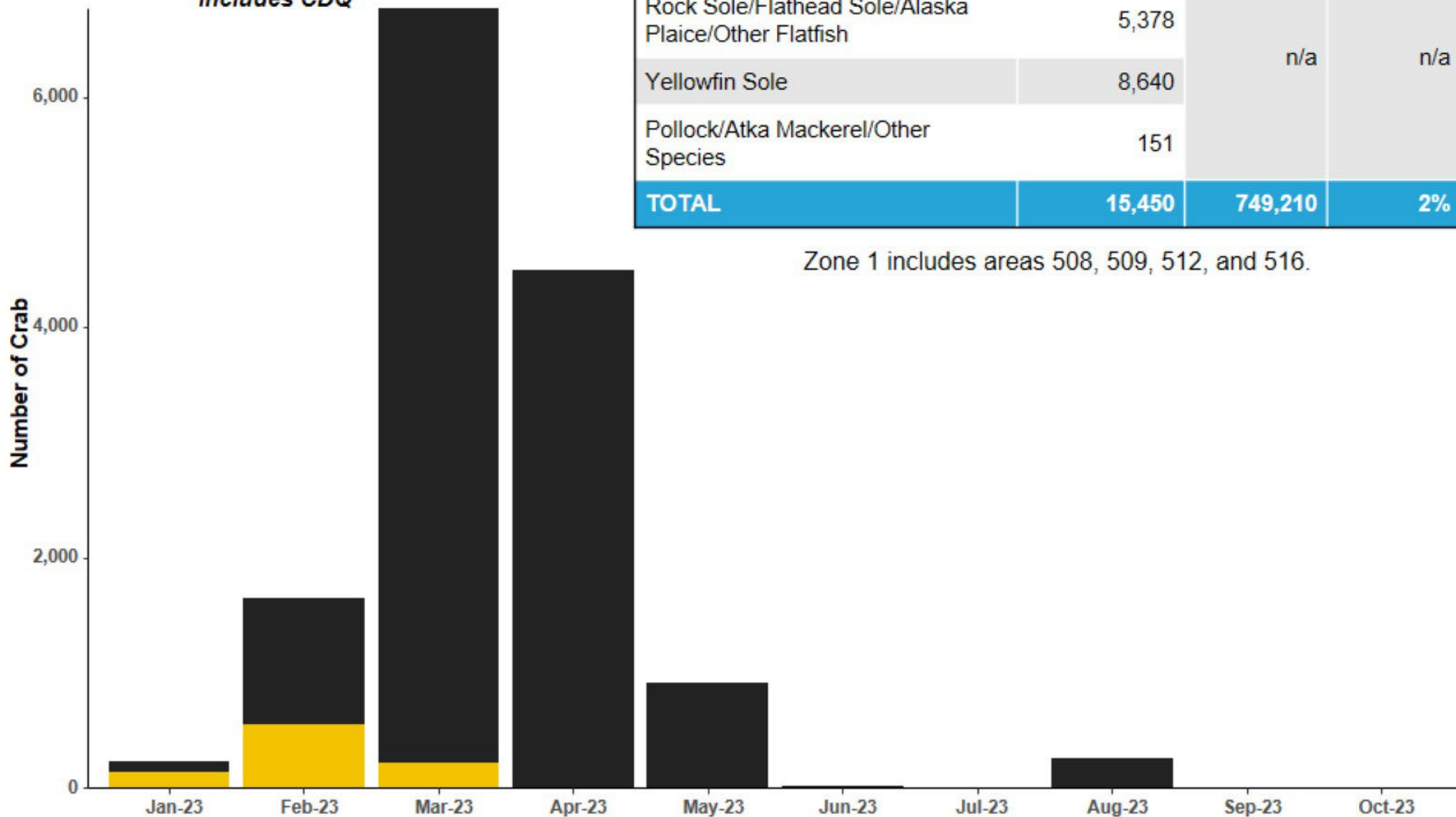
# 2023 Zone 1 Trawl Bairdi Crab Incidental Catch by Target



*Includes CDQ*

Target	Bairdi Crab Catch (#)	Limit (#)	%
Pacific Cod	1,280	n/a	n/a
Rock Sole/Flathead Sole/Alaska Plaice/Other Flatfish	5,378		
Yellowfin Sole	8,640		
Pollock/Atka Mackerel/Other Species	151		
<b>TOTAL</b>	<b>15,450</b>	<b>749,210</b>	<b>2%</b>

Zone 1 includes areas 508, 509, 512, and 516.



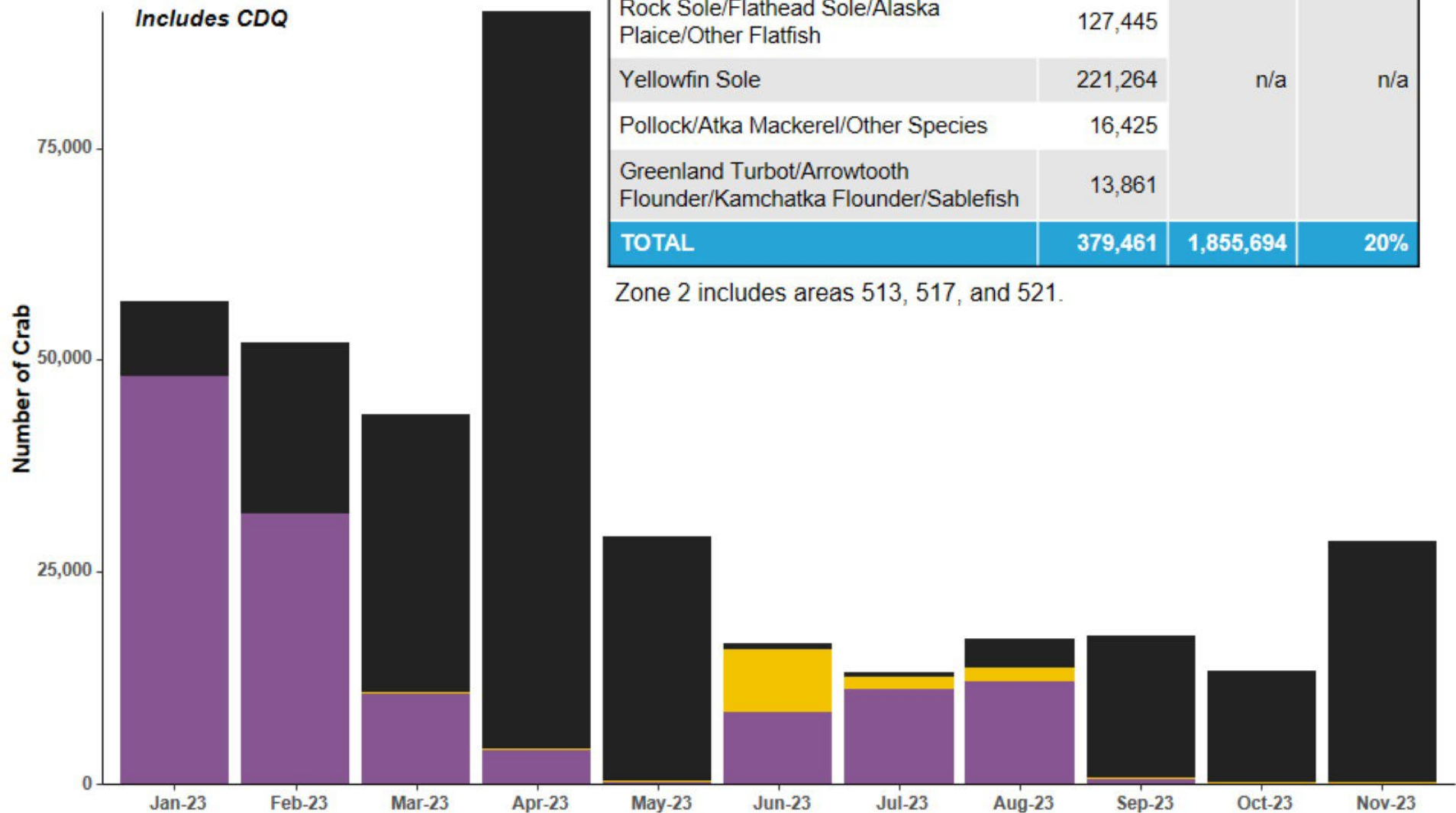
# 2023 Zone 2 Trawl Bairdi Crab Incidental Catch by Target



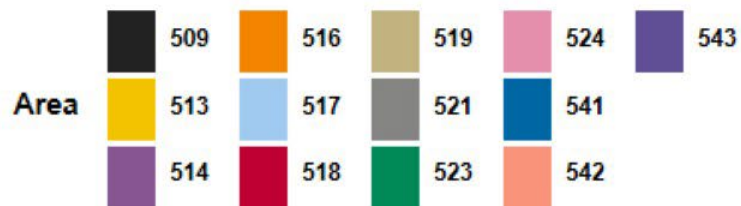
*Includes CDQ*

Target	Bairdi Crab Catch (#)	Limit (#)	%
Pacific Cod	465	n/a	n/a
Rock Sole/Flathead Sole/Alaska Plaice/Other Flatfish	127,445		
Yellowfin Sole	221,264		
Pollock/Atka Mackerel/Other Species	16,425		
Greenland Turbot/Arrowtooth Flounder/Kamchatka Flounder/Sablefish	13,861		
<b>TOTAL</b>	<b>379,461</b>		

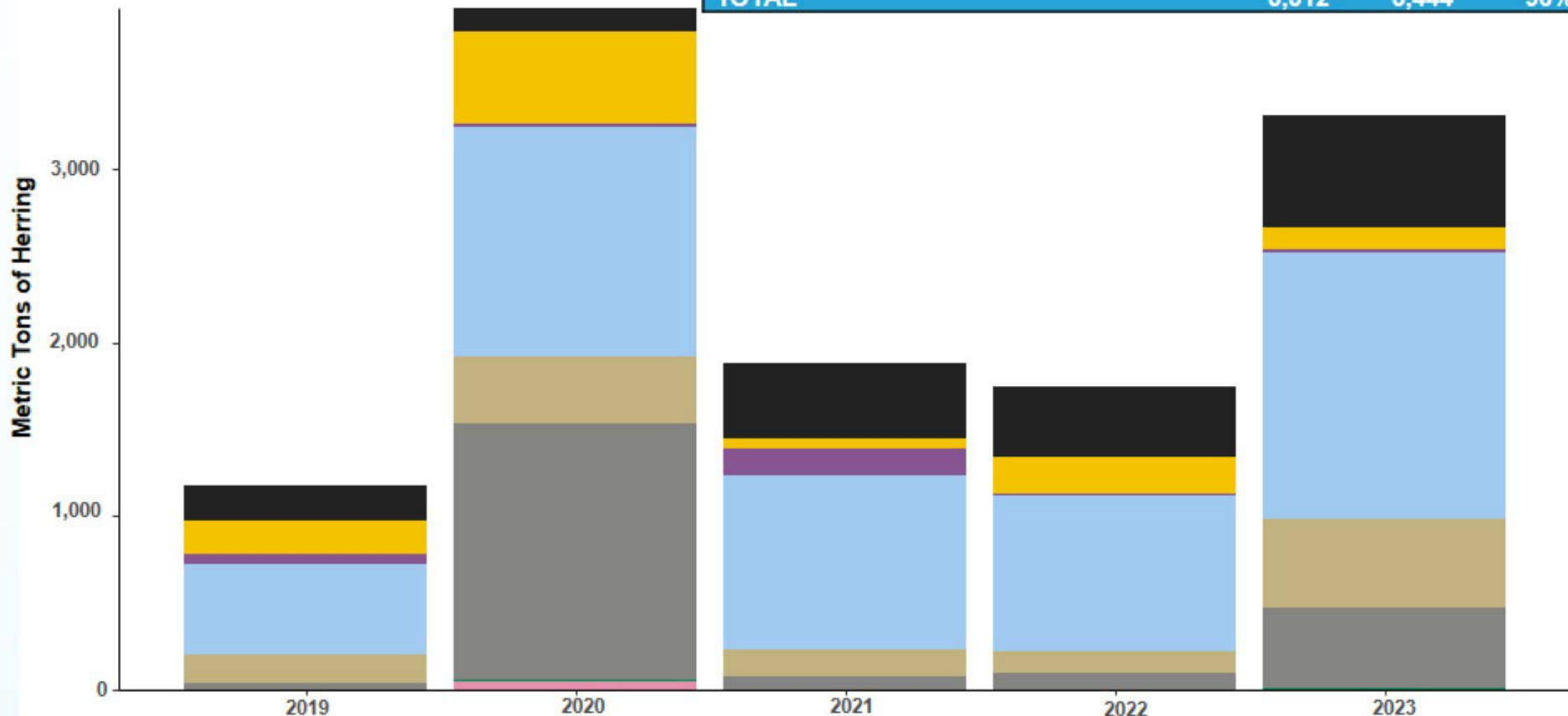
Zone 2 includes areas 513, 517, and 521.



# 2019-2023 BSAI Trawl Herring Incidental Catch

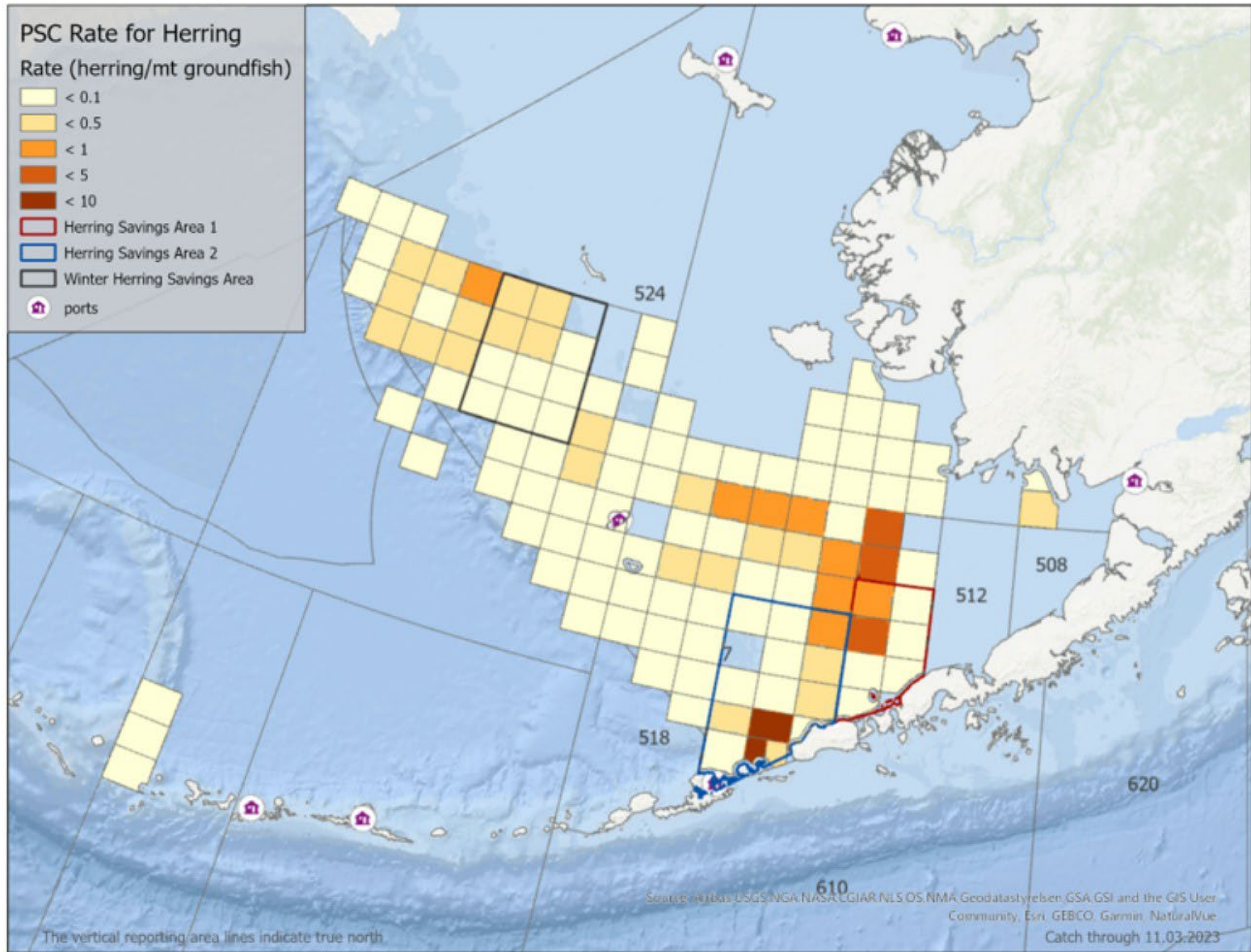


Target	Herring Catch (mt)	Limit (mt)	%
Pacific Cod	1	18	5%
Pollock (Pelagic Trawl Gear)	3,059	3,066	100%
Pollock/Atka Mackerel/Other Species	28	41	68%
Rock Sole/Flathead Sole/Alaska Plaice/Other Flatfish	135	99	136%
Rockfish	2	10	21%
Greenland Turbot/Arrowtooth	0	10	5%
Flounder/Kamchatka Flounder/Sablefish	86	200	43%
<b>TOTAL</b>	<b>3,312</b>	<b>3,444</b>	<b>96%</b>





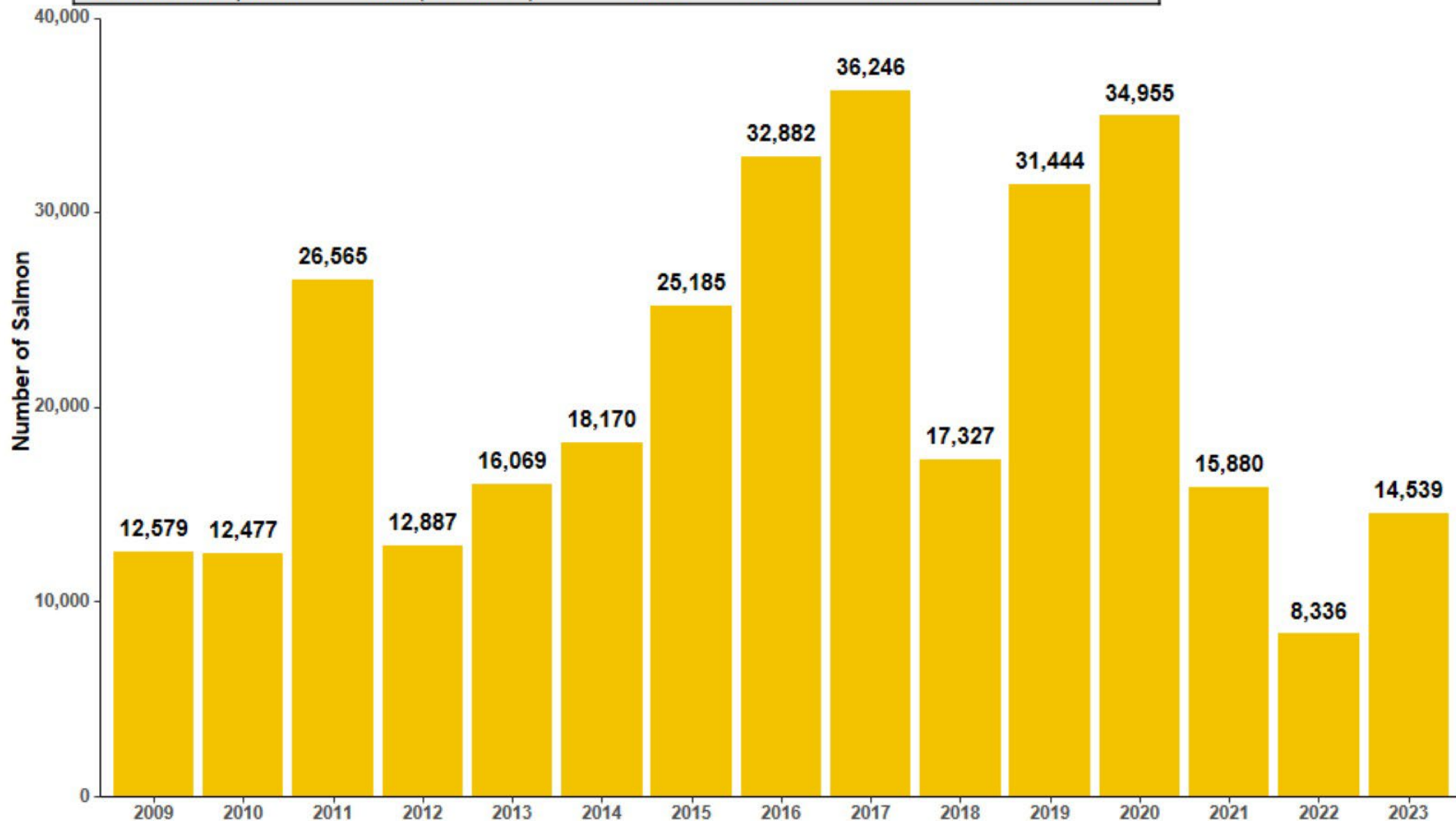
# 2023 Herring Incidental Catch



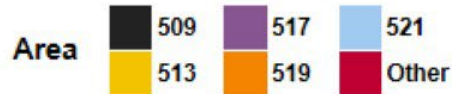
# BSAI Trawl Chinook Salmon Incidental Catch

Chinook Salmon		2019	2020	2021	2022	2023
Chinook - Pollock	(#)	24,985	32,312	13,784	6,337	11,855
Chinook - Pollock	Rate (salmon/mt)	0.018	0.024	0.01	0.006	0.009
Chinook - Non-pollock	(#)	6,459	2,644	2,096	1,999	2,684
Chinook - Non-pollock	Rate (salmon/mt)	0.016	0.006	0.006	0.005	0.007

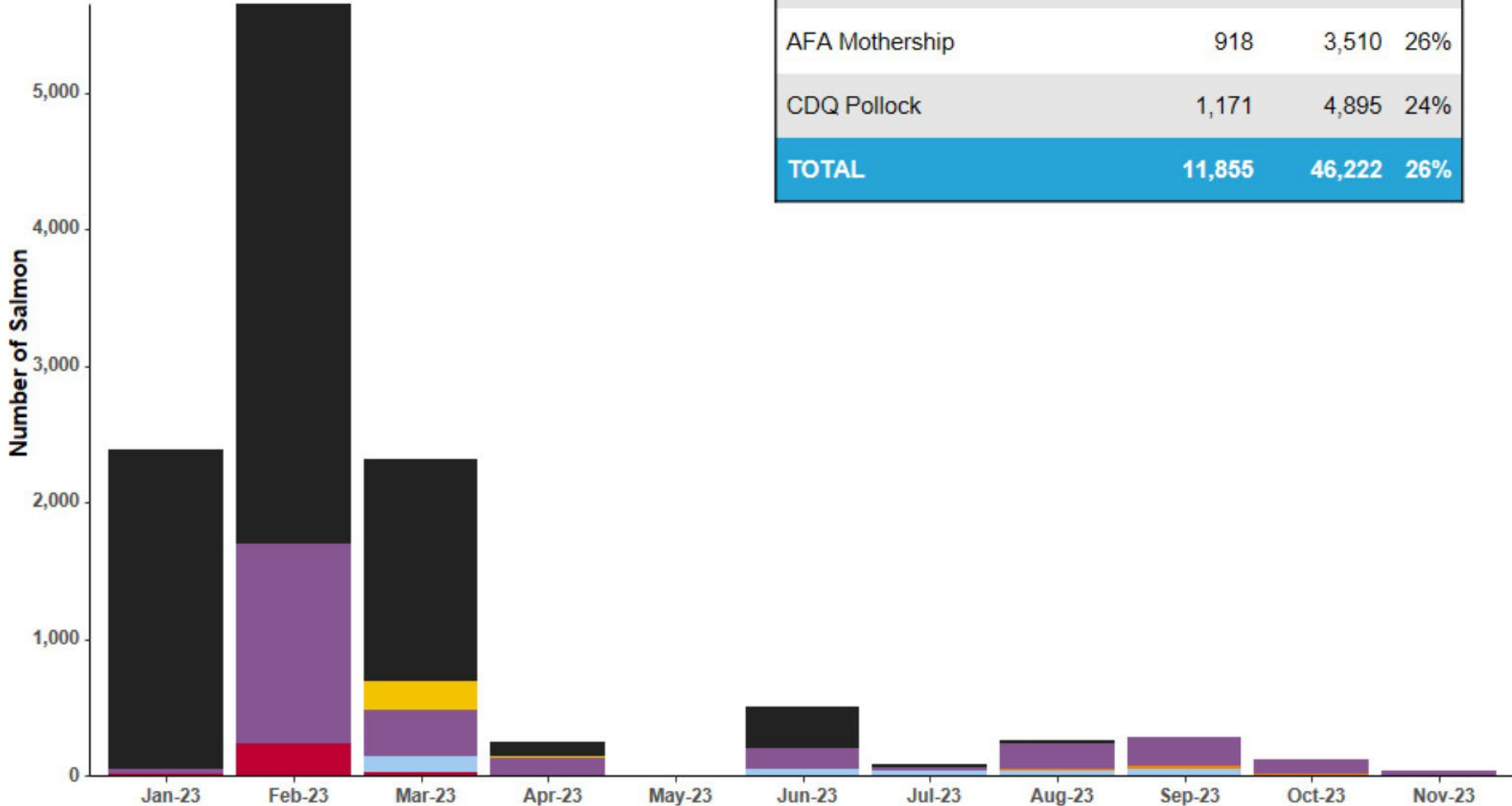
■ Chinook Salmon



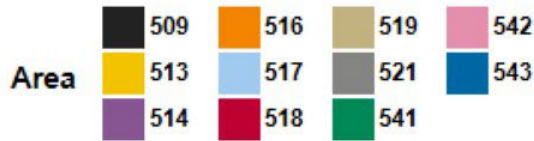
# 2023 BSAI Pollock Fishery Chinook Salmon Incidental Catch



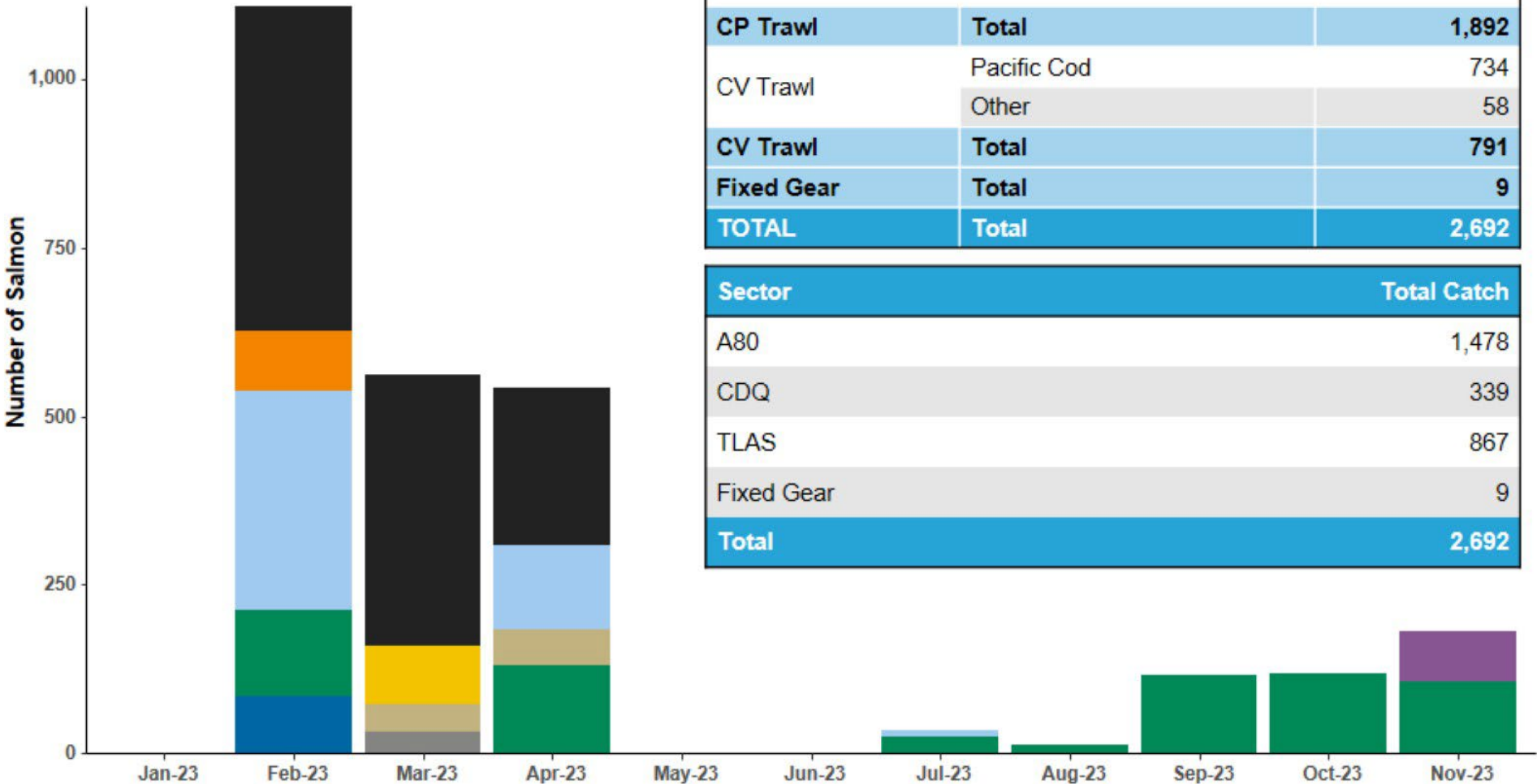
Chinook Salmon	Total Catch (#)	Limit (#)	%
AFA Inshore	5,241	25,037	21%
AFA Catcher/Processor	4,525	12,780	35%
AFA Mothership	918	3,510	26%
CDQ Pollock	1,171	4,895	24%
<b>TOTAL</b>	<b>11,855</b>	<b>46,222</b>	<b>26%</b>



# 2023 Non-Pollock Fishery Chinook Salmon Incidental Catch by Fishery and Sector 60



*Includes CDQ*



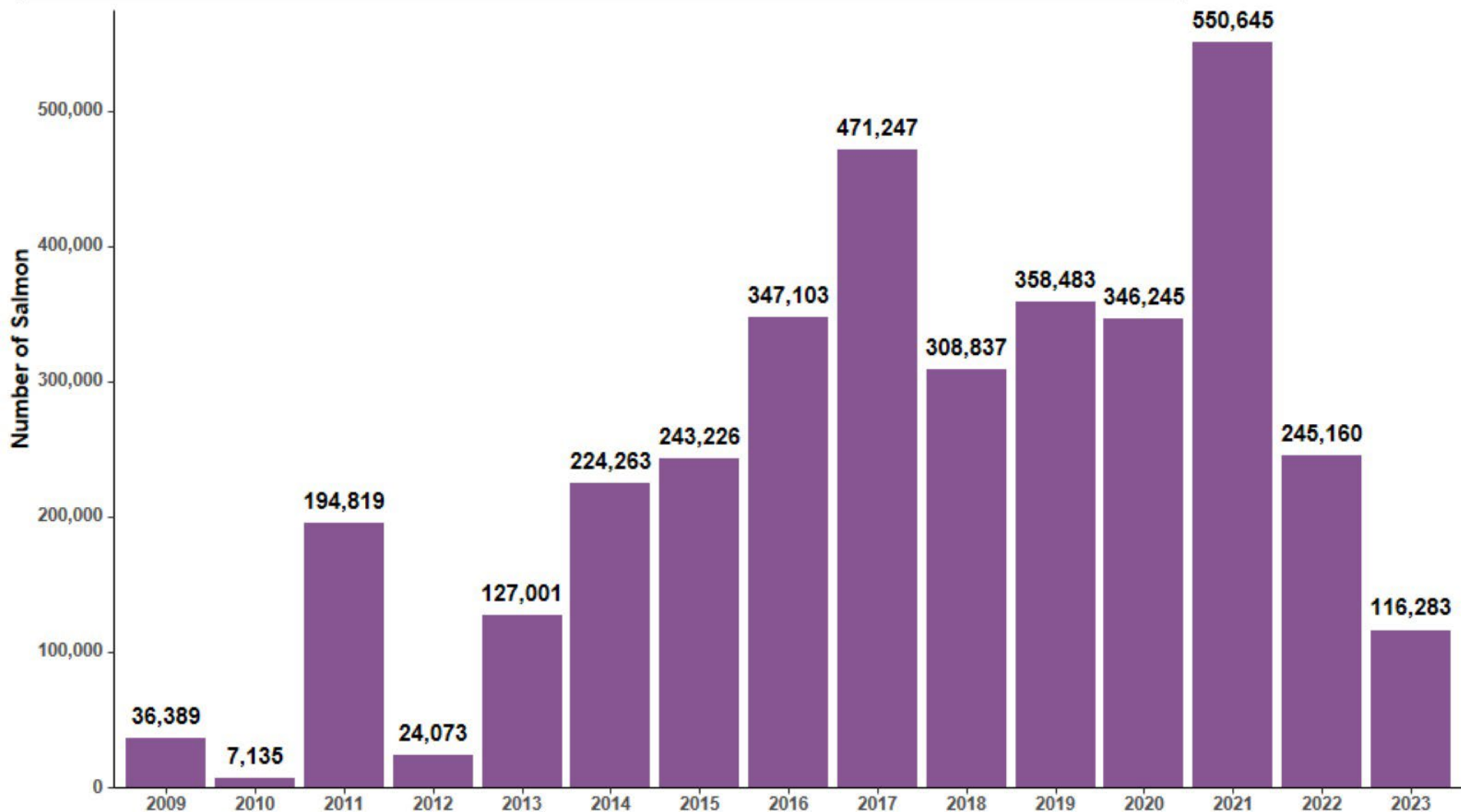
Chinook Salmon		Total Catch
CP Trawl	Atka Mackerel / Rockfish	695
	Pacific Cod	523
	Flatfish	674
<b>CP Trawl</b>	<b>Total</b>	<b>1,892</b>
CV Trawl	Pacific Cod	734
	Other	58
<b>CV Trawl</b>	<b>Total</b>	<b>791</b>
<b>Fixed Gear</b>	<b>Total</b>	<b>9</b>
<b>TOTAL</b>	<b>Total</b>	<b>2,692</b>

Sector	Total Catch
A80	1,478
CDQ	339
TLAS	867
Fixed Gear	9
<b>Total</b>	<b>2,692</b>

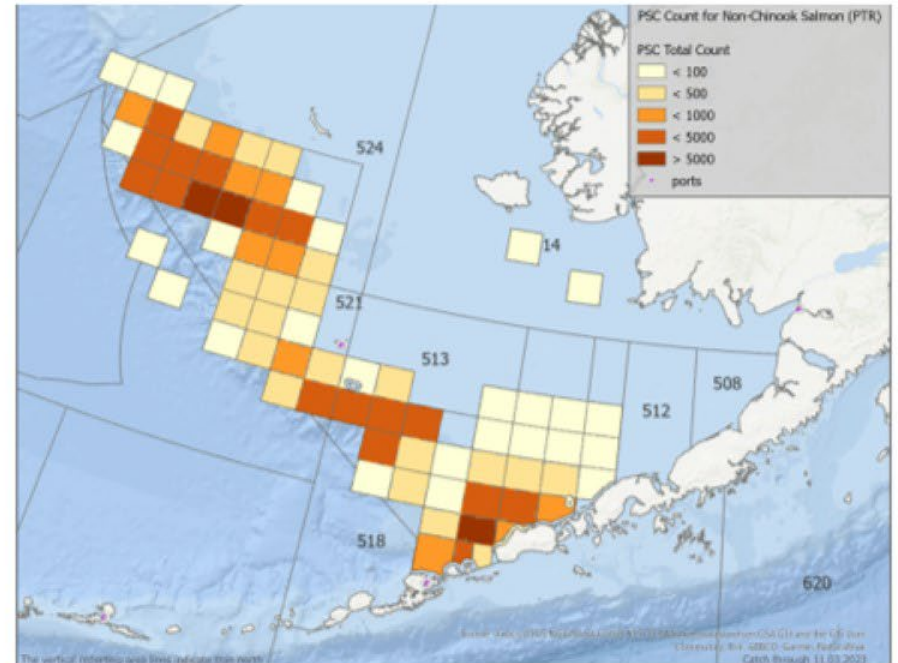
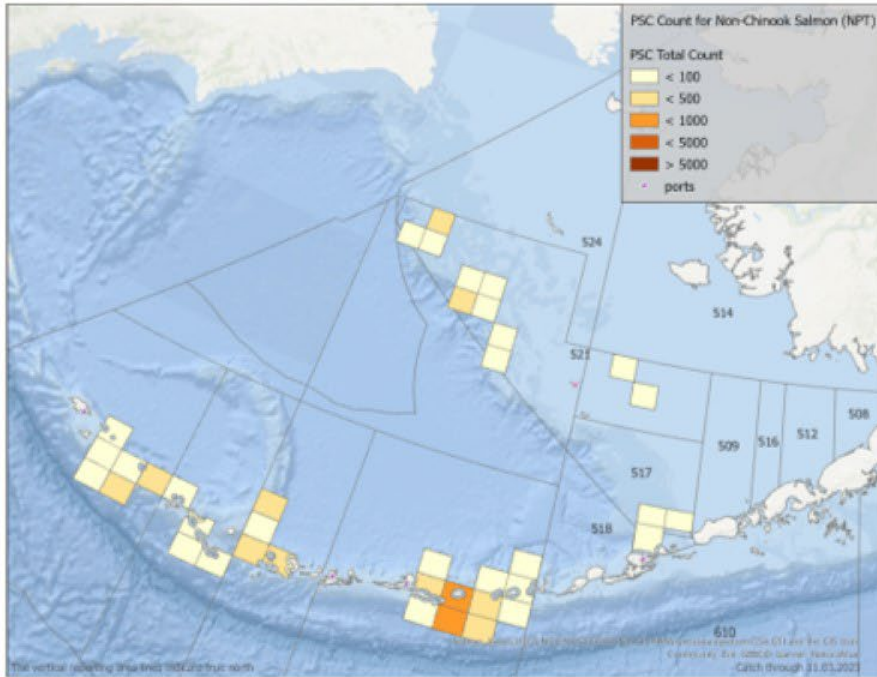
# 2023 BSAI Trawl Non-Chinook Salmon Incidental Catch

Non-Chinook Salmon		2019	2020	2021	2022	2023
Non-Chinook - Pollock	(#)	348,023	343,836	546,042	242,375	112,302
Non-Chinook - Pollock	Rate (salmon/mt)	0.251	0.256	0.403	0.227	0.089
Non-Chinook - Non-pollock	(#)	10,460	2,410	4,603	2,785	3,981
Non-Chinook - Non-pollock	Rate (salmon/mt)	0.026	0.006	0.013	0.007	0.01

■ Non-Chinook Salmon

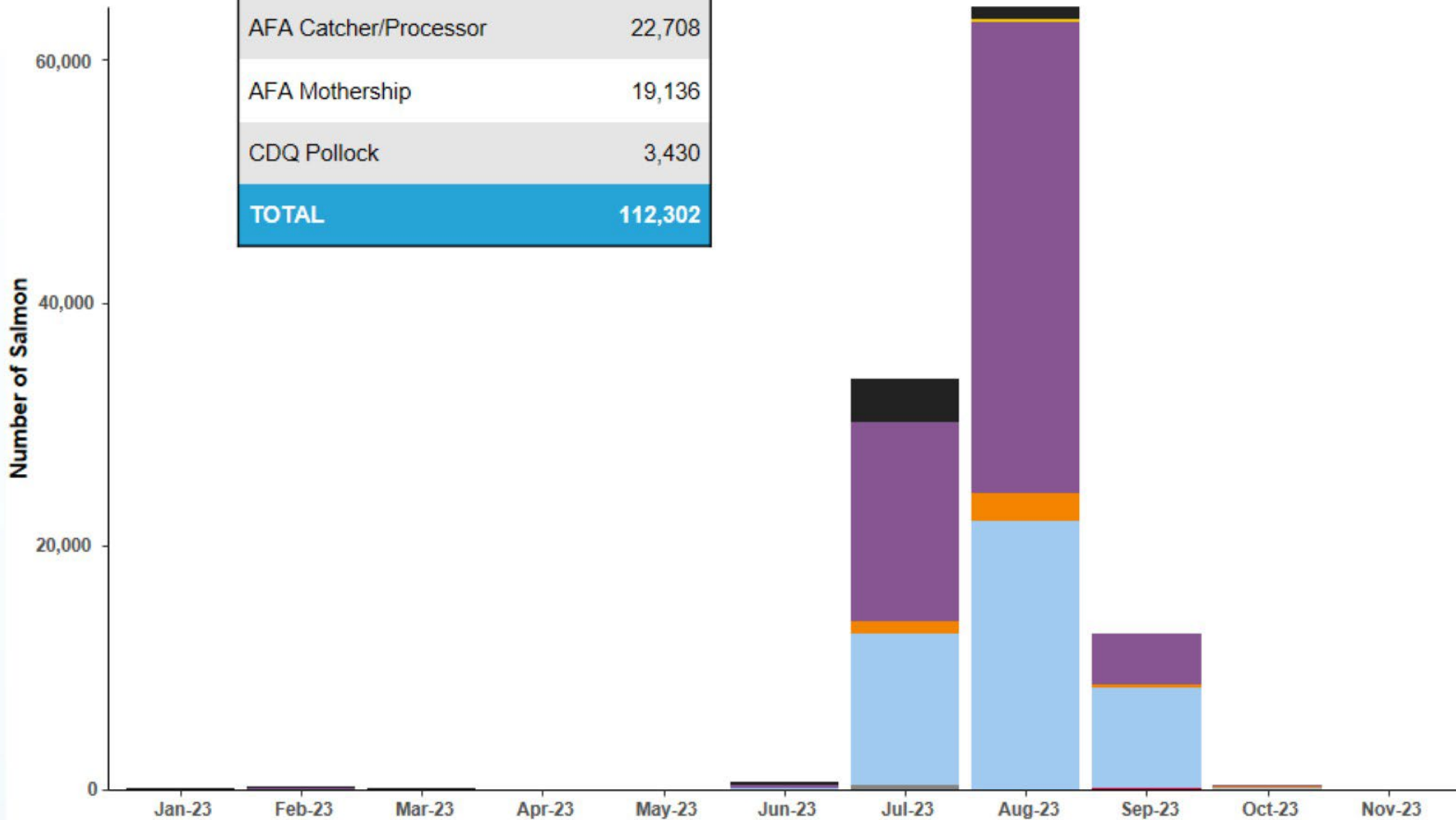
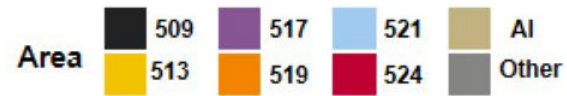


# 2023 Trawl Non-Chinook Salmon Incidental Catch



# 2023 BSAI Pollock Fishery Non-Chinook Salmon Incidental Catch <sup>63</sup>

Non-Chinook Salmon	Total Catch (#)
AFA Inshore	67,028
AFA Catcher/Processor	22,708
AFA Mothership	19,136
CDQ Pollock	3,430
<b>TOTAL</b>	<b>112,302</b>



# 2023 BSAI Non-Pollock Non-Chinook Salmon Incidental Catch by Fishery and Sector <sup>64</sup>

Sector	Total Catch
A80	2,850
CDQ	635
TLAS	496
Fixed Gear	69
<b>Total</b>	<b>4,050</b>

Non-Chinook Salmon	Total Catch	
CP Trawl	Atka Mackerel / Rockfish	3,003
	Pacific Cod	0
	Flatfish	431
<b>CP Trawl</b>	<b>Total</b>	<b>3,434</b>
CV Trawl	Pacific Cod	0
	Other	547
<b>CV Trawl</b>	<b>Total</b>	<b>547</b>
<b>Fixed Gear</b>	<b>Total</b>	<b>69</b>
<b>TOTAL</b>	<b>Total</b>	<b>4,050</b>

