



**NOAA  
FISHERIES**

**Alaska Region**

# **BSAI Inseason Management Report**

**December 2022**

Catch data are through November 15, 2022

Management reports can be found at:

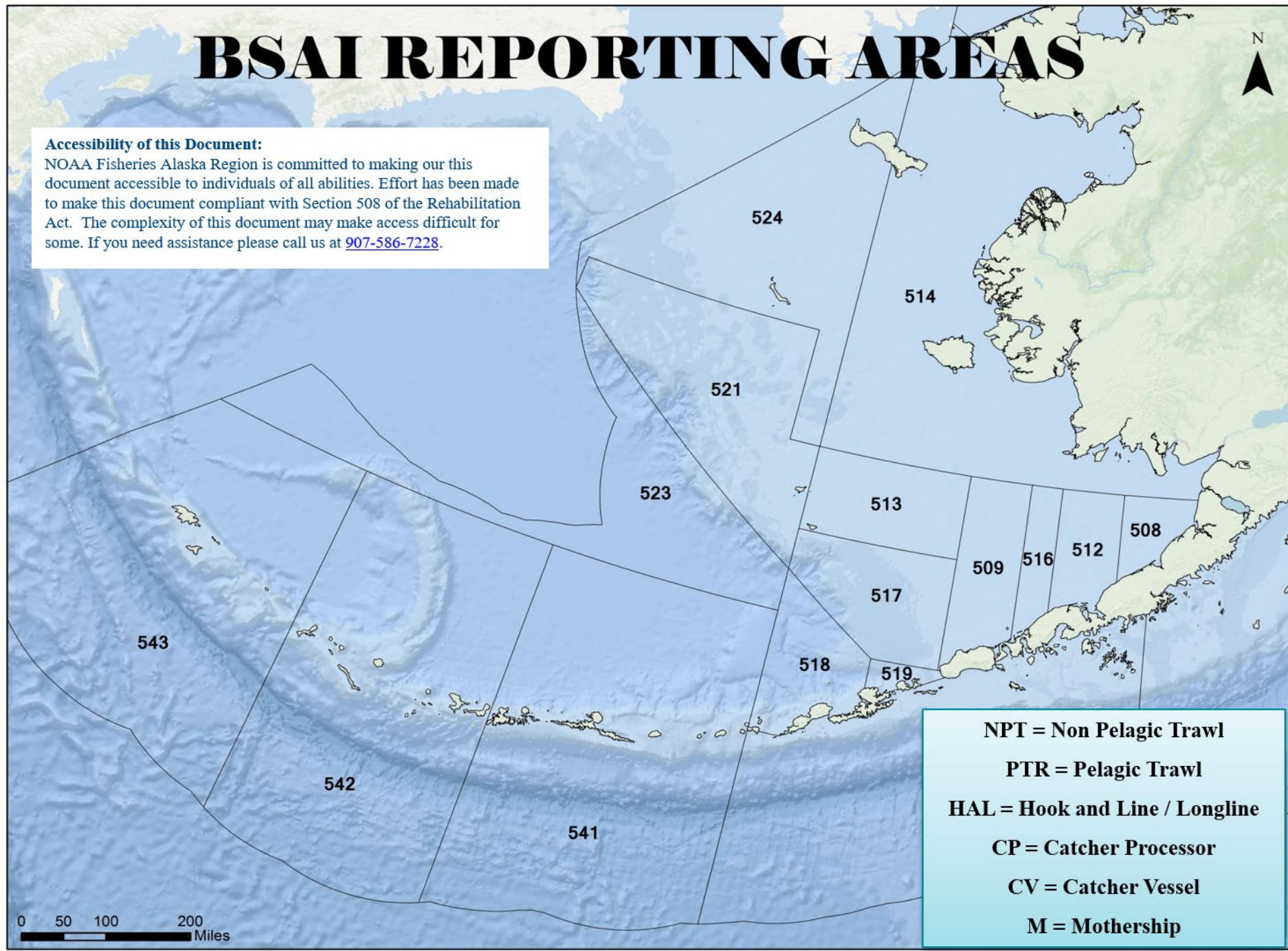
<https://www.fisheries.noaa.gov/resource/document/alaska-inseason-management-annual-reports-north-pacific-fishery-management>

# BSAI REPORTING AREAS



## Accessibility of this Document:

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**NPT = Non Pelagic Trawl**

**PTR = Pelagic Trawl**

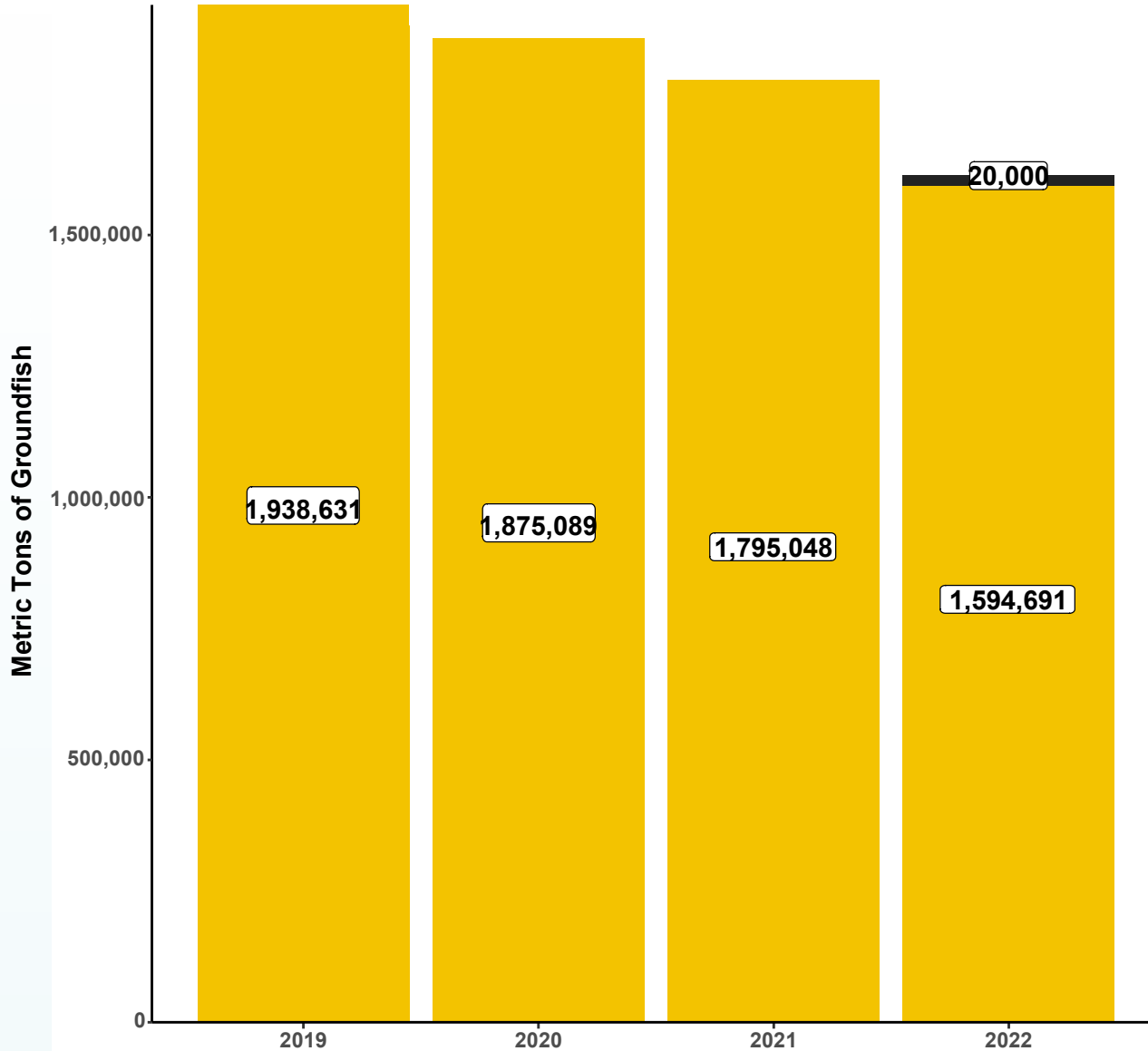
**HAL = Hook and Line / Longline**

**CP = Catcher Processor**

**CV = Catcher Vessel**

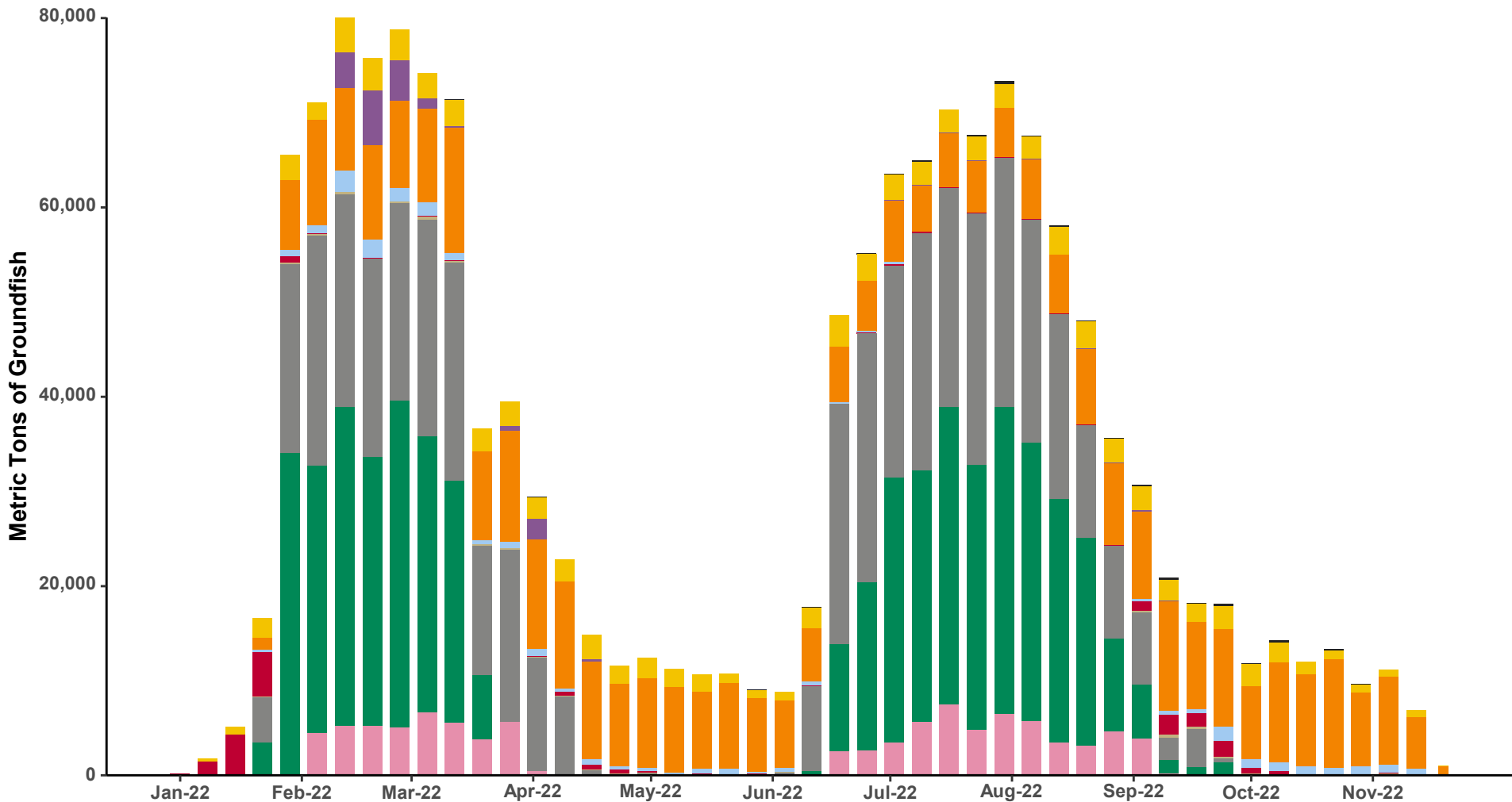
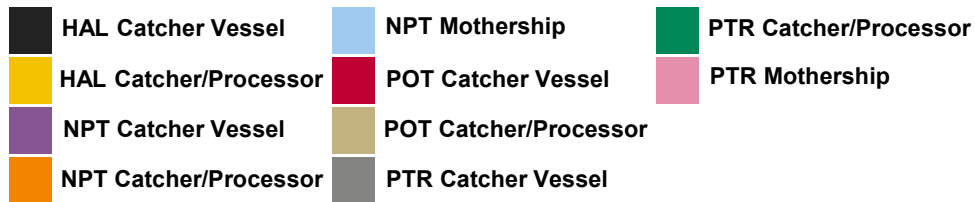
**M = Mothership**

# 2019-2022 BSAI Total Catch

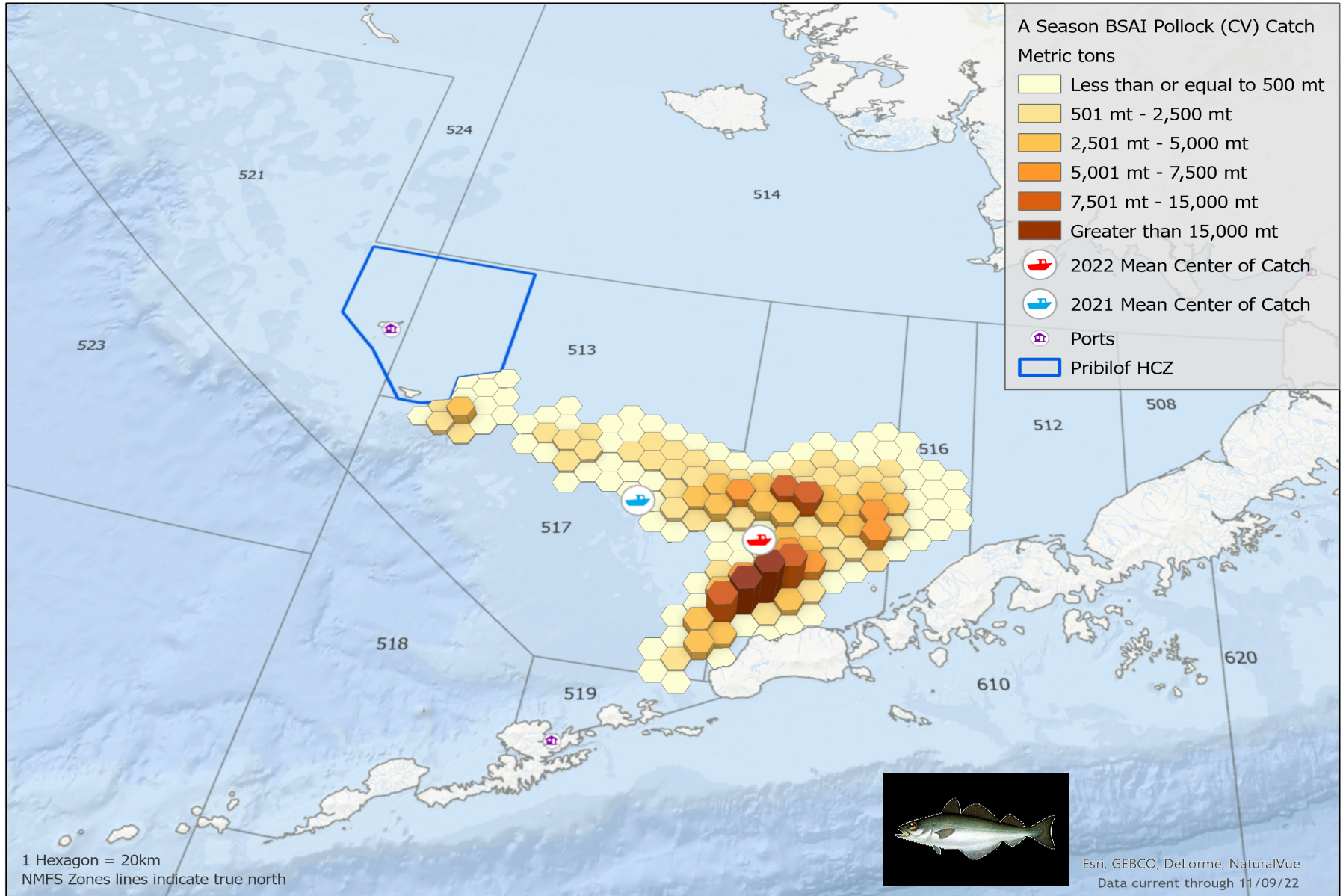


<b>2019 TAC</b>		<b>2,000,000</b>
Total Catch		1,938,631
Remaining TAC		61,369
<b>2020 TAC</b>		<b>2,000,000</b>
Total Catch		1,875,089
Remaining TAC		124,911
<b>2021 TAC</b>		<b>2,000,000</b>
Total Catch		1,795,048
Remaining TAC		204,952
<b>2022 TAC</b>		<b>1,871,000</b>
Total Catch		1,594,691
Projected Catch		20,000
Total Catch with Projected Catch		1,614,691
Remaining TAC		247,461

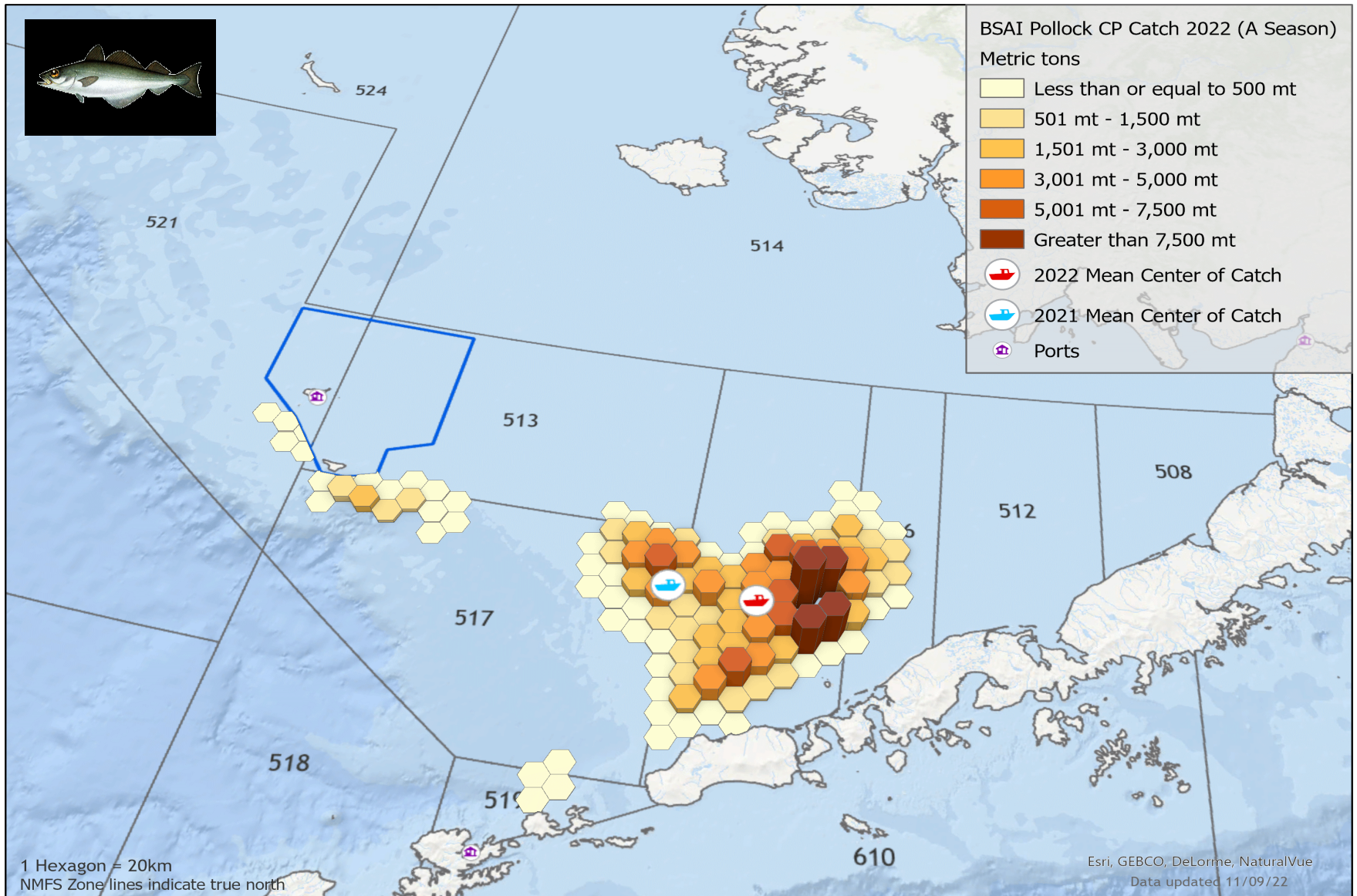
# 2022 BSAI Total Groundfish Catch by Gear & Sector



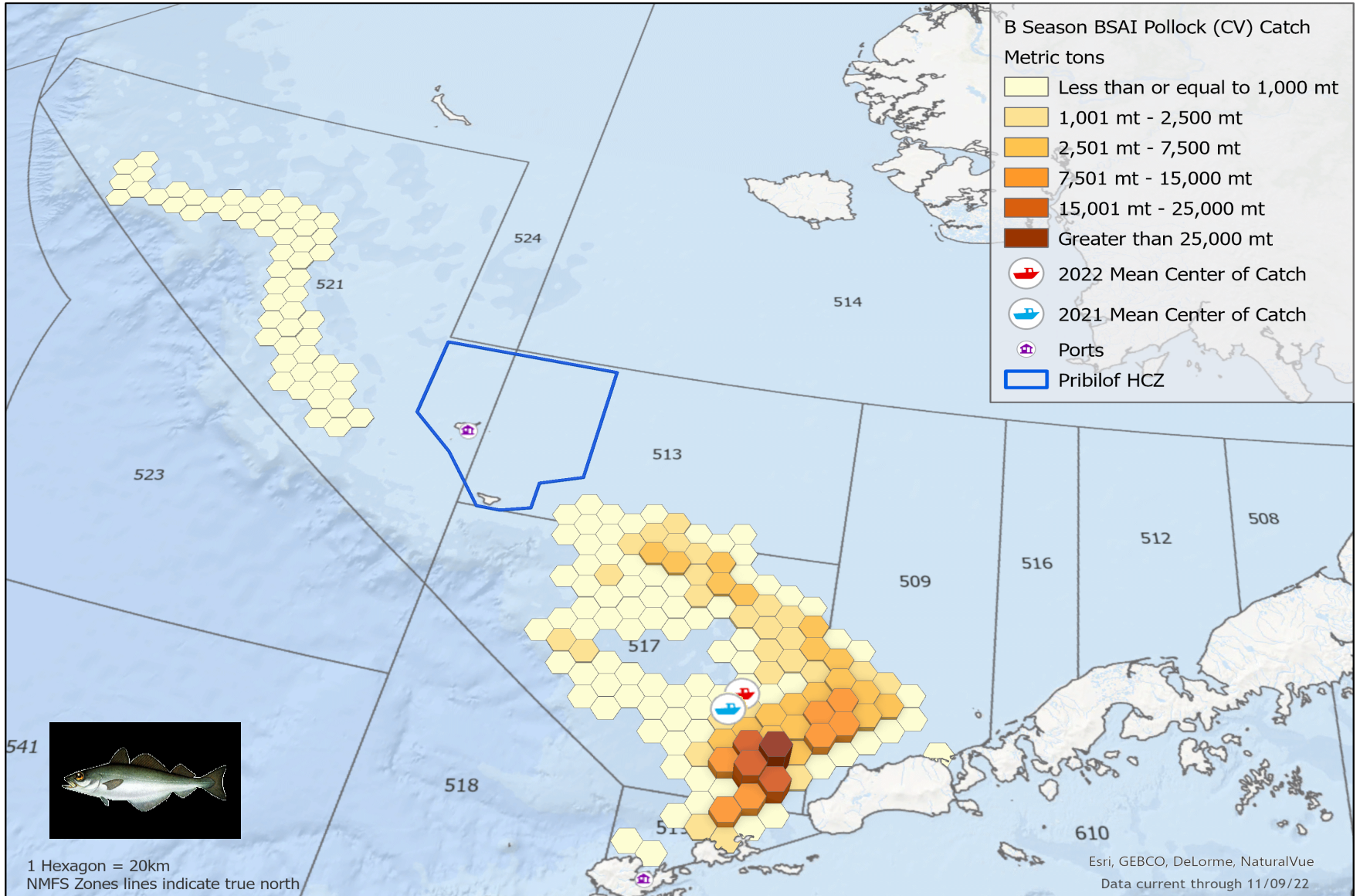
# 2022 A Season Bering Sea Pollock Directed Fishery (CV)



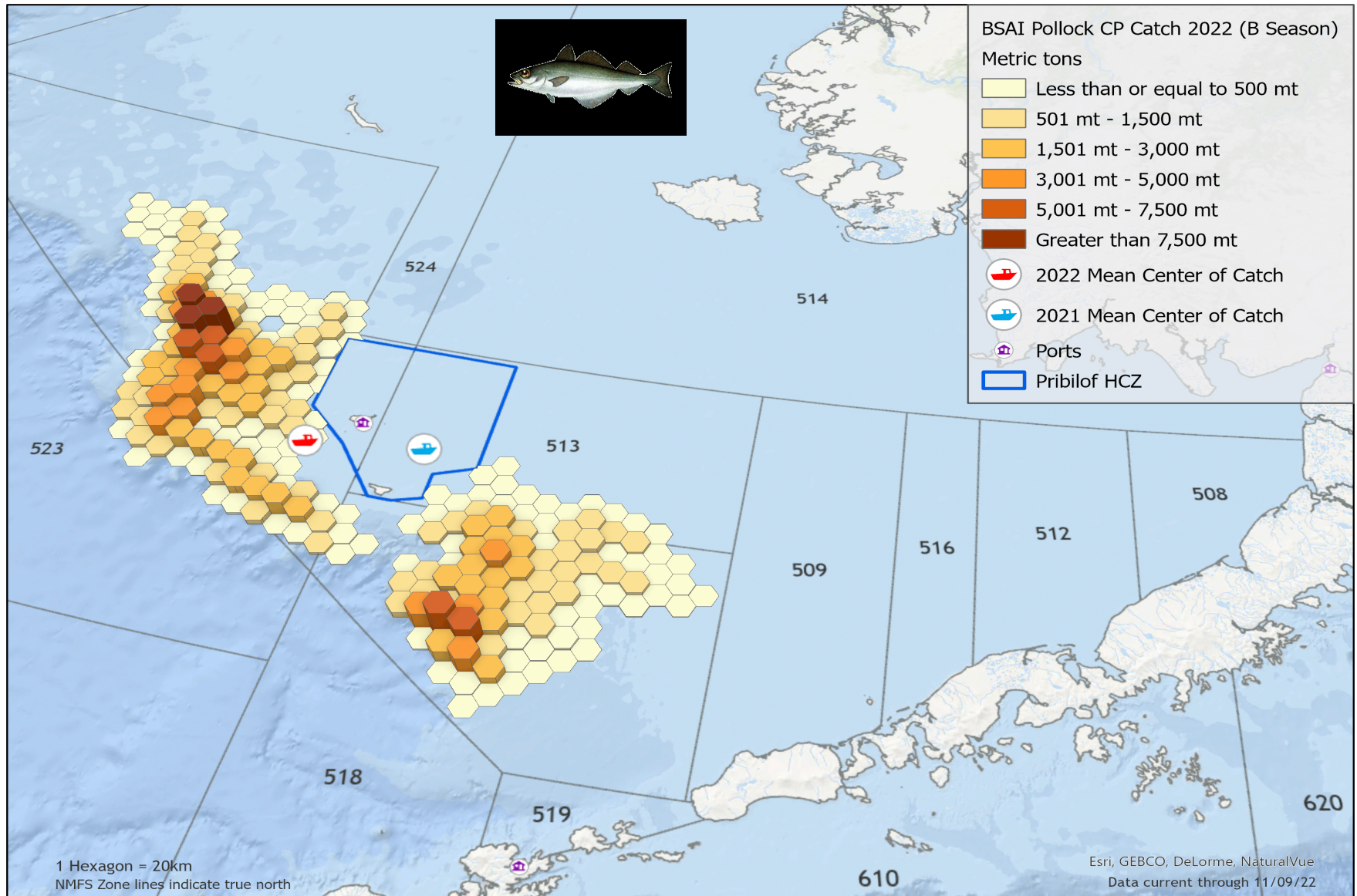
# 2022 A Season Bering Sea Pollock Directed Fishery (CP)



# 2022 B Season Bering Sea Pollock Directed Fishery (CV)



# 2022 B Season Bering Sea Pollock Directed Fishery (CP)

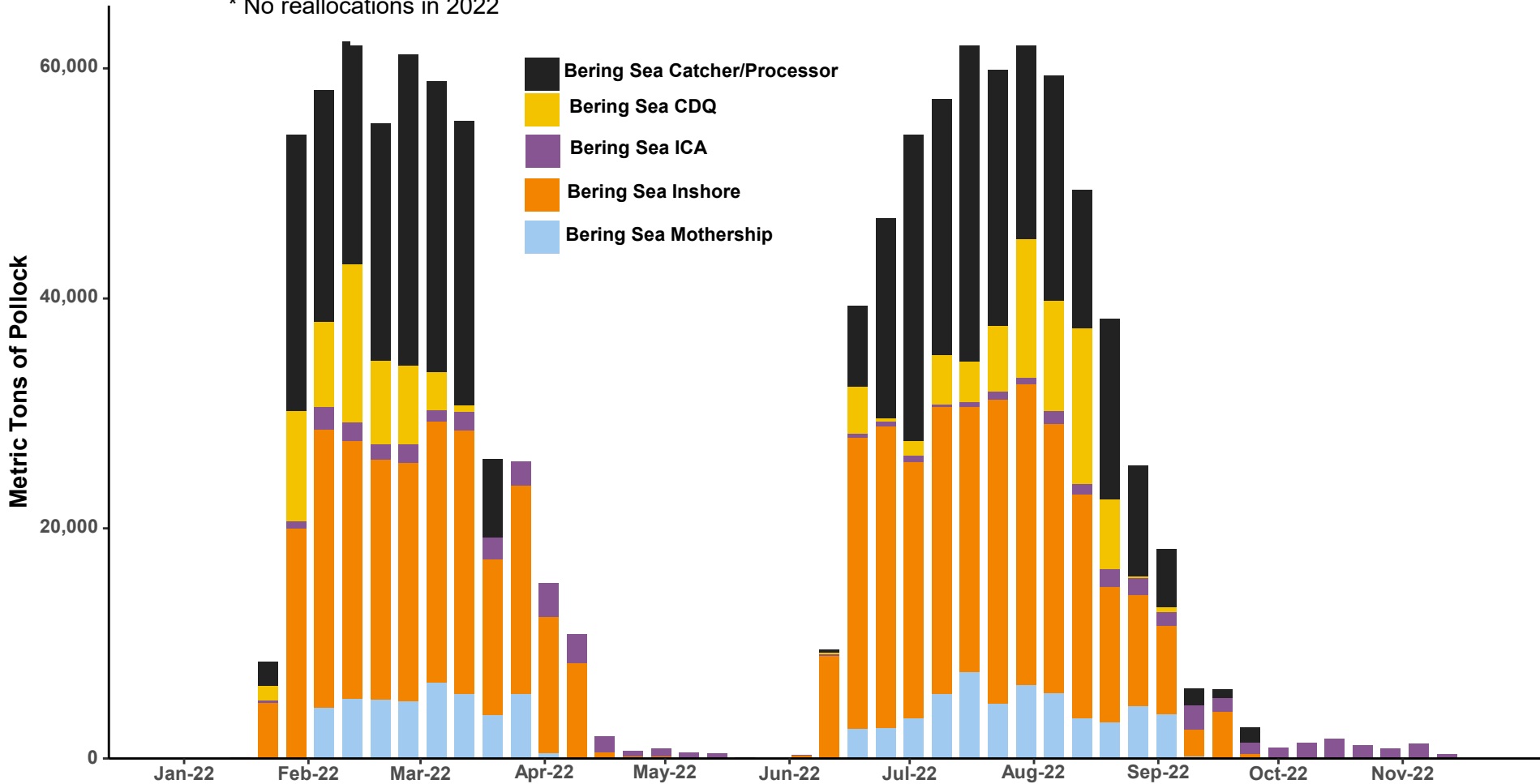




# 2022 Bering Sea Pollock Catch by Week and Sector

2022	TAC (mt)	Catch (mt)	%
Inshore	475,200	473,491	100%
Catcher/Processor	380,160	380,089	100%
Mothership	95,040	95,008	100%
CDQ	111,100	111,033	100%
Incidental Catch	49,500	44,781	90%
<b>TOTAL</b>	<b>1,111,000</b>	<b>1,104,402</b>	<b>99%</b>

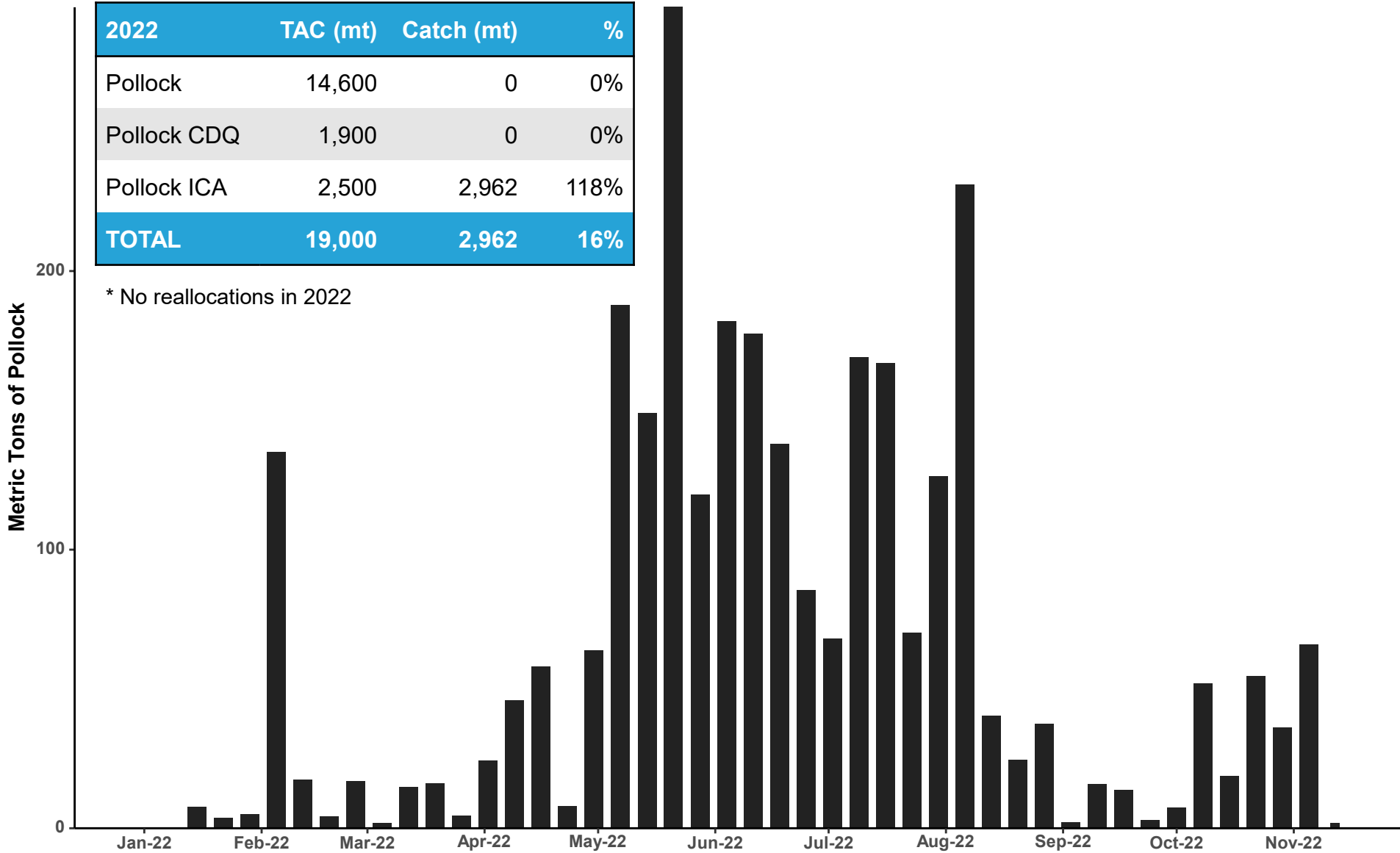
\* No reallocations in 2022



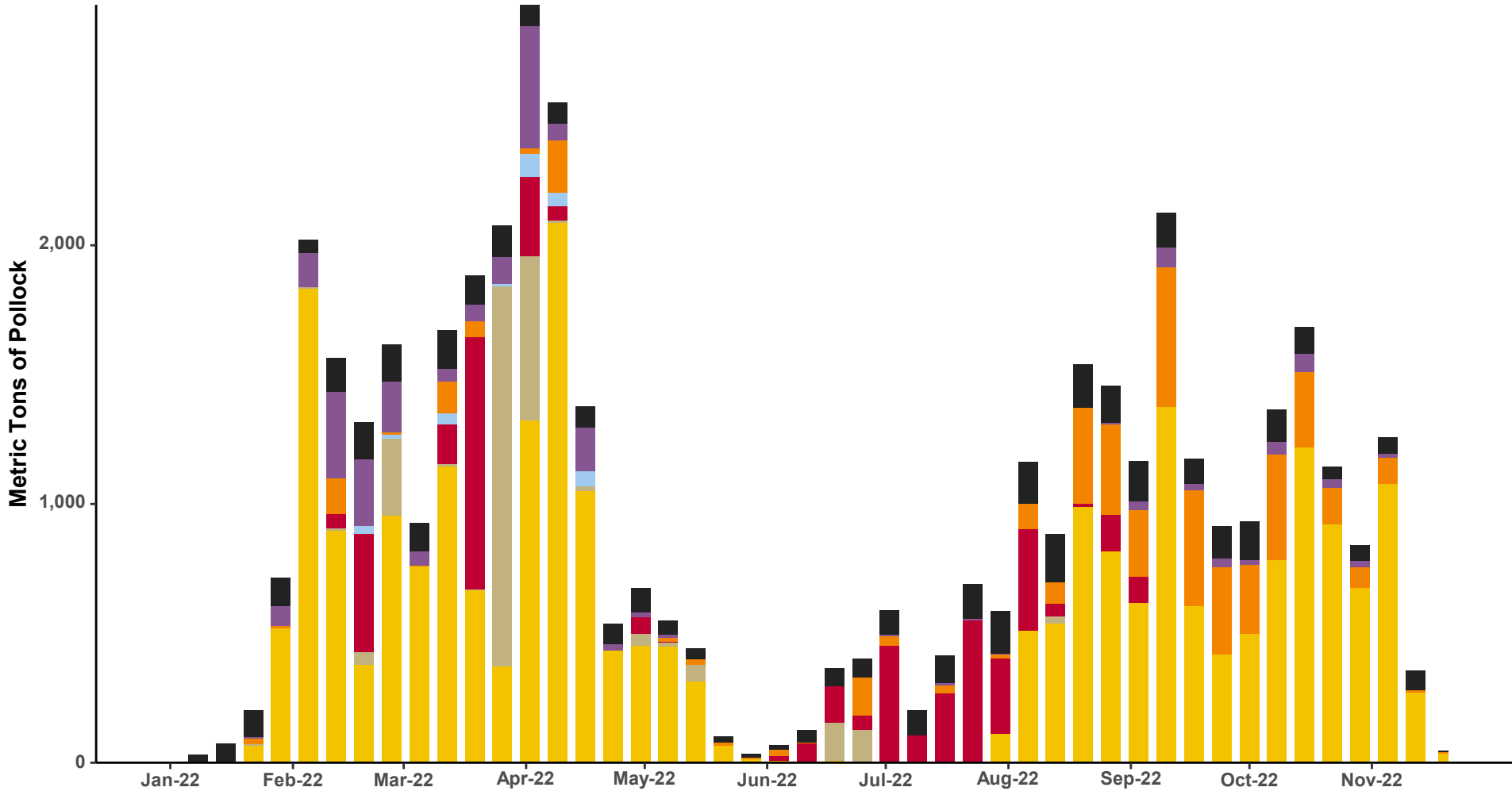
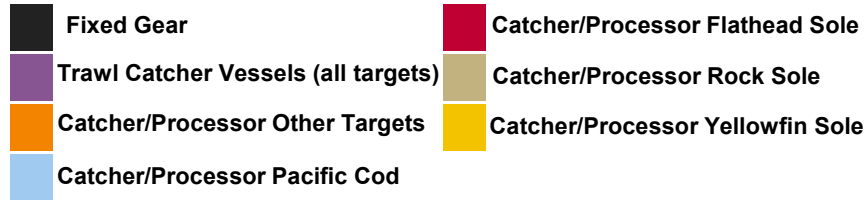
# 2022 Aleutian Islands Pollock Catch by Week and Sector

2022	TAC (mt)	Catch (mt)	%
Pollock	14,600	0	0%
Pollock CDQ	1,900	0	0%
Pollock ICA	2,500	2,962	118%
<b>TOTAL</b>	<b>19,000</b>	<b>2,962</b>	<b>16%</b>

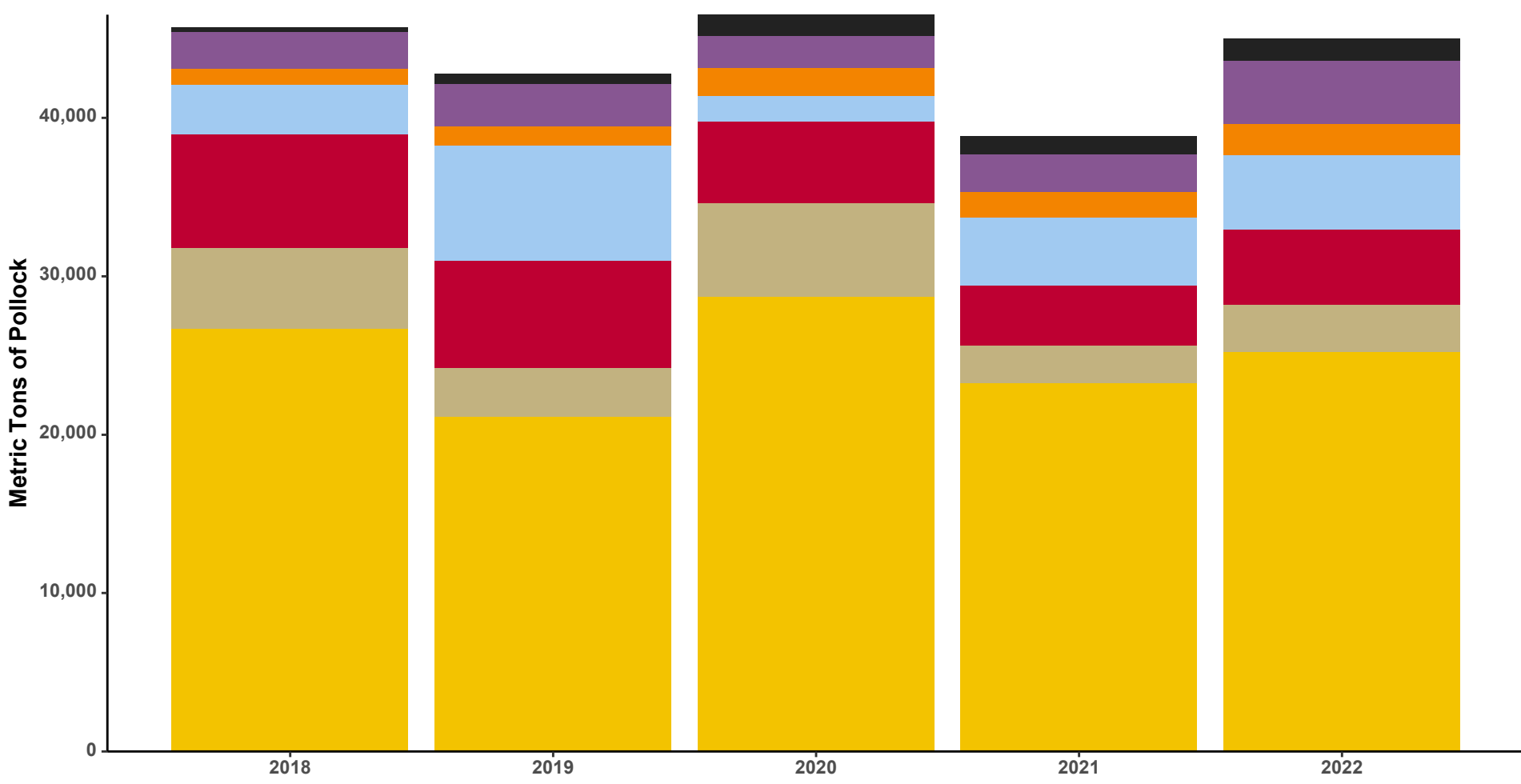
\* No reallocations in 2022



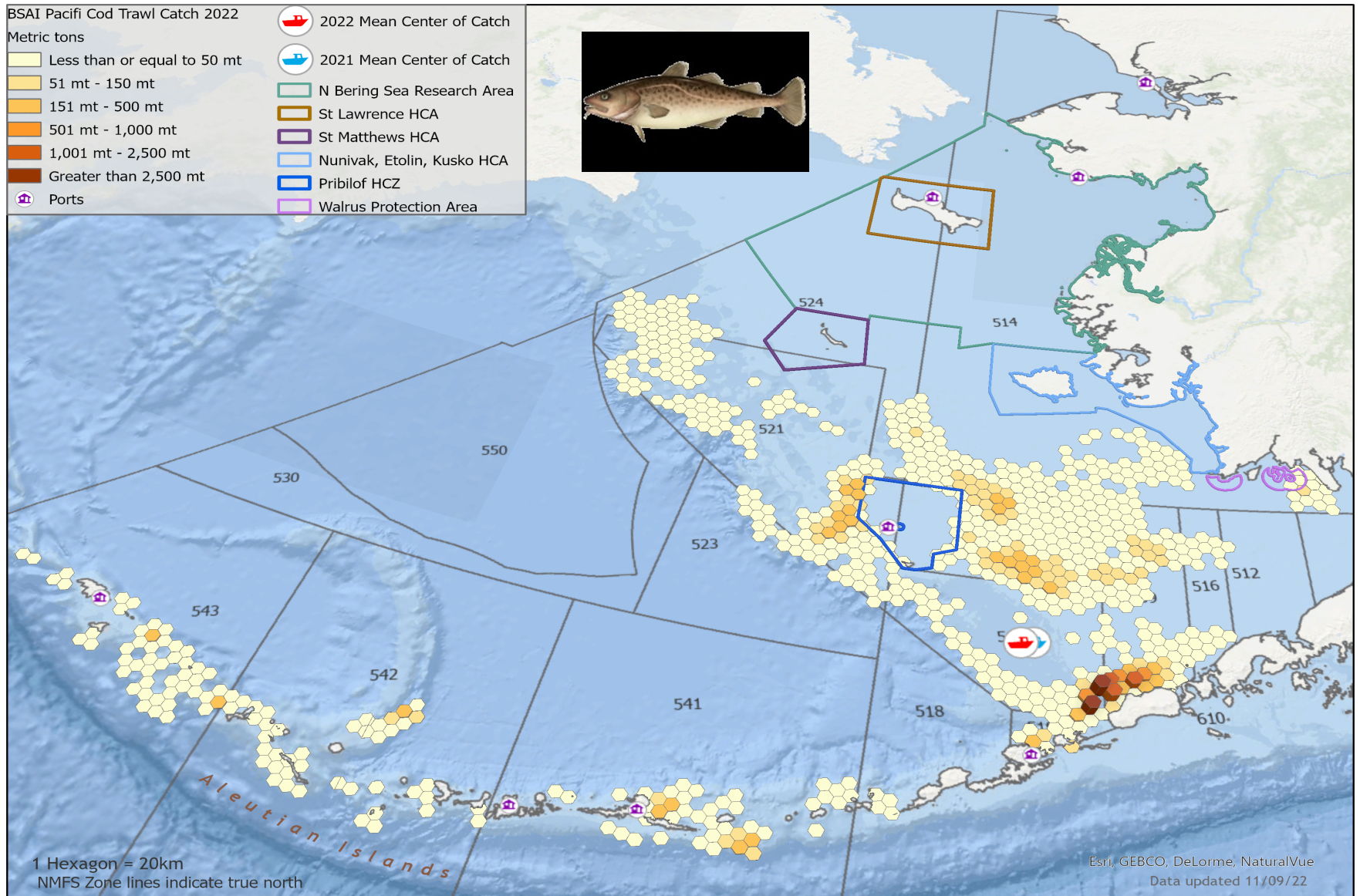
# 2022 Bering Sea Pollock ICA Catch by Week and Sector



# 2018-2022 Trawl Catcher/Processor Incidental Catch of Pollock by Year and Target



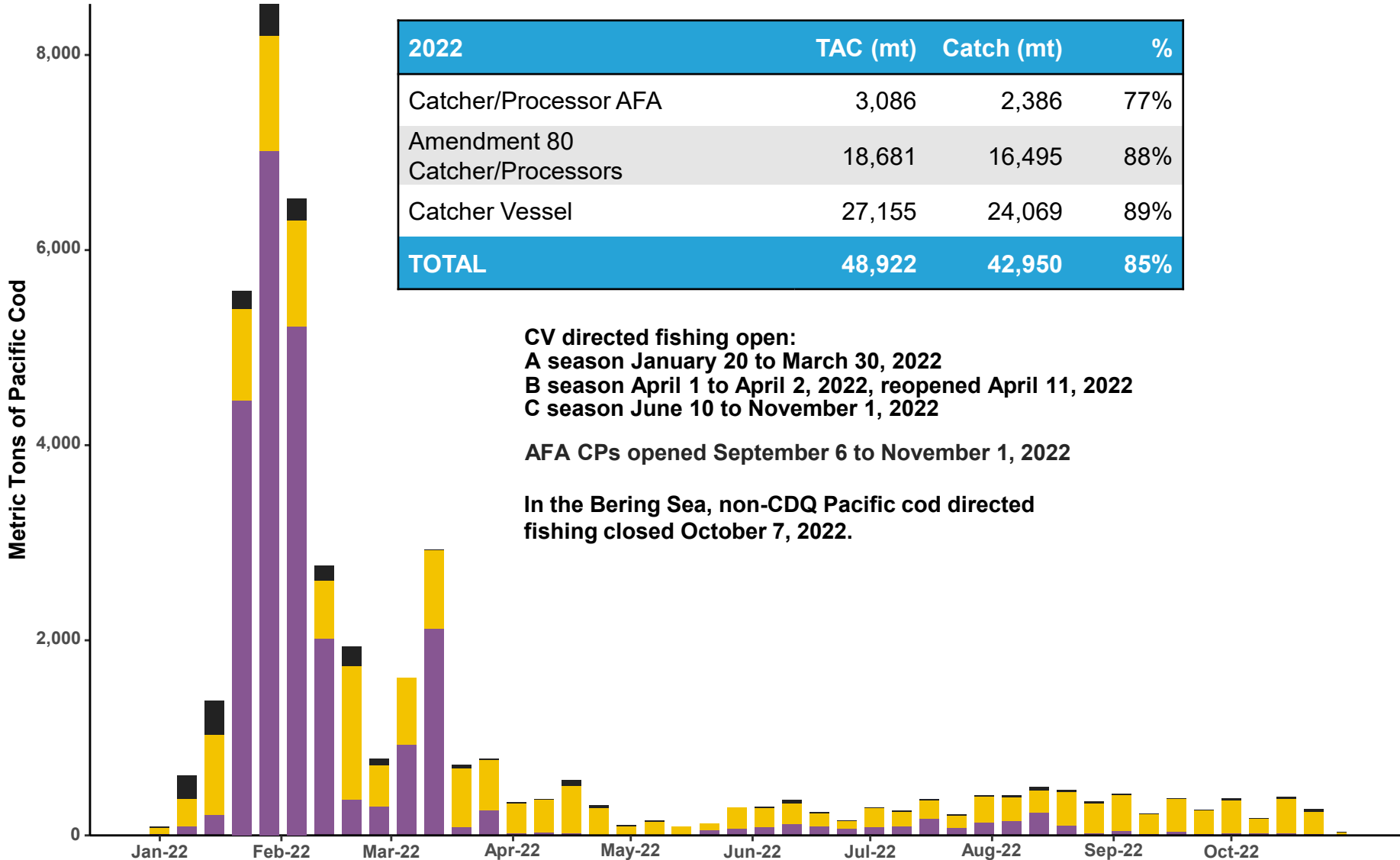
# 2022 Pacific Cod Catch by Trawl Gear



# 2022 BSAI Trawl Pacific Cod Catch

AFA Catcher Processors
  Amendment 80 Catcher Processors
  Catcher Vessels

2022	TAC (mt)	Catch (mt)	%
Catcher/Processor AFA	3,086	2,386	77%
Amendment 80 Catcher/Processors	18,681	16,495	88%
Catcher Vessel	27,155	24,069	89%
<b>TOTAL</b>	<b>48,922</b>	<b>42,950</b>	<b>85%</b>

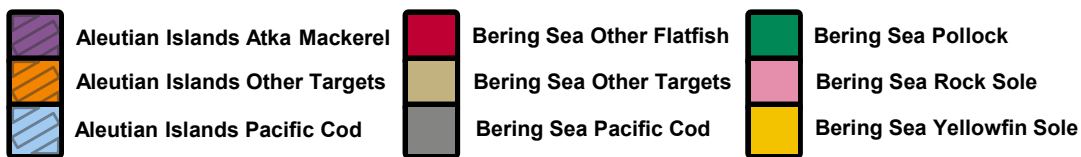


**CV directed fishing open:**  
**A season January 20 to March 30, 2022**  
**B season April 1 to April 2, 2022, reopened April 11, 2022**  
**C season June 10 to November 1, 2022**

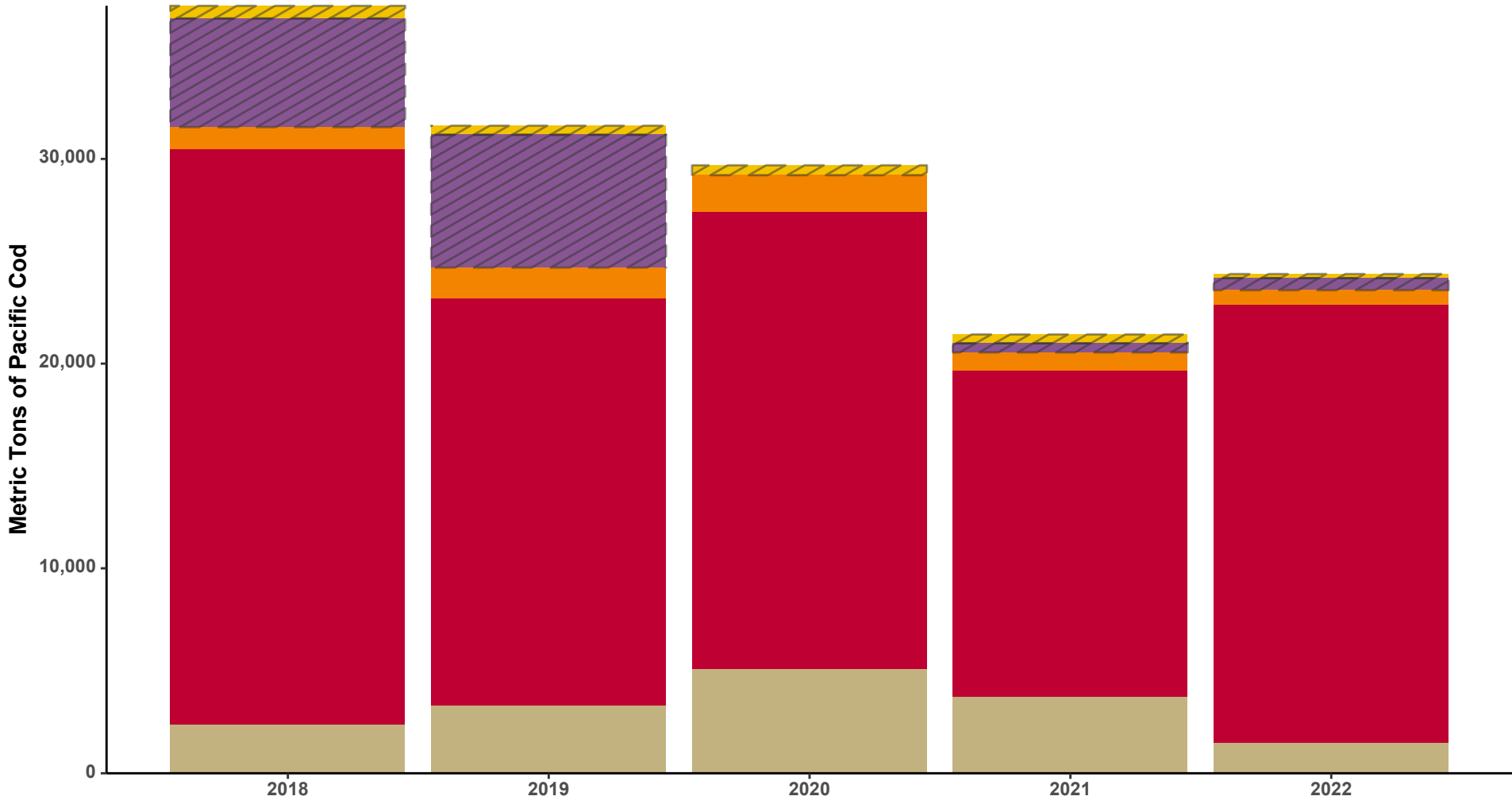
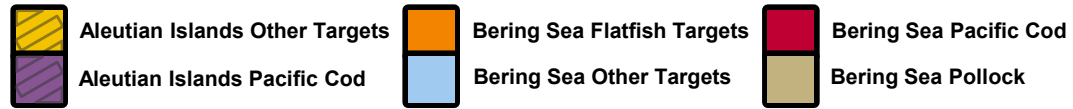
AFA CPs opened September 6 to November 1, 2022

In the Bering Sea, non-CDQ Pacific cod directed fishing closed October 7, 2022.

# 2018-2022 BSAI Trawl Catcher/Processor Pacific Cod Catch by Target



# 2018-2022 BSAI Trawl Catcher Vessel Pacific Cod Catch by Target

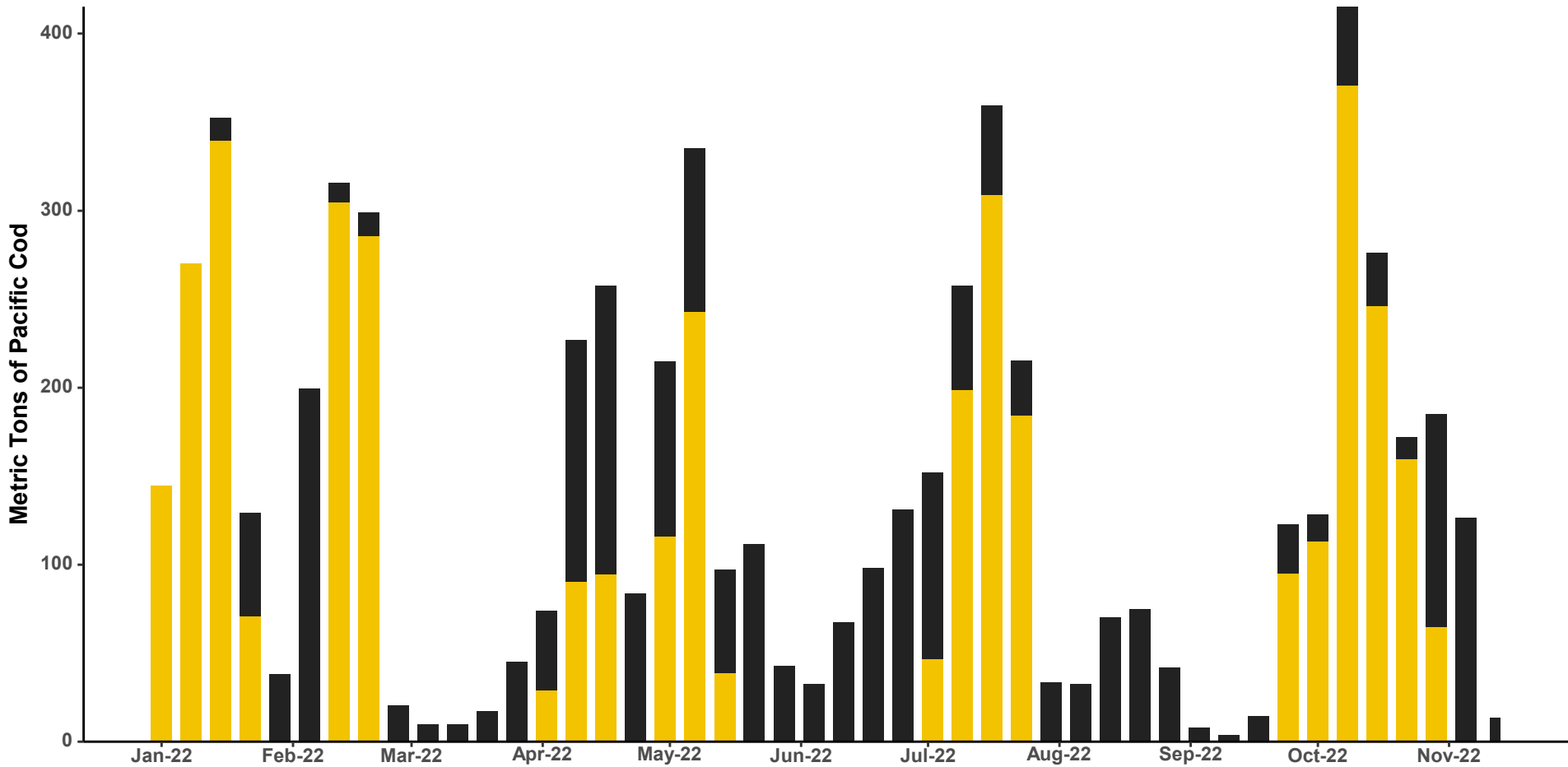




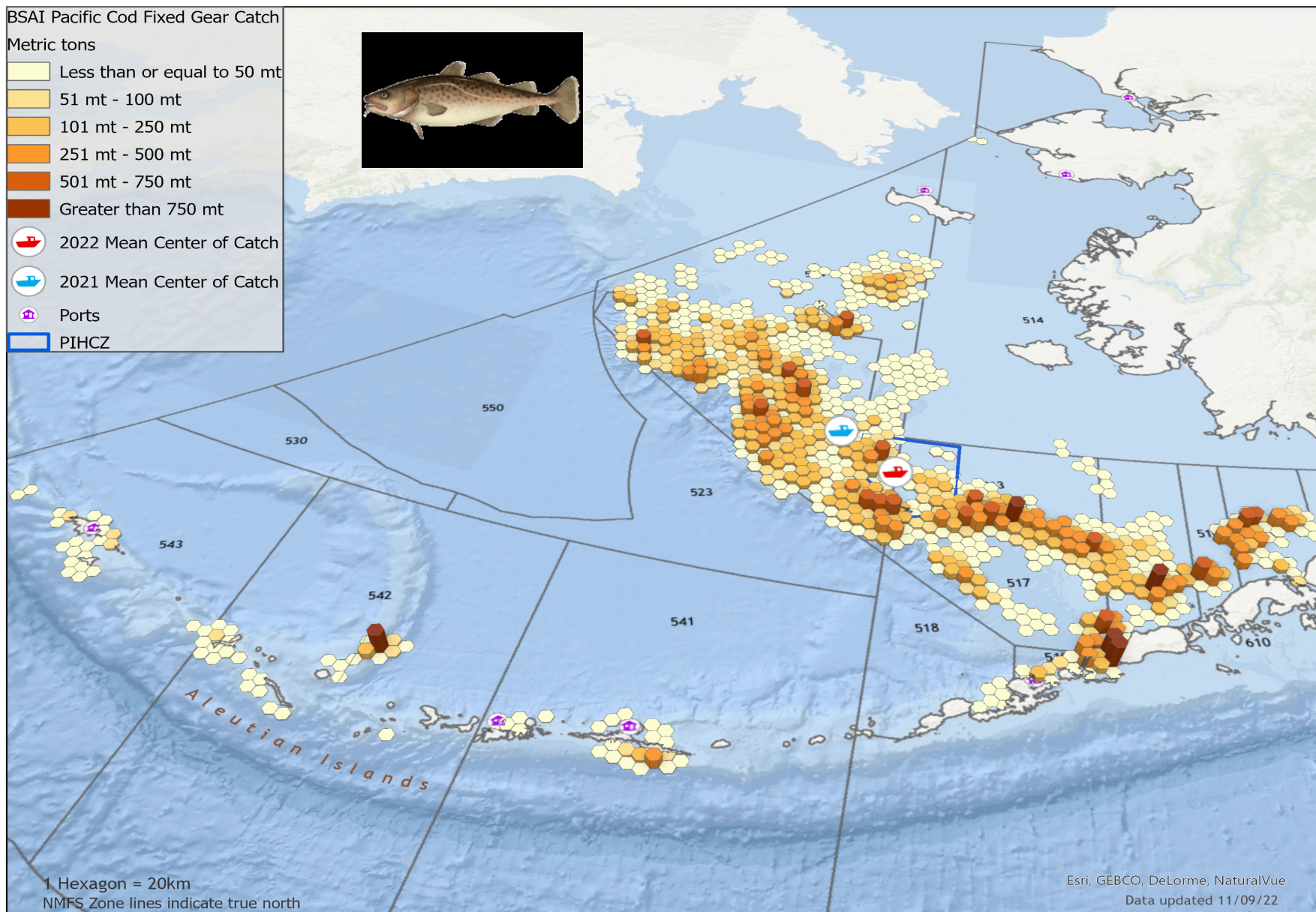
# 2022 Aleutian Islands Pacific Cod Catch

2022	TAC (mt)	Catch (mt)	%
Trawl Catcher Vessel	n/a	590	n/a
Fixed Gear	n/a	3,218	n/a
Incidental Catch	n/a	2,510	n/a
<b>TOTAL</b>	<b>13,796</b>	<b>6,318</b>	<b>46%</b>
Western AI Pacific Cod Limit	2,166	1,239	57%

Targets ■ Pacific Cod Target *Includes CDQ*



# 2022 Pacific Cod Catch by Non-Trawl Gear

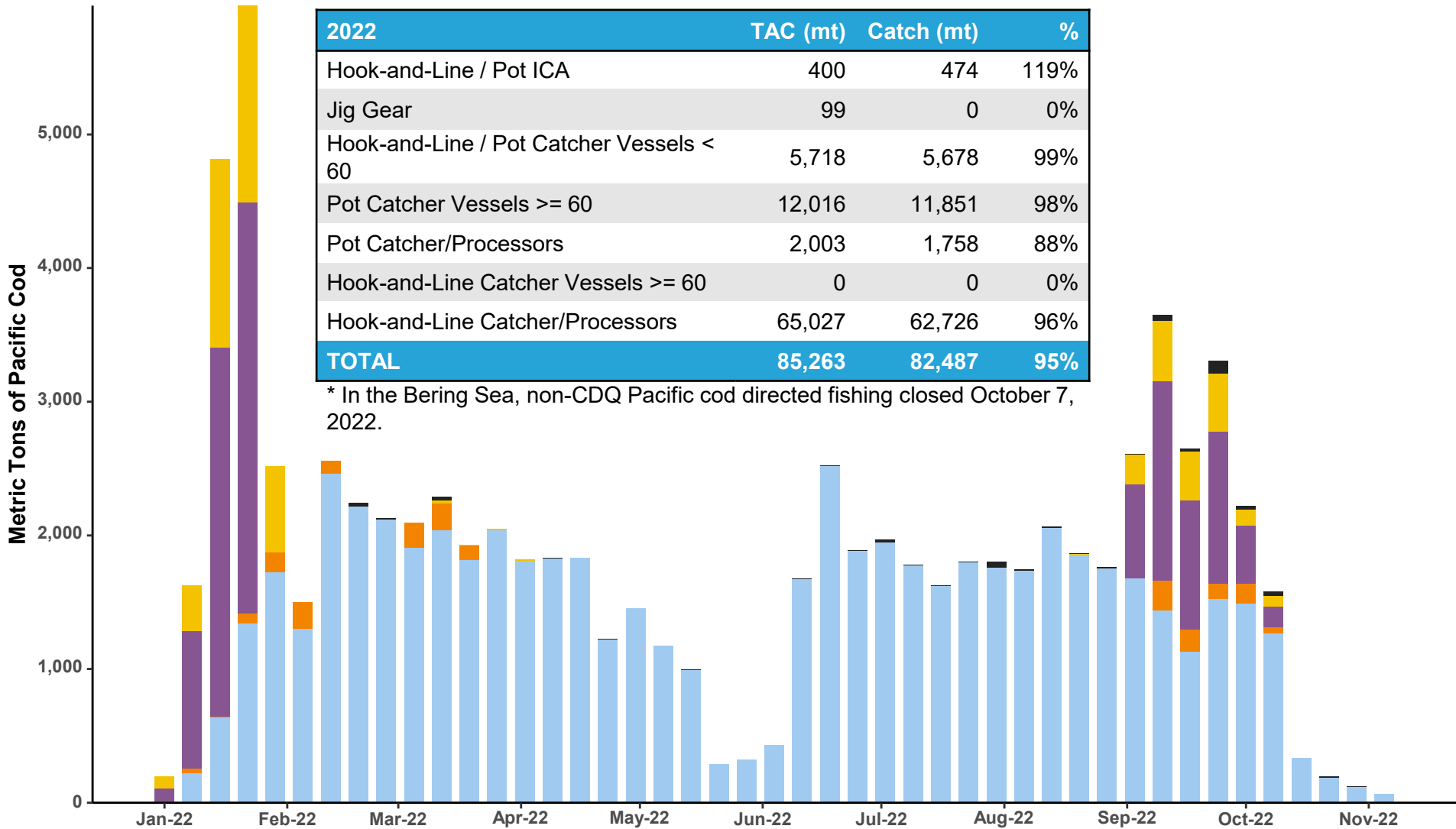


# 2022 BSAI Non-Trawl Pacific Cod Catch



2022	TAC (mt)	Catch (mt)	%
Hook-and-Line / Pot ICA	400	474	119%
Jig Gear	99	0	0%
Hook-and-Line / Pot Catcher Vessels < 60	5,718	5,678	99%
Pot Catcher Vessels >= 60	12,016	11,851	98%
Pot Catcher/Processors	2,003	1,758	88%
Hook-and-Line Catcher Vessels >= 60	0	0	0%
Hook-and-Line Catcher/Processors	65,027	62,726	96%
<b>TOTAL</b>	<b>85,263</b>	<b>82,487</b>	<b>95%</b>

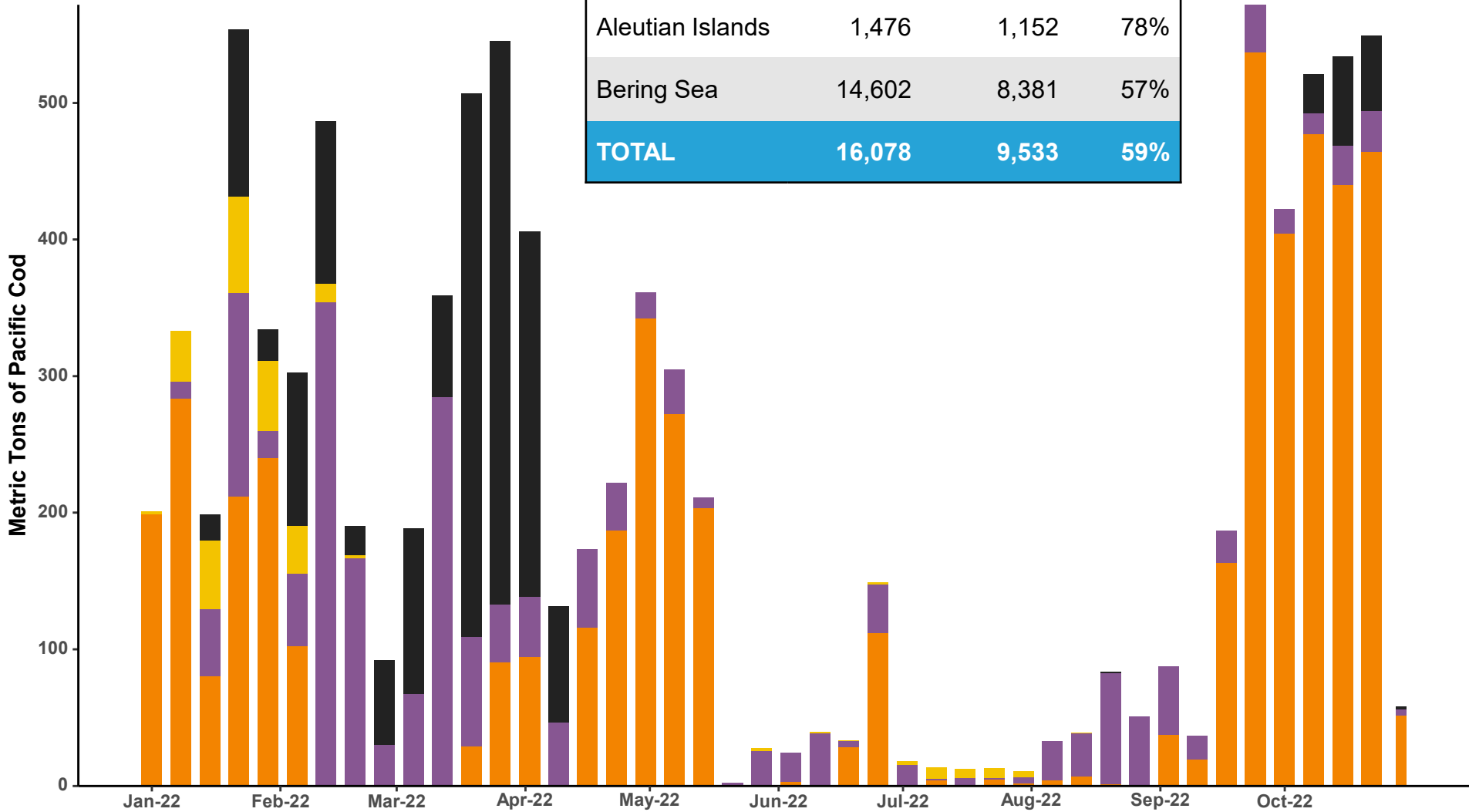
\* In the Bering Sea, non-CDQ Pacific cod directed fishing closed October 7, 2022.



# 2022 CDQ Pacific Cod Catch

POT
  PTR
  NPT
  HAL

2022	TAC (mt)	Catch (mt)	%
Aleutian Islands	1,476	1,152	78%
Bering Sea	14,602	8,381	57%
<b>TOTAL</b>	<b>16,078</b>	<b>9,533</b>	<b>59%</b>



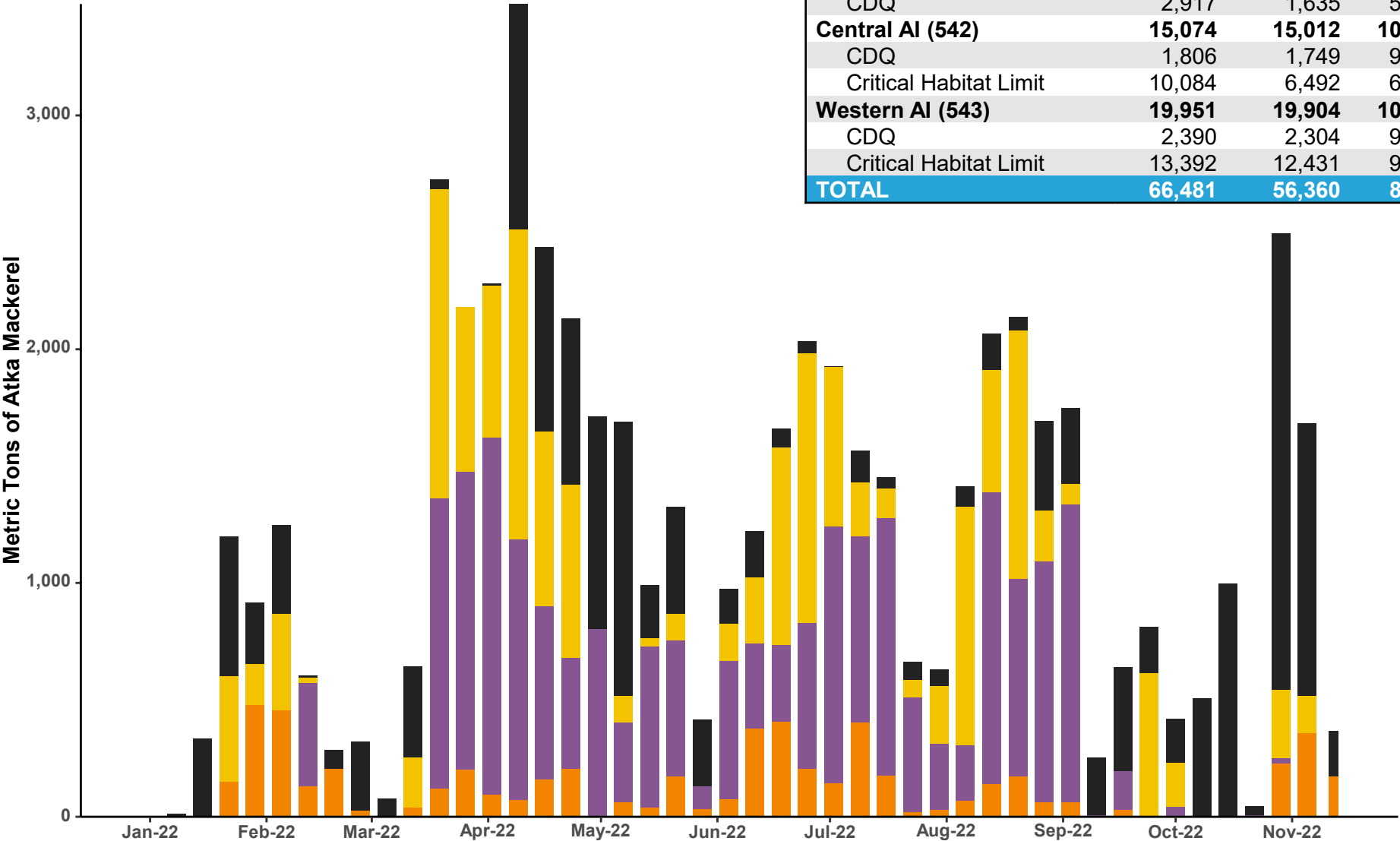
# 2022 Pacific Cod Apportionments and Catch in the BSAI



Fishery Component		TAC (mt)	Reallocations	Revised TAC	Catch (mt)	%
<b>Hook-and-Line Gear</b>	Catcher/Processors	65,027	0	65,027	62,726	96%
	Catcher Vessels >= 60 Feet	267	-267	0	0	0%
<b>Pot Gear</b>	Catcher/Processor	2,003	0	2,003	1,758	88%
	Catcher Vessels >= 60 Feet	11,216	+800	12,016	11,851	99%
<b>Hook-and-Line and Pot Gear</b>	Catcher Vessels < 60 Feet	2,671	+3,047	5,718	5,678	99%
<b>Trawl Gear</b>	AFA Catcher/Processors	3,086	0	3,086	2,386	77%
	A80 Catcher/Processors	17,981	+700	18,681	16,495	89%
	Catcher Vessels	29,655	-2,500	27,155	24,069	81%
<b>Jig Gear</b>		1,879	-1,780	99	0	0%
<b>CDQ</b>	Aleutian Islands	1,476	0	1,476	1,152	78%
	Bering Sea	14,602	0	14,602	8,381	57%
<b>Hook-and-Line/Pot Gear ICA</b>		400	0	400	474	119%
<b>TOTAL</b>		<b>150,263</b>	<b>0</b>	<b>150,263</b>	<b>134,970</b>	<b>88%</b>

# 2022 Atka Mackerel Catch by Week and Area

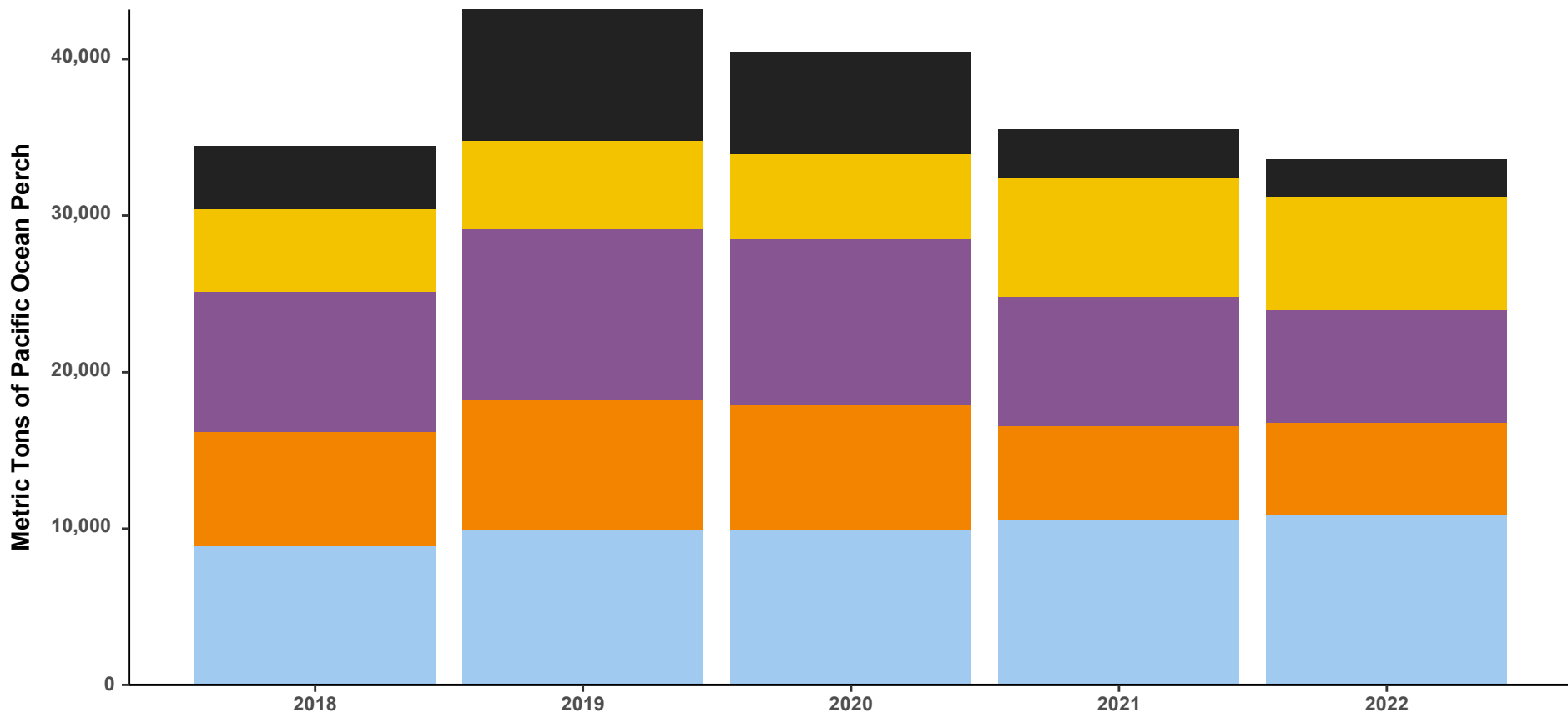
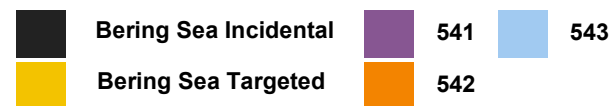
Bering Sea and Eastern AI
  Central AI
  Western AI
  CDQ



2022	TAC (mt)	Catch (mt)	%
<b>Bering Sea and Eastern AI (541)</b>	<b>24,343</b>	<b>15,756</b>	<b>66%</b>
CDQ	2,917	1,635	56%
<b>Central AI (542)</b>	<b>15,074</b>	<b>15,012</b>	<b>100%</b>
CDQ	1,806	1,749	97%
Critical Habitat Limit	10,084	6,492	64%
<b>Western AI (543)</b>	<b>19,951</b>	<b>19,904</b>	<b>100%</b>
CDQ	2,390	2,304	96%
Critical Habitat Limit	13,392	12,431	93%
<b>TOTAL</b>	<b>66,481</b>	<b>56,360</b>	<b>85%</b>

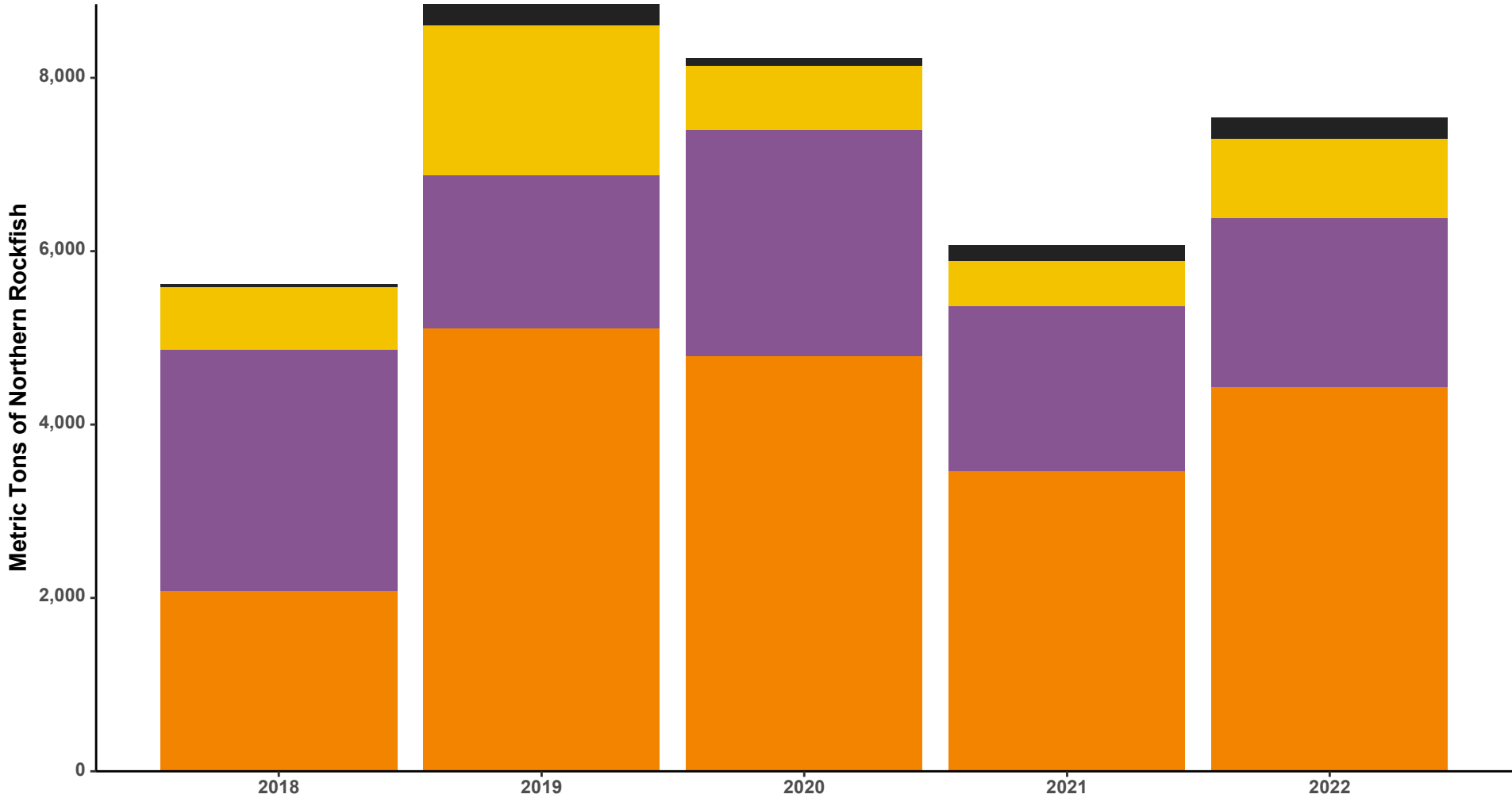
# 2018-2022 Pacific Ocean Perch Catch by Area

2022	TAC (mt)	Catch (mt)	%
<b>Bering Sea</b>	<b>10,352</b>	<b>9,675</b>	<b>93%</b>
<b>Eastern AI (541)</b>	<b>7,218</b>	<b>6,583</b>	<b>91%</b>
CDQ	865	626	72%
<b>Central AI (542)</b>	<b>5,313</b>	<b>5,247</b>	<b>99%</b>
CDQ	637	590	93%
<b>Western AI (543)</b>	<b>9,823</b>	<b>9,777</b>	<b>100%</b>
CDQ	1,177	1,105	94%
<b>TOTAL</b>	<b>35,385</b>	<b>33,603</b>	<b>95%</b>



# 2018-2022 Northern Rockfish Catch by Area

2022	ABC (mt)	TAC (mt)	Catch (mt)	%
Northern Rockfish	19,217	14,450	7,856	54%



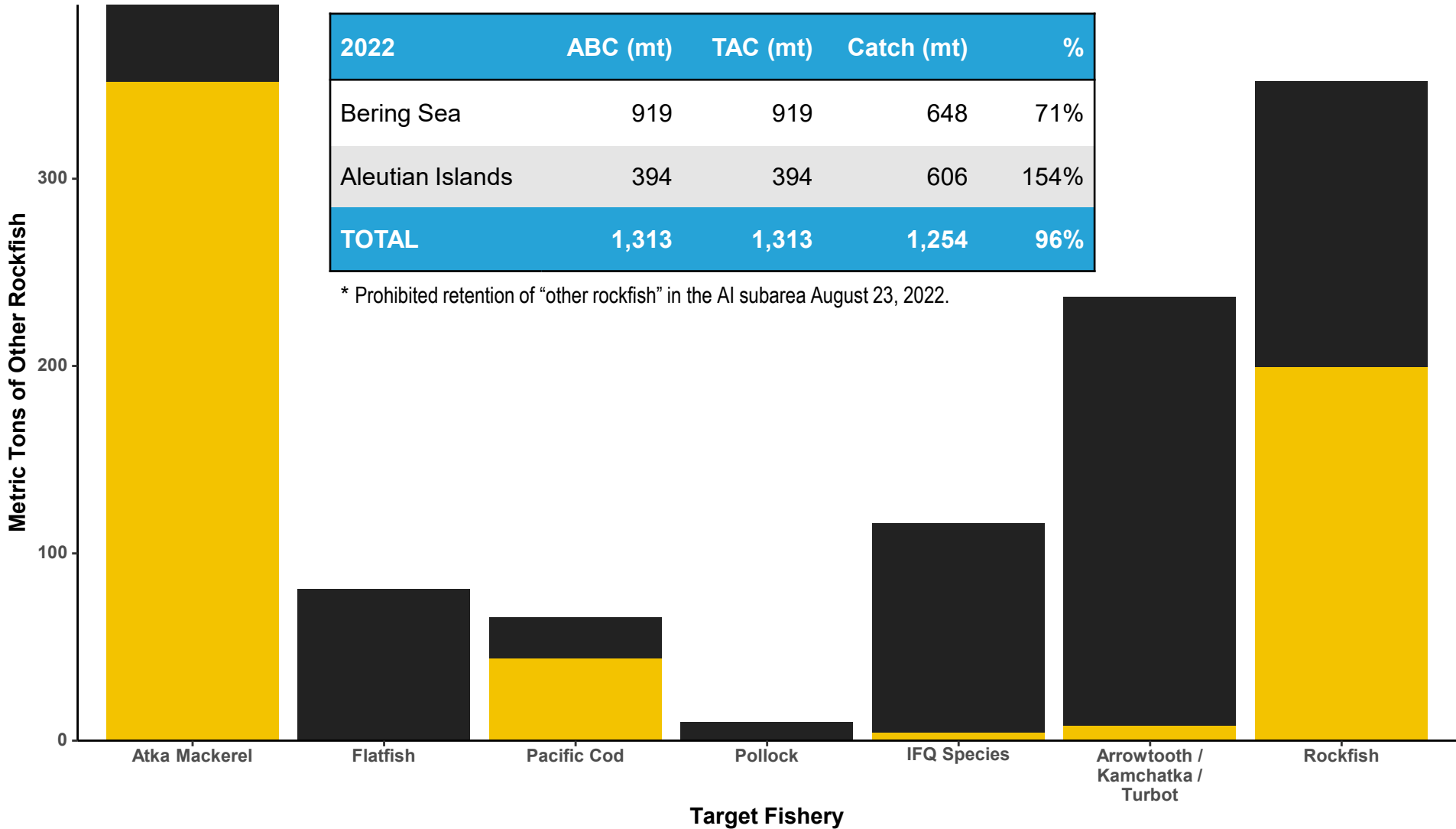


# 2022 BSAI Other Rockfish Catch

Bering Sea
  Aleutian Islands

2022	ABC (mt)	TAC (mt)	Catch (mt)	%
Bering Sea	919	919	648	71%
Aleutian Islands	394	394	606	154%
<b>TOTAL</b>	<b>1,313</b>	<b>1,313</b>	<b>1,254</b>	<b>96%</b>

\* Prohibited retention of "other rockfish" in the AI subarea August 23, 2022.

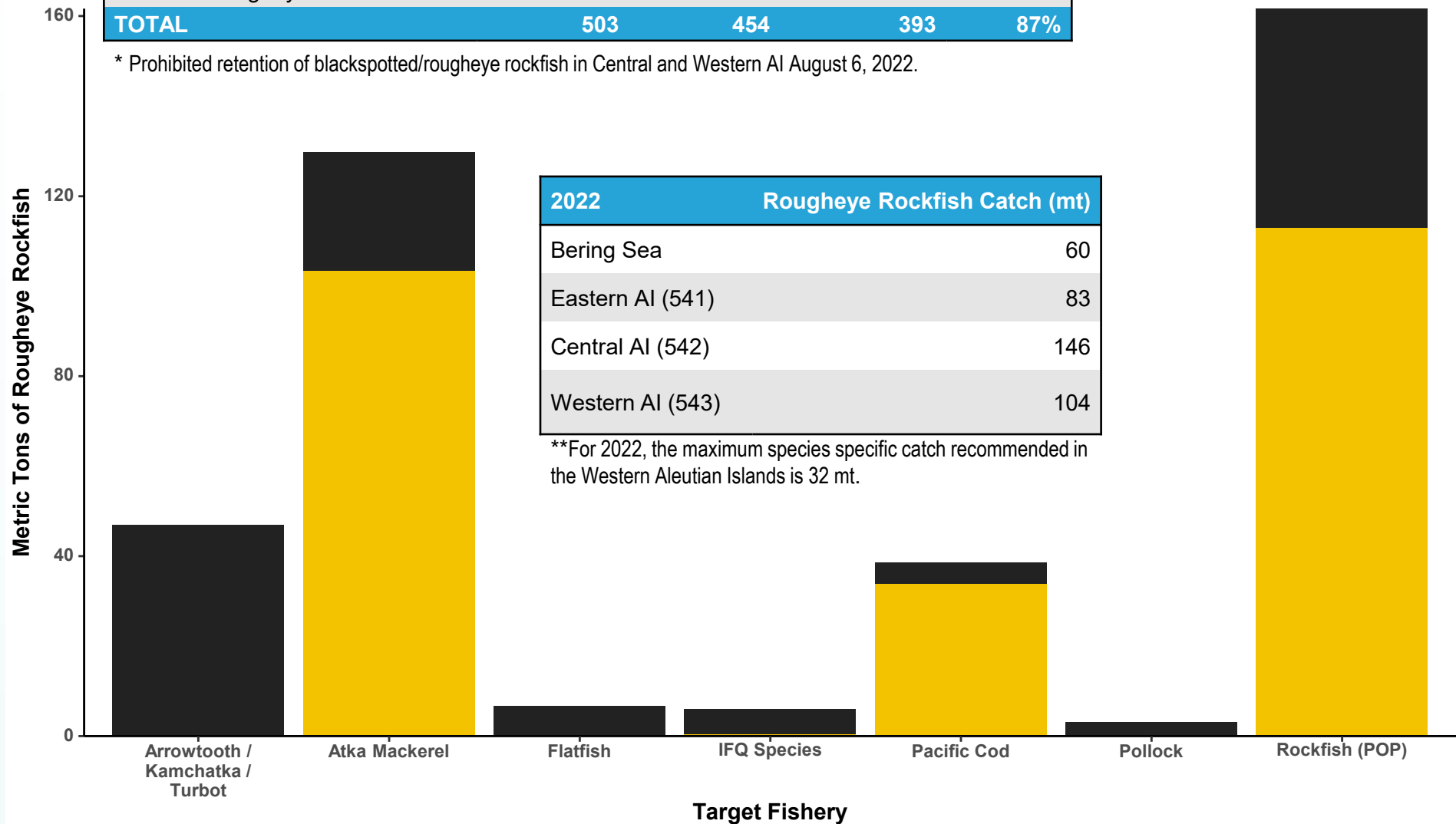


# 2022 BSAI Blackspotted / Rougheye Rockfish Catch

2022	ABC (mt)	TAC (mt)	Catch (mt)	%
BS/EAI Rougheye Rockfish	326	277	143	51%
CAI/WAI Rougheye Rockfish	177	177	250	141%
<b>TOTAL</b>	<b>503</b>	<b>454</b>	<b>393</b>	<b>87%</b>

BS / EAI Rougheye Rockfish  
 CAI / WAI Rougheye Rockfish

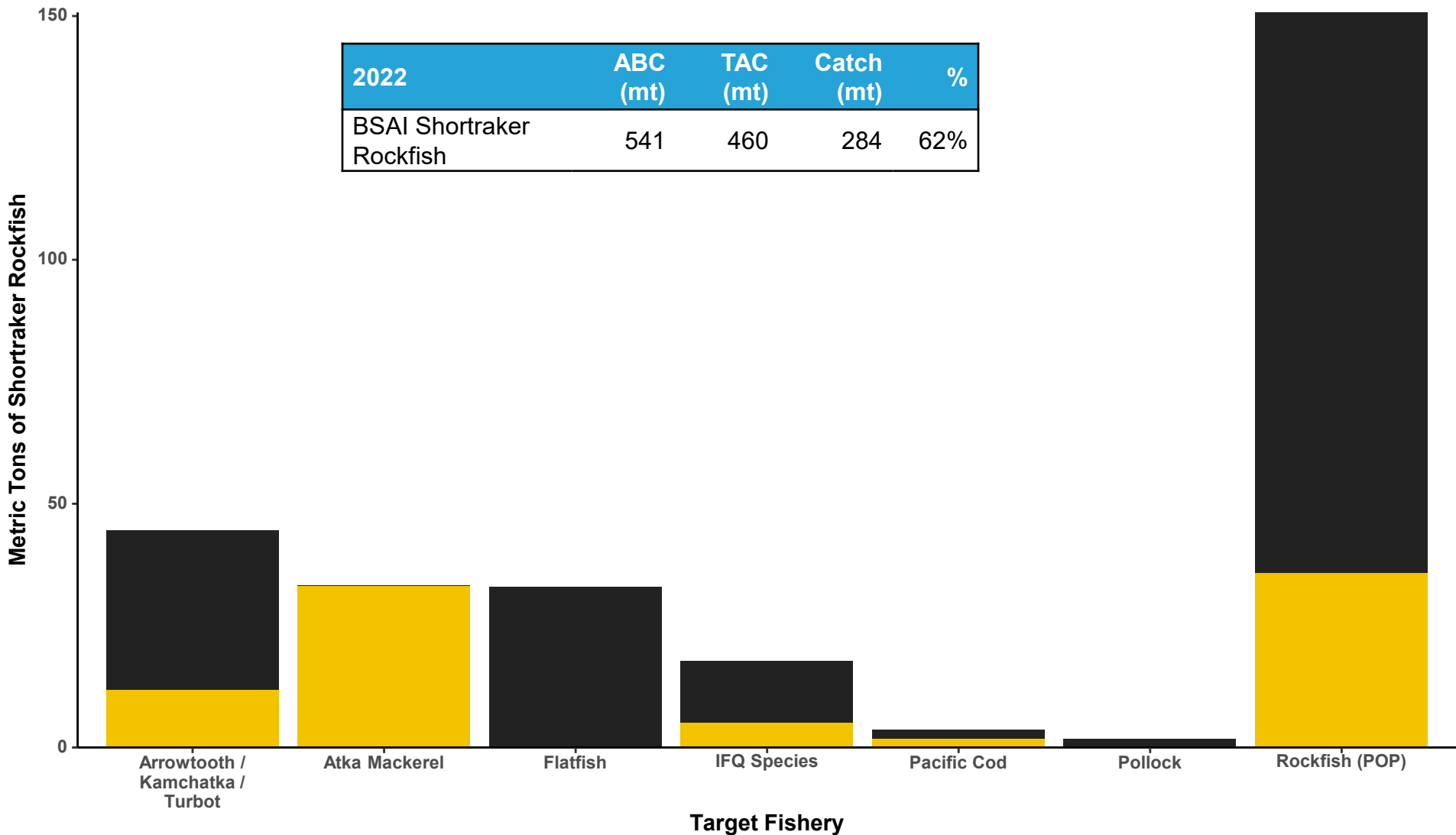
\* Prohibited retention of blackspotted/rougheye rockfish in Central and Western AI August 6, 2022.



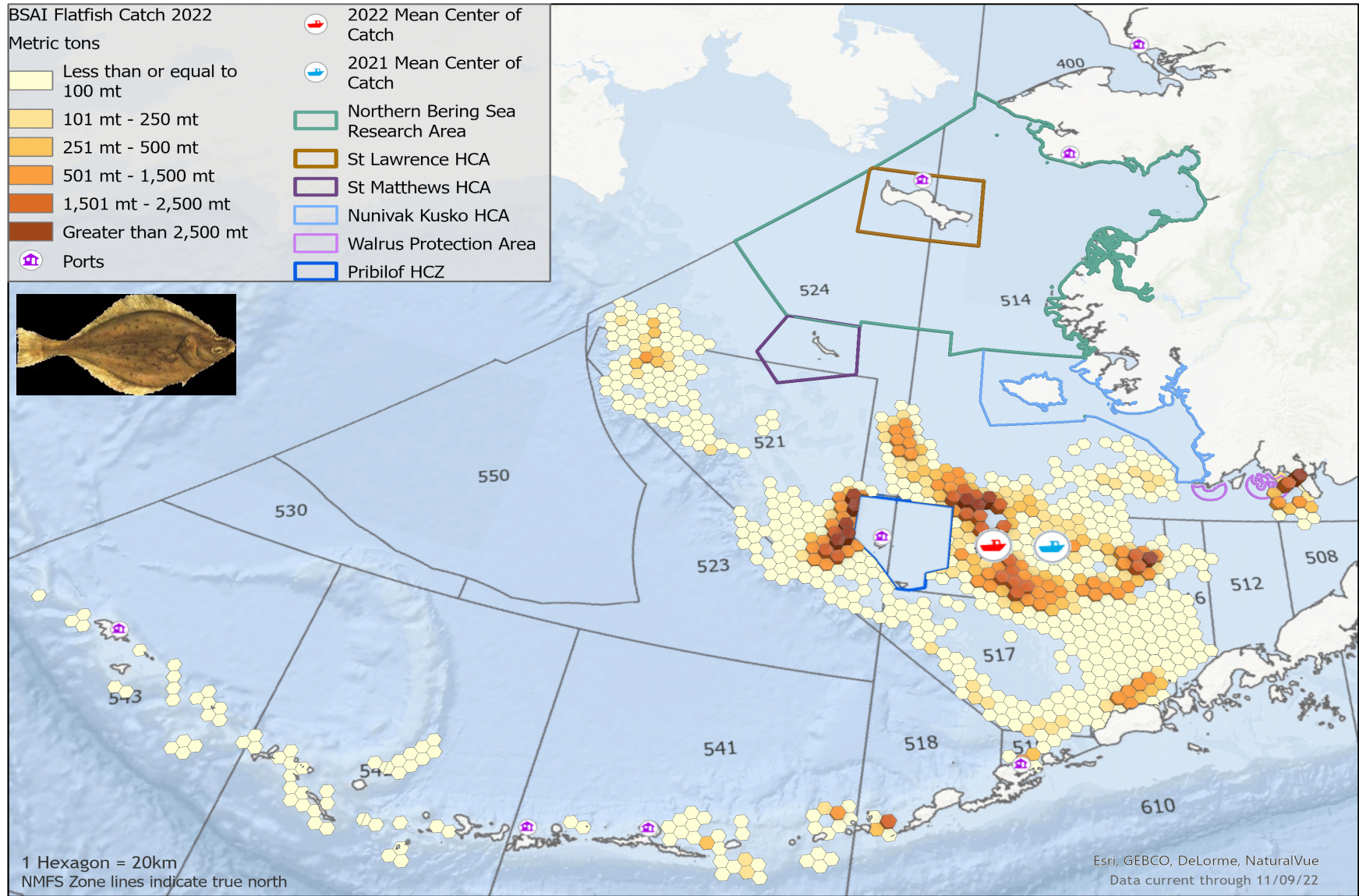
# 2022 BSAI Shortraker Rockfish Catch

Bering Sea
  Aleutian Islands

2022	ABC (mt)	TAC (mt)	Catch (mt)	%
BSAI Shortraker Rockfish	541	460	284	62%

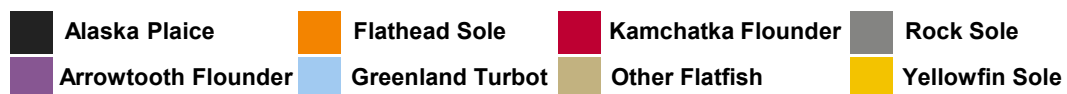


# 2022 Flatfish Catch

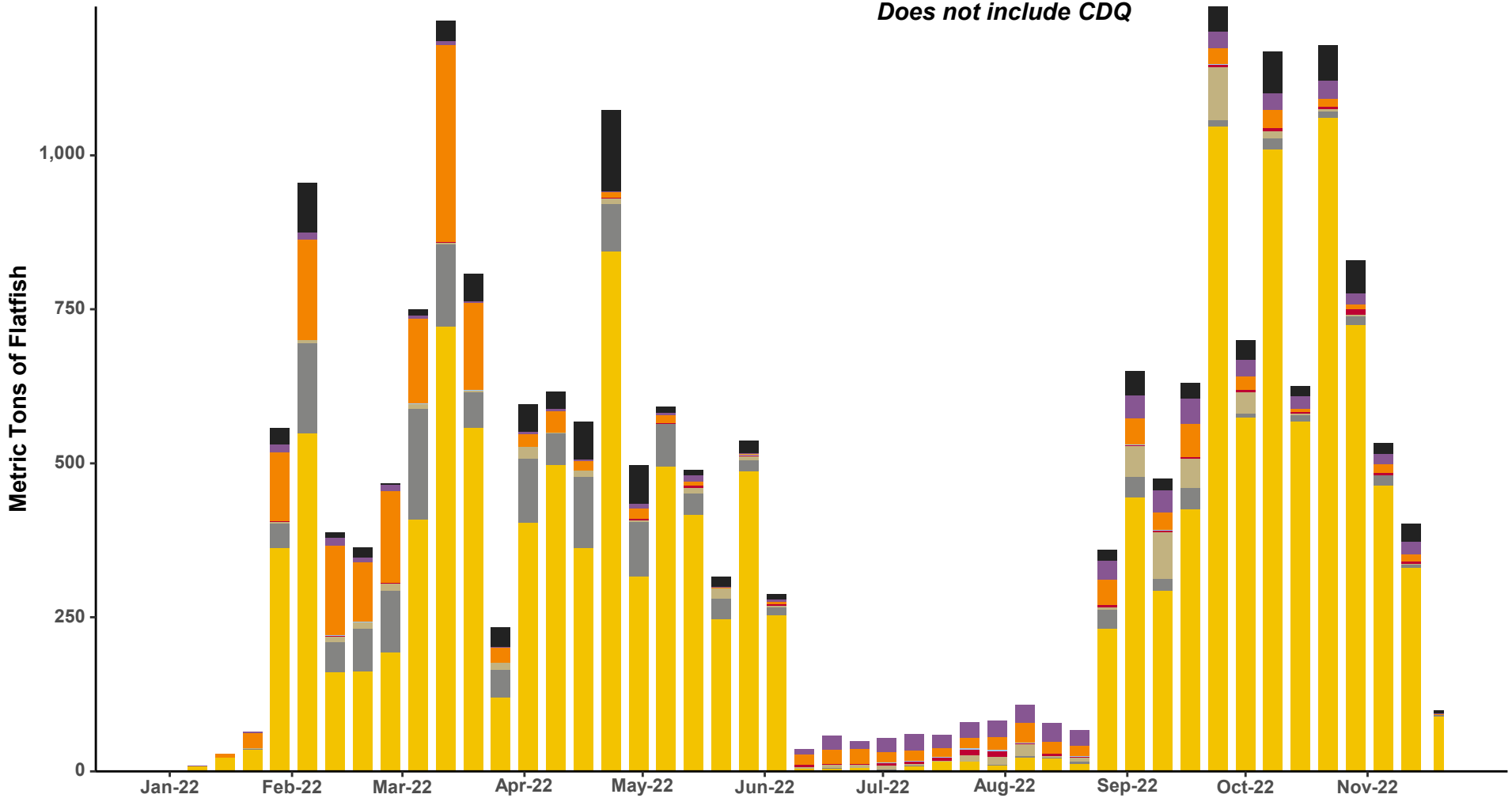




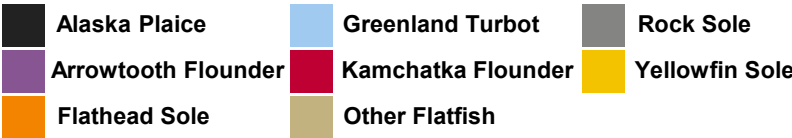
# 2022 BSAI Flatfish Catch by Non-Amendment 80 Vessels



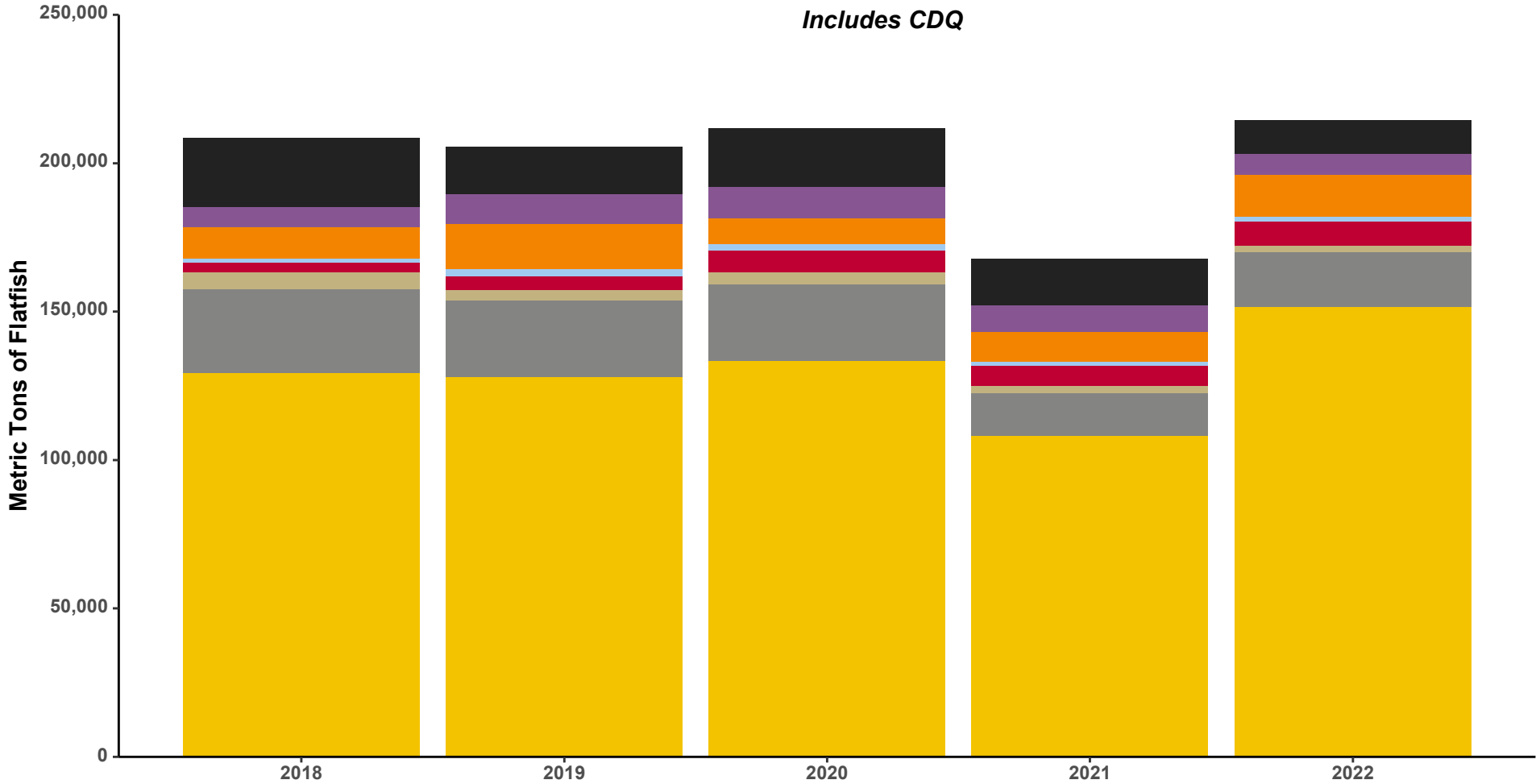
*Does not include CDQ*



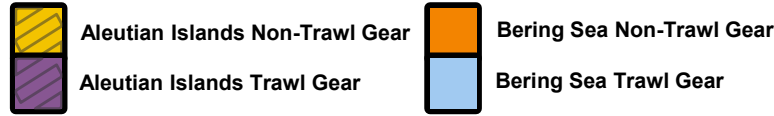
# 2018-2022 BSAI Trawl Flatfish Catch by Species



*Includes CDQ*



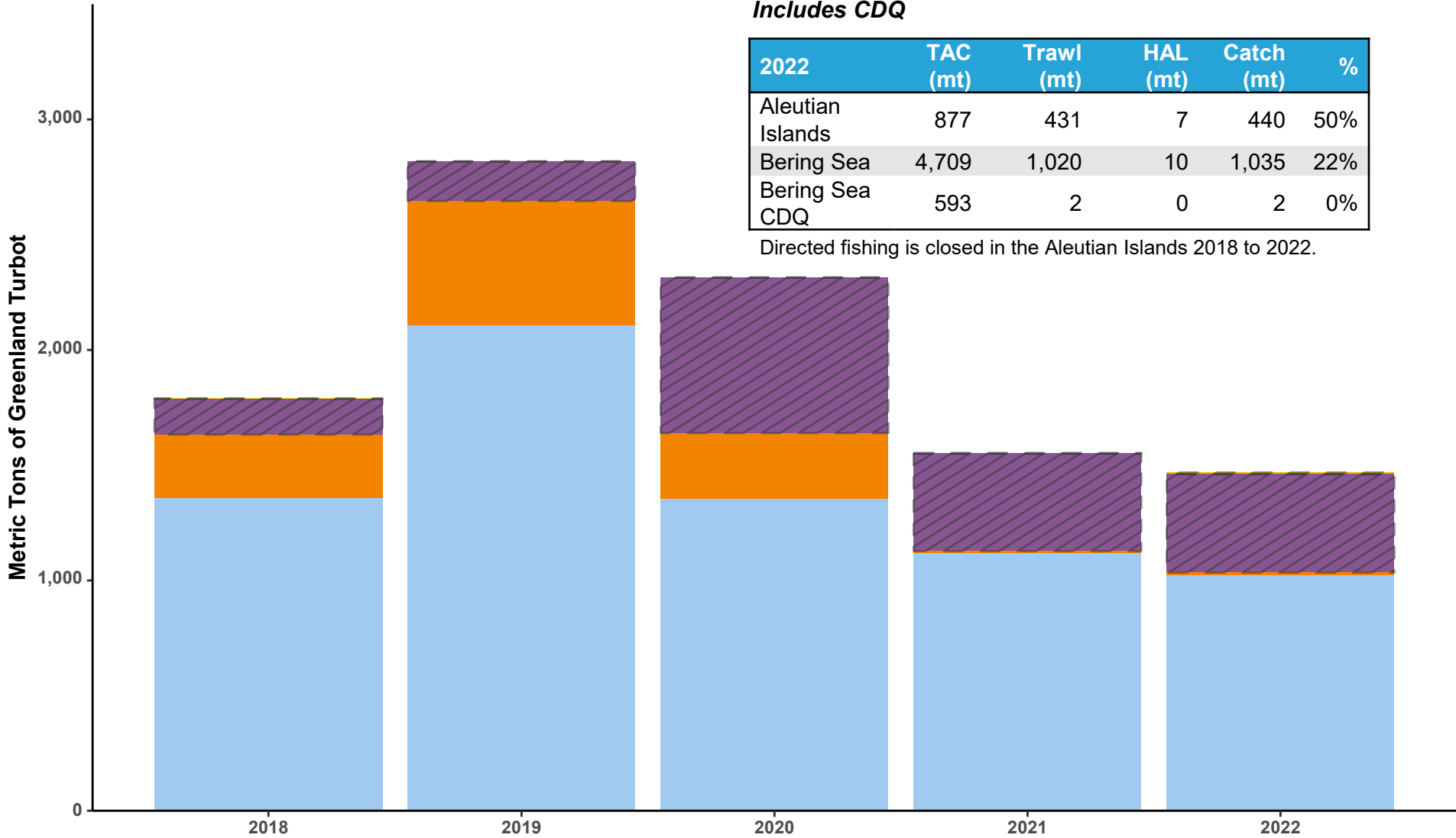
# 2018-2022 BSAI Greenland Turbot Catch



*Includes CDQ*

2022	TAC (mt)	Trawl (mt)	HAL (mt)	Catch (mt)	%
Aleutian Islands	877	431	7	440	50%
Bering Sea	4,709	1,020	10	1,035	22%
Bering Sea CDQ	593	2	0	2	0%

Directed fishing is closed in the Aleutian Islands 2018 to 2022.

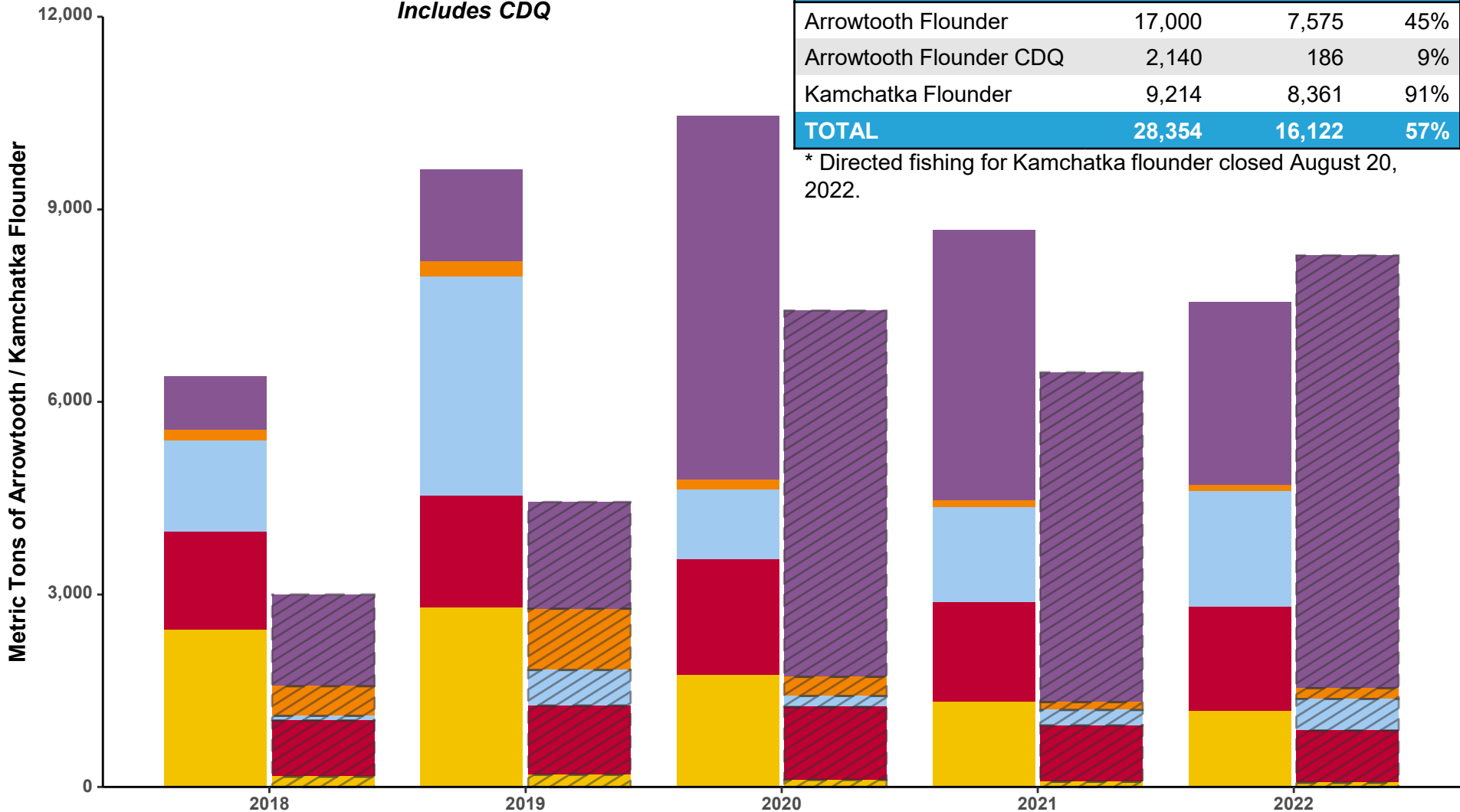




# 2018-2022 BSAI Arrowtooth / Kamchatka Flounder Catch



*Includes CDQ*



2022	TAC (mt)	Catch (mt)	%
Arrowtooth Flounder	17,000	7,575	45%
Arrowtooth Flounder CDQ	2,140	186	9%
Kamchatka Flounder	9,214	8,361	91%
<b>TOTAL</b>	<b>28,354</b>	<b>16,122</b>	<b>57%</b>

\* Directed fishing for Kamchatka flounder closed August 20, 2022.

# 2022 Flatfish Catch in the BSAI



2022	ABC (mt)	Sector	TAC (mt)	Catch (mt)	%
Arrowtooth Flounder	80,389		17,000	7,575	45%
		CDQ	2,140	186	9%
Flathead Sole	64,288		31,702	14,126	45%
		CDQ	3,799	502	13%
Rock Sole	206,896		58,938	16,932	29%
		CDQ	7,062	1,373	19%
Yellowfin Sole	354,014		223,250	140,971	63%
		CDQ	26,750	11,133	42%
Kamchatka Flounder	9,214		9,214	8,361	91%
Includes CDQ ***					
Alaska Plaice	32,697		24,838	11,122	45%
Includes CDQ ***					
Other Flatfish	17,189		8,500	2,554	30%
Includes CDQ ***					

\* TAC increased from the nonspecified reserves.

\*\* TAC changed from Flatfish Exchanges – no Flatfish Exchanges in 2022.

\*\*\* Includes CDQs that are in the CDQ allocation for that species.

# 2022 Changes in Flatfish TAC from Flatfish Exchanges

Group	Date	Flathead Sole		Rock Sole		Yellowfin Sole	
		TAC	Exchange	TAC	Exchange	TAC	Exchange
Initial	01-Jan	35,500		66,000		250,000	
<b>Total Change</b>			<b>0</b>		<b>0</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

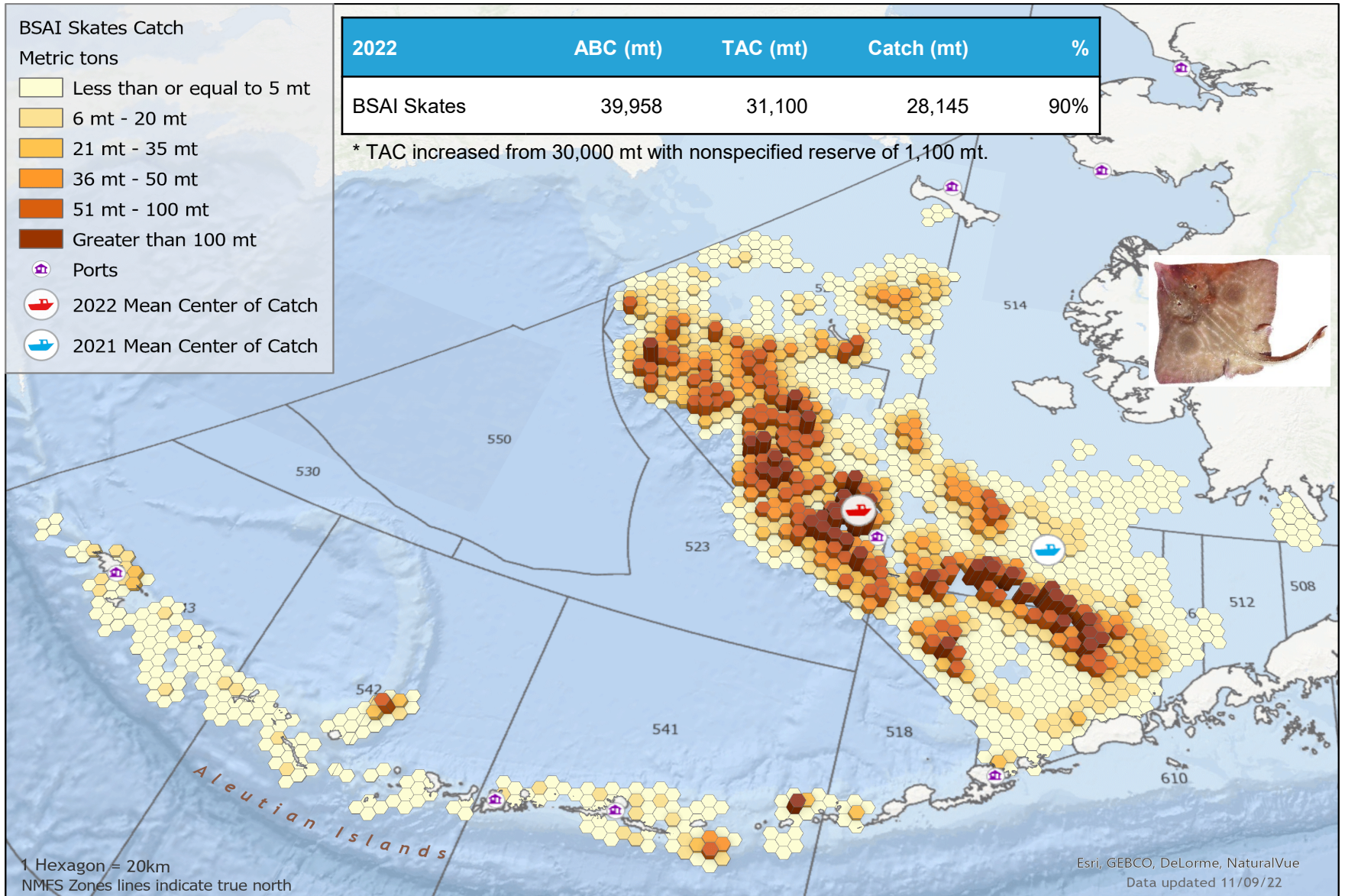
Number of Amendment 80 Catcher/Processors and Catcher Vessels			
	2021		19 Catcher/Processors and 1 Catcher Vessel
	2022		18 Catcher/Processors and 1 Catcher Vessel
Number of Motherships (non-pollock)		Number of CVs delivering to Motherships (non-pollock)	
	2021	9	2021 13
	2022	9	2022 12

# 2021 - 2022 CDQ Inter-Group Transfers

Species	Number of 2021 Transfers	Weight	Count
Arrowtooth Flounder	2	250	0
Atka Mackerel	5	547	0
Flathead Sole	1	214	0
Greenland Turbot	1	35	0
Pacific Cod	5	563	0
Pacific Ocean Perch	3	205	0
Rock Sole	2	745	0
Sablefish	2	13	0
Yellowfin Sole	2	3,395	0
Crab PSC Limits	8	0	112,505
Halibut PSC Limit	2	25	0
<b>TOTAL</b>	<b>33</b>	<b>5,992</b>	<b>112,505</b>

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	6	680	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>46</b>	<b>10,989</b>	<b>155,066</b>

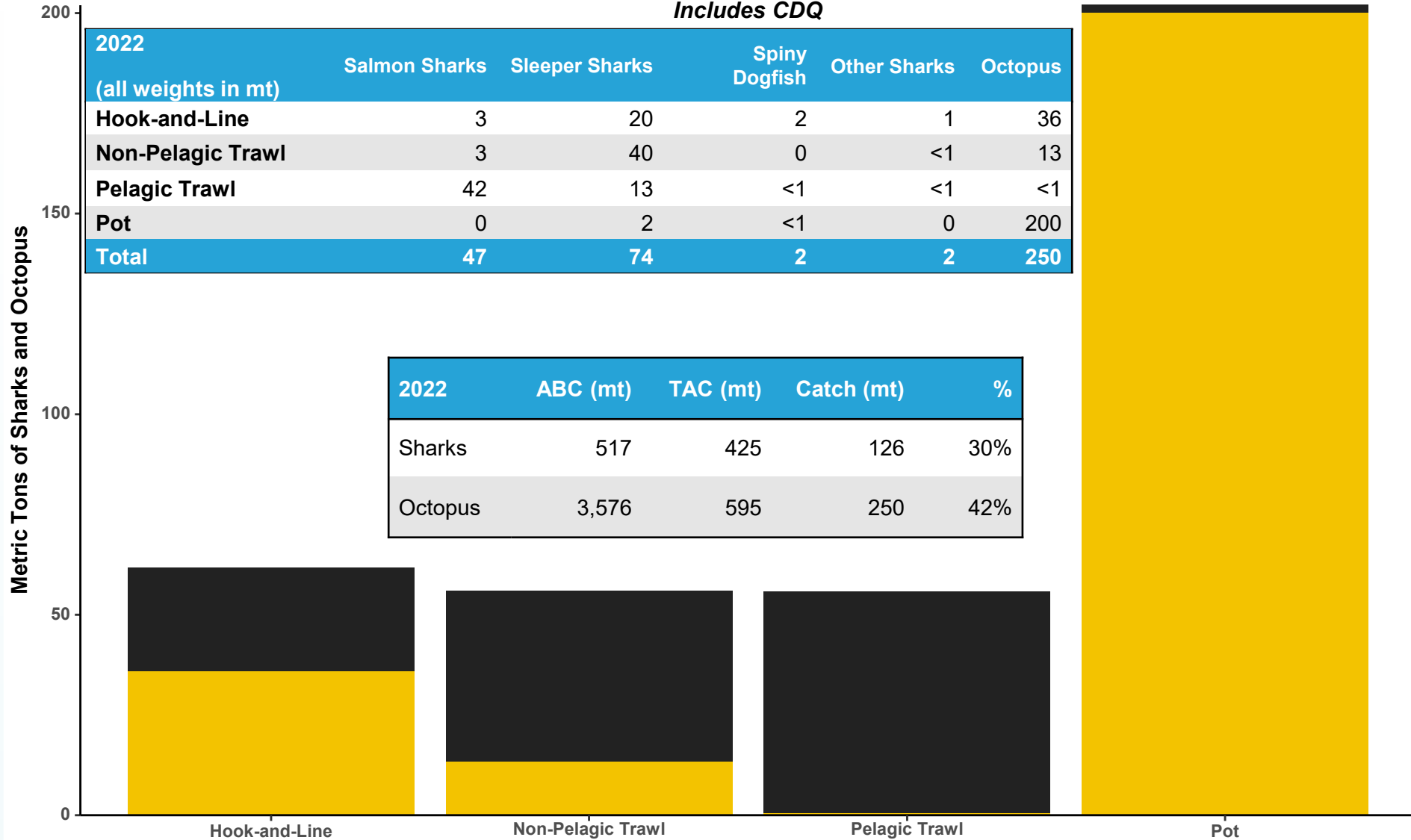
# 2022 Skates Catch



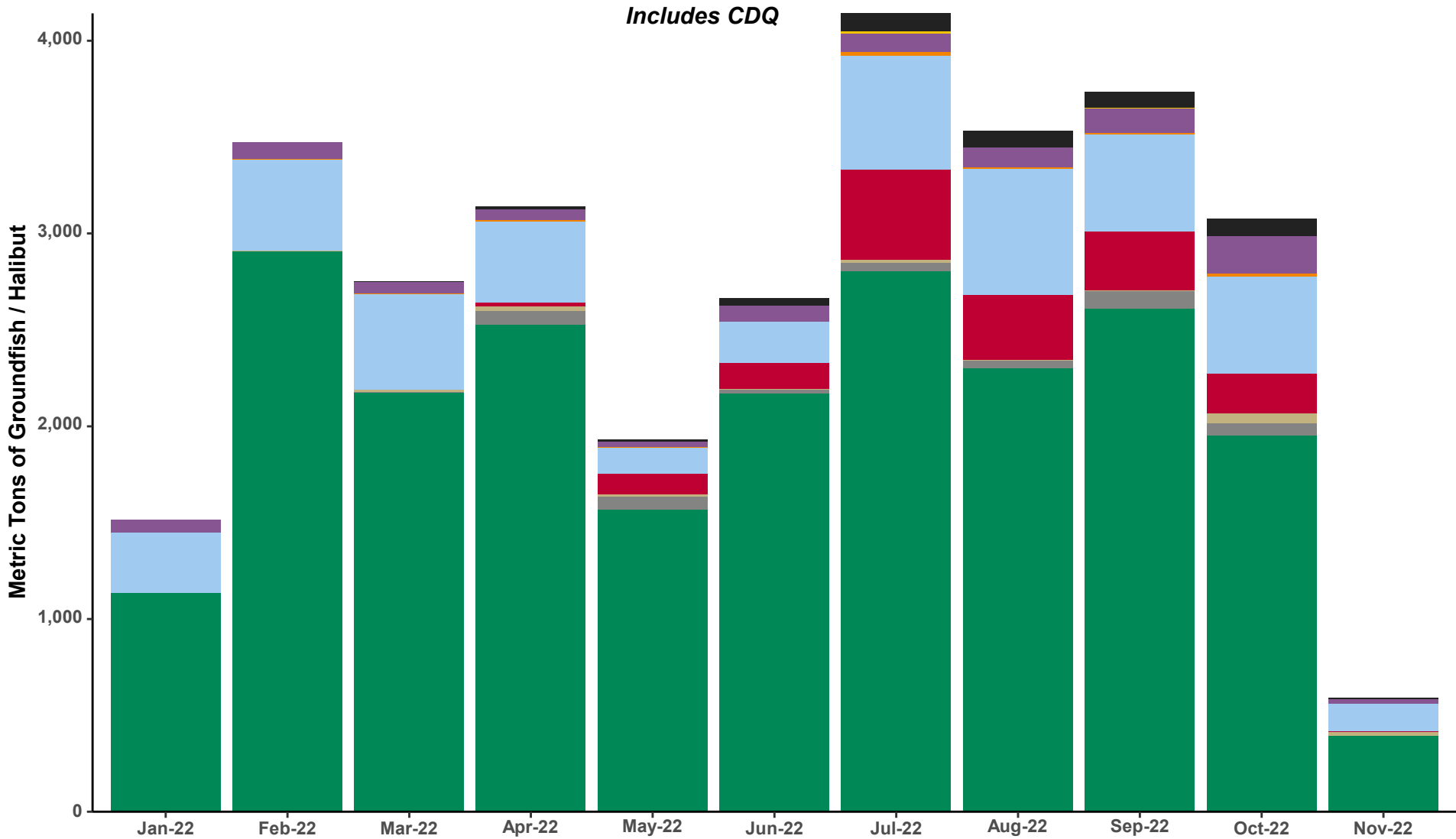
# 2022 BSAI Sharks and Octopus

Sharks Octopus

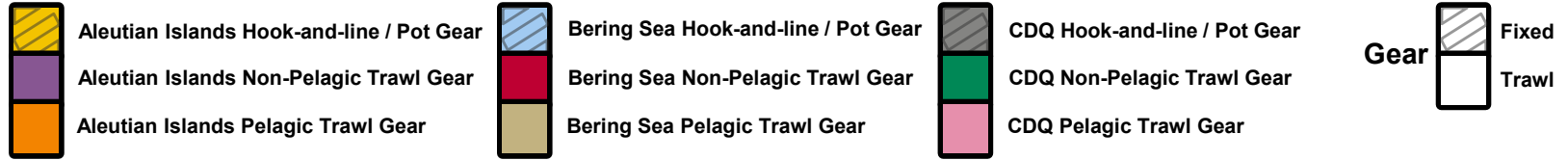
*Includes CDQ*



# 2022 BSAI Hook-and-Line Non Pacific Cod Catch



# 2022 BSAI Sablefish Catch



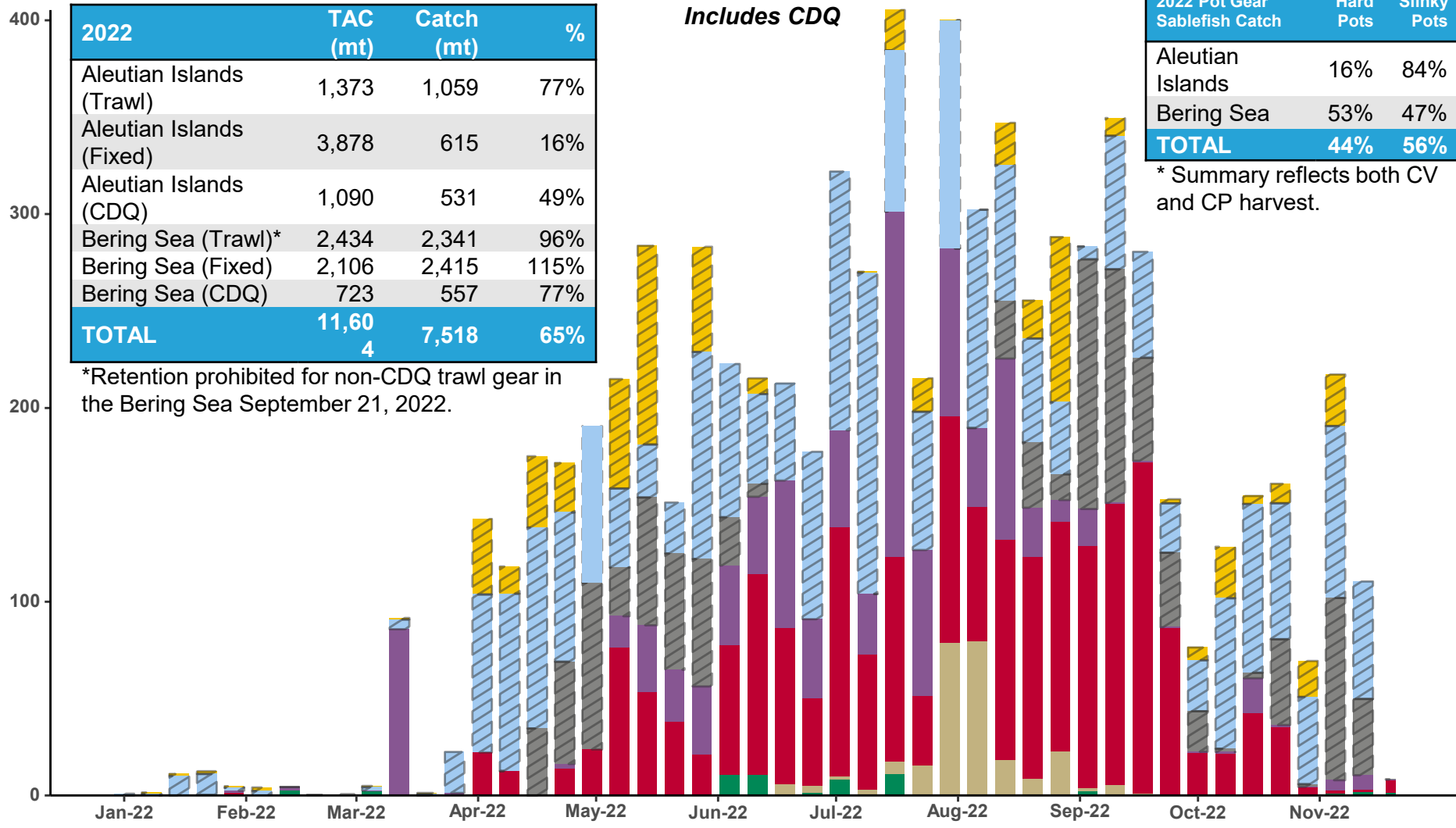
2022	TAC (mt)	Catch (mt)	%
Aleutian Islands (Trawl)	1,373	1,059	77%
Aleutian Islands (Fixed)	3,878	615	16%
Aleutian Islands (CDQ)	1,090	531	49%
Bering Sea (Trawl)*	2,434	2,341	96%
Bering Sea (Fixed)	2,106	2,415	115%
Bering Sea (CDQ)	723	557	77%
<b>TOTAL</b>	<b>11,604</b>	<b>7,518</b>	<b>65%</b>

*Includes CDQ*

2022 Pot Gear Sablefish Catch	Hard Pots	Slinky Pots
Aleutian Islands	16%	84%
Bering Sea	53%	47%
<b>TOTAL</b>	<b>44%</b>	<b>56%</b>

\* Summary reflects both CV and CP harvest.

Metric Tons of Sablefish



\*Retention prohibited for non-CDQ trawl gear in the Bering Sea September 21, 2022.





# 2022 Non-specified Reserve Releases

Species	Initial TAC (mt)	Reallocations	Revised TAC	Catch (mt)	%
BS Other Rockfish	638	281	919	648	71%
BS POP	8,799	1,553	10,352	9,675	93%
BS Sablefish	5,066	197	5,263	5,313	101%
BSAI Kamchatka Flounder	7,832	1,382	9,214	8,361	91%
CAI-WAI Rougheye Rockfish	150	27	177	250	141%
<b>Reserves</b>	<b>17,948</b>	<b>-9,040</b>	<b>8,908</b>		

## Groundfish Species Placed on Prohibited Retention Status

2021				Date
Pacific Cod	Aleutian Islands	AFA CP	Trawl	March 15
Pacific Cod	Bering Sea	AFA CP	Trawl	March 15
Sablefish	Bering Sea	AFA CP	Trawl	July 17
Sablefish	Bering Sea	AFA Inshore	Trawl	July 17
Sablefish	Bering Sea	AFA Mothership	Trawl	July 17
Sablefish	Bering Sea	Amendment 80	Trawl	July 17
Sablefish	Bering Sea	BSAI Trawl Limited Access	Trawl	July 17
Rougheye Rockfish	AI - Central 542	All	All Gears	August 02
Rougheye Rockfish	AI - Western 543	All	All Gears	August 02
Other Rockfish	Aleutian Islands	All	All Gears	September 26
Shortraker Rockfish	Aleutian Islands	All	All Gears	November 16
Shortraker Rockfish	Bering Sea	All	All Gears	November 16

2022				Date
Rougheye Rockfish	Aleutian Islands - Central 542	All	All Gears	August 06
Rougheye Rockfish	Aleutian Islands - Western 543	All	All Gears	August 06
Other Rockfish	Aleutian Islands	All	All Gears	August 23
Sablefish	Bering Sea	All	Trawl	September 21

# 2021 - 2022 BSAI Trawl Groundfish Retained and Discarded

2021 Trawl	Retained	Discarded	% Retained
Atka Mackerel	60,646	650	99%
Pollock	1,360,868	13,641	99%
Yellowfin Sole	106,774	1,275	99%
Pacific Cod*	39,615	2,090	95%
Kamchatka Flounder	6,443	152	98%
Pacific Ocean Perch	33,689	1,788	95%
Greenland Turbot	1,547	34	98%
Flathead Sole	9,471	533	95%
Rock Sole	13,431	952	93%
Northern Rockfish	5,648	497	92%
Alaska Plaice	14,579	1,282	92%
Arrowtooth Flounder	8,014	738	92%
Shortraker Rockfish*	327	124	73%
Other Rockfish*	620	290	68%
Rougheye Rockfish*	305	161	65%
Sablefish*	1,374	1,876	42%
Other Flatfish	924	1,572	37%
Skate and GOA Skate, Other	2,661	3,828	41%
Other Species	8	197	4%
<b>TOTAL</b>	<b>1,666,943</b>	<b>31,680</b>	<b>98%</b>

Sorted by 2022 species' percent retained.

\* Species on prohibited retention status.

'Other Species' includes sharks and octopus.

2022 Trawl	Retained	Discarded	% Retained
Atka Mackerel	55,690	601	99%
Pollock	1,090,056	13,110	99%
Yellowfin Sole	149,523	1,943	99%
Pacific Cod	44,640	729	98%
Kamchatka Flounder	8,042	233	97%
Pacific Ocean Perch	32,474	1,128	97%
Greenland Turbot	1,403	51	97%
Flathead Sole	13,597	596	96%
Rock Sole	17,322	969	95%
Northern Rockfish	7,224	596	92%
Alaska Plaice	10,225	897	92%
Arrowtooth Flounder	6,638	706	90%
Shortraker Rockfish	233	37	86%
Other Rockfish*	772	409	65%
Rougheye Rockfish*	226	124	64%
Sablefish*	2,190	1,262	63%
Other Flatfish	1,069	1,144	48%
Skate and GOA Skate, Other	1,641	3,993	29%
Other Species	8	103	7%
<b>TOTAL</b>	<b>1,442,973</b>	<b>28,631</b>	<b>98%</b>

Sorted by species' percent retained.

\* Species on prohibited retention status.

'Other Species' includes sharks and octopus.

# 2021 - 2022 BSAI Fixed Gear Groundfish Retained and Discarded

2021 Hook-and-Line	Retained	Discarded	% Retained
Pacific Cod	59,145	1,484	98%
Pollock	3,075	516	86%
Sablefish	252	315	44%
Skate and GOA Skate, Other	6,240	7,299	46%
Shortraker Rockfish*	15	30	33%
Rougheye Rockfish*	5	44	10%
Other Rockfish*	15	139	10%
Arrowtooth Flounder	16	280	5%
Greenland Turbot	1	11	10%
Other Species	3	66	4%
Other Flatfish	20	729	3%
Shark	0	28	0%
<b>TOTAL</b>	<b>68,788</b>	<b>10,942</b>	<b>86%</b>

Sorted by 2022 species' percent retained.

\* Species on prohibited retention status.

'Other Species' includes Atka mackerel and octopus.

2022 Hook-and-Line	Retained	Discarded	% Retained
Pacific Cod	67,159	1,212	98%
Pollock	3,800	638	86%
Sablefish	198	212	48%
Skate and GOA Skate, Other	10,322	12,189	46%
Shortraker Rockfish	2	12	13%
Rougheye Rockfish*	2	39	6%
Other Rockfish*	5	91	5%
Arrowtooth Flounder	17	421	4%
Greenland Turbot	0	17	2%
Other Species	1	50	2%
Other Flatfish	4	923	0%
Shark	0	26	0%
<b>TOTAL</b>	<b>81,511</b>	<b>15,830</b>	<b>84%</b>

Sorted by species' percent retained.

\* Species on prohibited retention status.

'Other Species' includes Atka mackerel and octopus.

2021 Pot	Retained	Discarded	% Retained
Pacific Cod	14,149	17	100%
Sablefish	1,881	50	97%
Octopus	19	117	14%
Other Species	20	449	4%
<b>TOTAL</b>	<b>16,070</b>	<b>633</b>	<b>96%</b>

Sorted by 2022 species' percent retained.

\* Species on prohibited retention status.

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

2022 Pot	Retained	Discarded	% Retained
Pacific Cod	21,185	45	100%
Sablefish	3,605	51	99%
Octopus	71	129	35%
Other Species	33	628	5%
<b>TOTAL</b>	<b>24,894</b>	<b>853</b>	<b>97%</b>

Sorted by species' percent retained.

\* Species on prohibited retention status.

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

# 2022 Salmon, Crab, and Herring PSC

Chinook Salmon	Total Catch (#)	Limit (#)	%
BS Pollock Fishery	6,336	45,000	14%
AI Pollock Fishery	0	700	0%
BSAI Non-Pollock Fisheries	1,683	n/a	n/a
Non-Chinook Salmon	Total Catch (#)	Limit (#)	%
BS Pollock Fishery	242,357	n/a	n/a
AI Pollock Fishery	0	n/a	n/a
BSAI Non-Pollock Fisheries	2,586	n/a	n/a

## Trawl Gear

Crab and Herring	Total Catch
Opilio Tanner Crab (#)	202,879
Bairdi Tanner Crab (#)	429,069
Red King Crab (#)	8,604
Blue King Crab (#)	597
Golden King Crab (#)	12,814
Herring (mt)	1,759

## Fixed Gear

Crab	Total Catch
Opilio Tanner Crab (#)	69,187
Bairdi Tanner Crab (#)	118,542
Red King Crab (#)	150,749
Blue King Crab (#)	3,951
Golden King Crab (#)	13,301

# BSAI Halibut Catch

## Fixed Gear Halibut Catch

Fixed Gear Halibut (mt)	Retained	Discarded	Mortality	Limit	%
IFQ/CDQ Halibut Fishery	1,580	416	67	n/a	n/a
IFQ/CDQ Sablefish Fishery		12	4	n/a	n/a
Pacific Cod/Other Groundfish Targets - HAL		1,460	146	710	21%
Pacific Cod/Other Groundfish Targets - Pot		75	25	n/a	n/a
<b>TOTAL</b>	<b>1,580</b>	<b>1,963</b>	<b>241</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 10% for HAL catcher/processors, 10% for HAL catcher/vessels, and 33% for pot gear.

## Trawl Halibut Mortality\*

Target	Mortality * (mt)	Limit (mt)
Arrowtooth/Kamchatka/Turbot	88	n/a
Atka Mackerel	79	
Flathead Sole/Other Flatfish	212	
Pacific Cod	181	
Pollock	145	
Rockfish	50	
Rock Sole	144	
Yellowfin Sole	989	
<b>TOTAL</b>	<b>1,887</b>	<b>2,490</b>

\* Includes 457 mt deck sorted halibut mortality by 20 vessels.

Does not include CDQ.

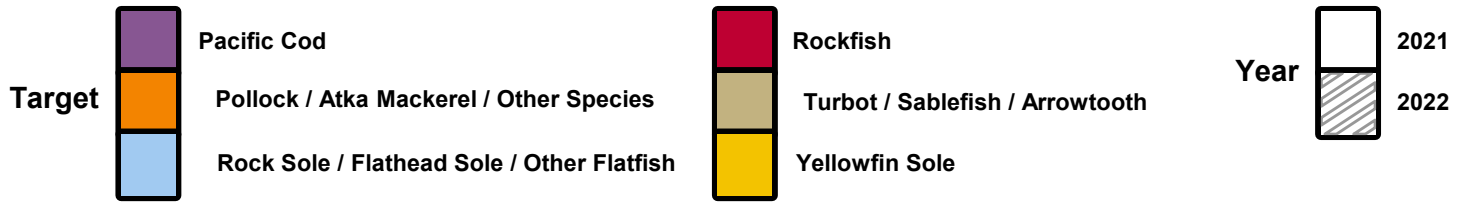
Discard mortality rates are 100% for pelagic trawl, 84% for non-pelagic trawl CPs and motherships, and 62% for non-pelagic trawl CVs.

## 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	457	20	23%

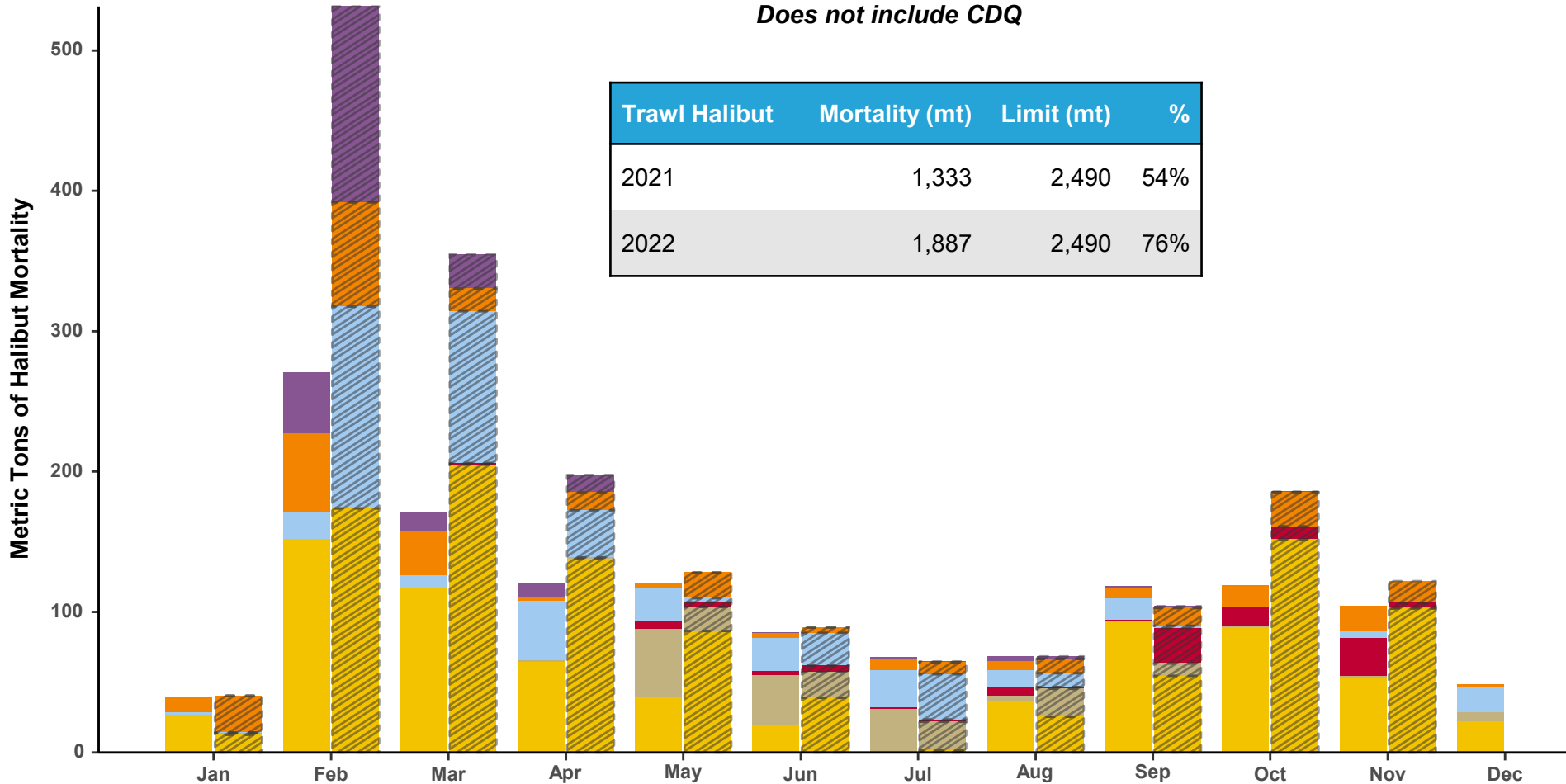
\* The regulated program for deck sorting began in 2020.

# 2021-2022 BSAI Trawl Halibut Mortality

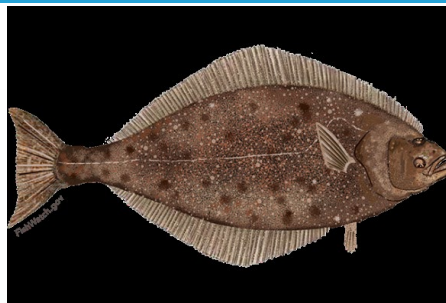


*Does not include CDQ*

Trawl Halibut	Mortality (mt)	Limit (mt)	%
2021	1,333	2,490	54%
2022	1,887	2,490	76%



# 2022 BSAI Reduction in Halibut Mortality Compared to 5-Year Average



Sector		2017-2021 Average (mt)	2022 * (mt)	% Change (mt)	2017-2021 Rate **	2022 Rate **	% Change in Rate
<b>Hook-and-Line</b>	CPs	106	136	29%	1.03	1.53	49%
	CVs	2	0	-73%	2.64	5.41	105%
<b>Hook-and-Line</b>	<b>Total</b>	<b>107</b>	<b>137</b>	<b>27%</b>	<b>1.04</b>	<b>1.54</b>	<b>48%</b>
<b>Non-Pelagic Trawl</b>	Amendment 80 CPs	1,222	1,457	19%	4.07	4.51	11%
	AFA CPs	55	66	20%	3.88	5.11	31%
	CVs	313	254	-19%	5.78	6.20	7%
<b>Non-Pelagic Trawl</b>	<b>Total</b>	<b>1,590</b>	<b>1,776</b>	<b>12%</b>	<b>4.32</b>	<b>4.71</b>	<b>9%</b>
<b>Pelagic Trawl</b>	AFA CPs	58	93	61%	0.12	0.24	104%
	AFA CVs	16	17	6%	0.02	0.03	35%
<b>Pelagic Trawl</b>	<b>Total</b>	<b>74</b>	<b>110</b>	<b>49%</b>	<b>0.06</b>	<b>0.12</b>	<b>90%</b>
<b>CDQ</b>	Hook-and-Line Vessels	11	9	-13%	0.69	1.26	83%
	Non-Pelagic Trawl Vessels	123	77	-37%	3.58	2.82	-21%
	Pelagic Trawl Vessels	11	13	23%	0.08	0.12	51%
<b>CDQ</b>	<b>Total</b>	<b>144</b>	<b>99</b>	<b>-31%</b>	<b>0.77</b>	<b>0.68</b>	<b>-12%</b>
<b>TOTAL</b>	<b>Total</b>	<b>1,915</b>	<b>2,122</b>	<b>11%</b>	<b>1.02</b>	<b>1.35</b>	<b>32%</b>

\* 2022 data through 11/15/22.

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

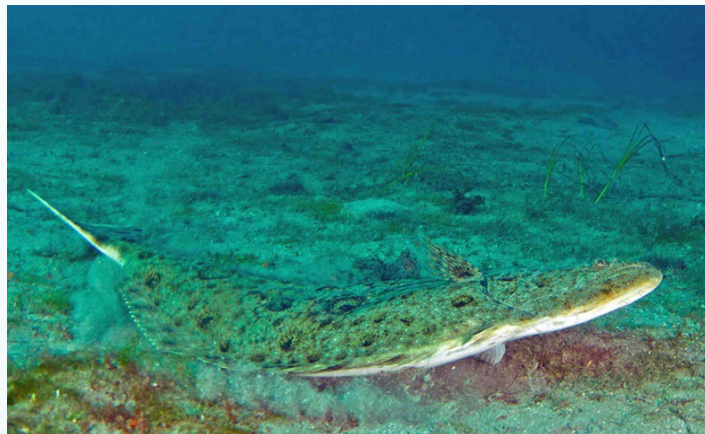


# 2022 BSAI Reduction in Halibut Mortality Compared to 2021

Sector		2021 (mt)	2022 * (mt)	% Change (mt)	2021 Rate **	2022 Rate **	% Change in Rate
<b>Hook-and-Line</b>	CPs	86	136	57%	1.30	1.53	18%
	CVs	0	0	67%	1.29	5.41	318%
<b>Hook-and-Line</b>	<b>Total</b>	<b>87</b>	<b>137</b>	<b>57%</b>	<b>1.30</b>	<b>1.54</b>	<b>18%</b>
<b>Non-Pelagic Trawl</b>	Amendment 80 CPs	1,044	1,457	40%	3.82	4.51	18%
	AFA CPs	38	66	74%	3.31	5.11	54%
	CVs	156	254	63%	4.26	6.20	46%
<b>Non-Pelagic Trawl</b>	<b>Total</b>	<b>1,237</b>	<b>1,776</b>	<b>44%</b>	<b>3.85</b>	<b>4.71</b>	<b>22%</b>
<b>Pelagic Trawl</b>	AFA CPs	78	93	20%	0.16	0.24	52%
	AFA CVs	18	17	-5%	0.02	0.03	20%
<b>Pelagic Trawl</b>	<b>Total</b>	<b>96</b>	<b>110</b>	<b>15%</b>	<b>0.08</b>	<b>0.12</b>	<b>46%</b>
<b>CDQ</b>	Hook-and-Line Vessels	11	9	-14%	1.00	1.26	25%
	Non-Pelagic Trawl Vessels	80	77	-4%	3.41	2.82	-17%
	Pelagic Trawl Vessels	13	13	-1%	0.09	0.12	24%
<b>CDQ</b>	<b>Total</b>	<b>104</b>	<b>99</b>	<b>-5%</b>	<b>0.60</b>	<b>0.68</b>	<b>14%</b>
<b>TOTAL</b>	<b>Total</b>	<b>1,524</b>	<b>2,122</b>	<b>39%</b>	<b>0.86</b>	<b>1.35</b>	<b>58%</b>

\* 2022 data through 11/15/22.

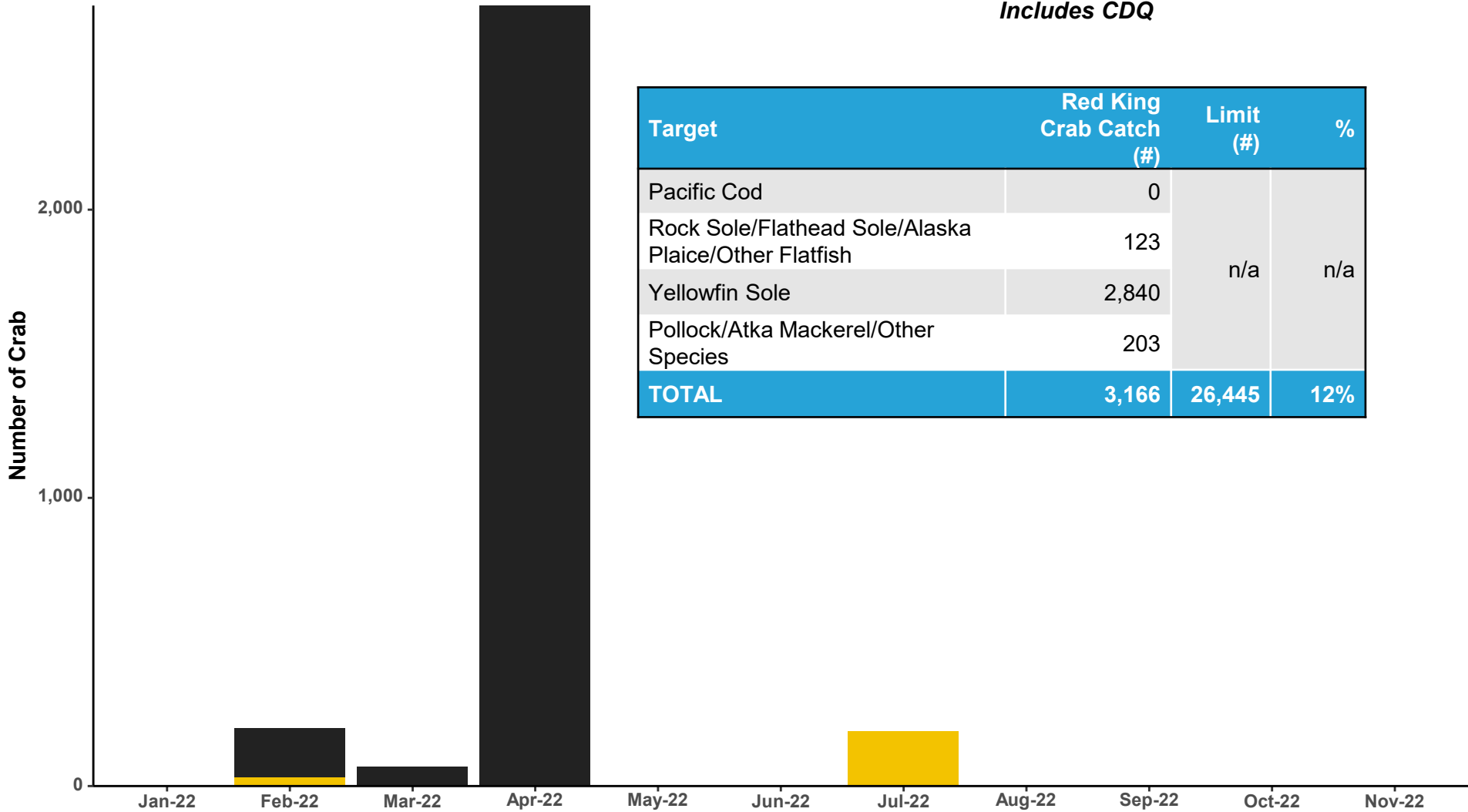
\*\* Rate is kg of halibut / mt of groundfish



# 2022 Zone 1 Trawl Red King Crab Incidental Catch by Target

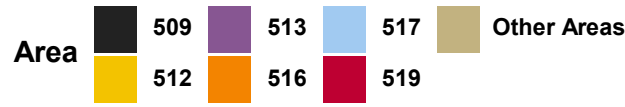
Area  509  516

*Includes CDQ*



Target	Red King Crab Catch (#)	Limit (#)	%
Pacific Cod	0	n/a	n/a
Rock Sole/Flathead Sole/Alaska Plaice/Other Flatfish	123		
Yellowfin Sole	2,840		
Pollock/Atka Mackerel/Other Species	203		
<b>TOTAL</b>	<b>3,166</b>		

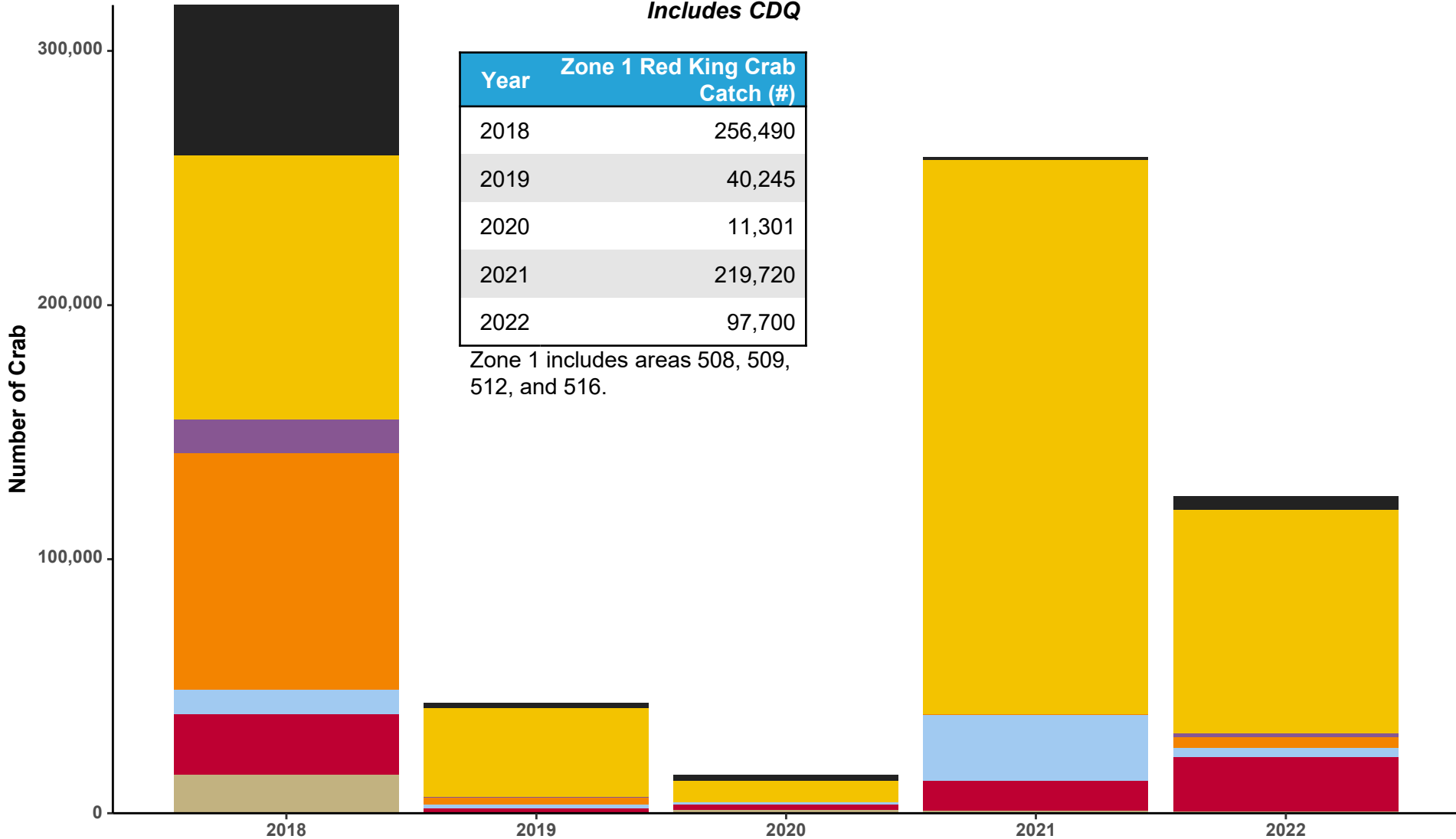
# 2018-2022 Fixed Gear Red King Crab Incidental Catch



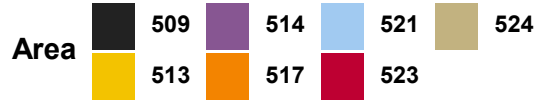
*Includes CDQ*

Year	Zone 1 Red King Crab Catch (#)
2018	256,490
2019	40,245
2020	11,301
2021	219,720
2022	97,700

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

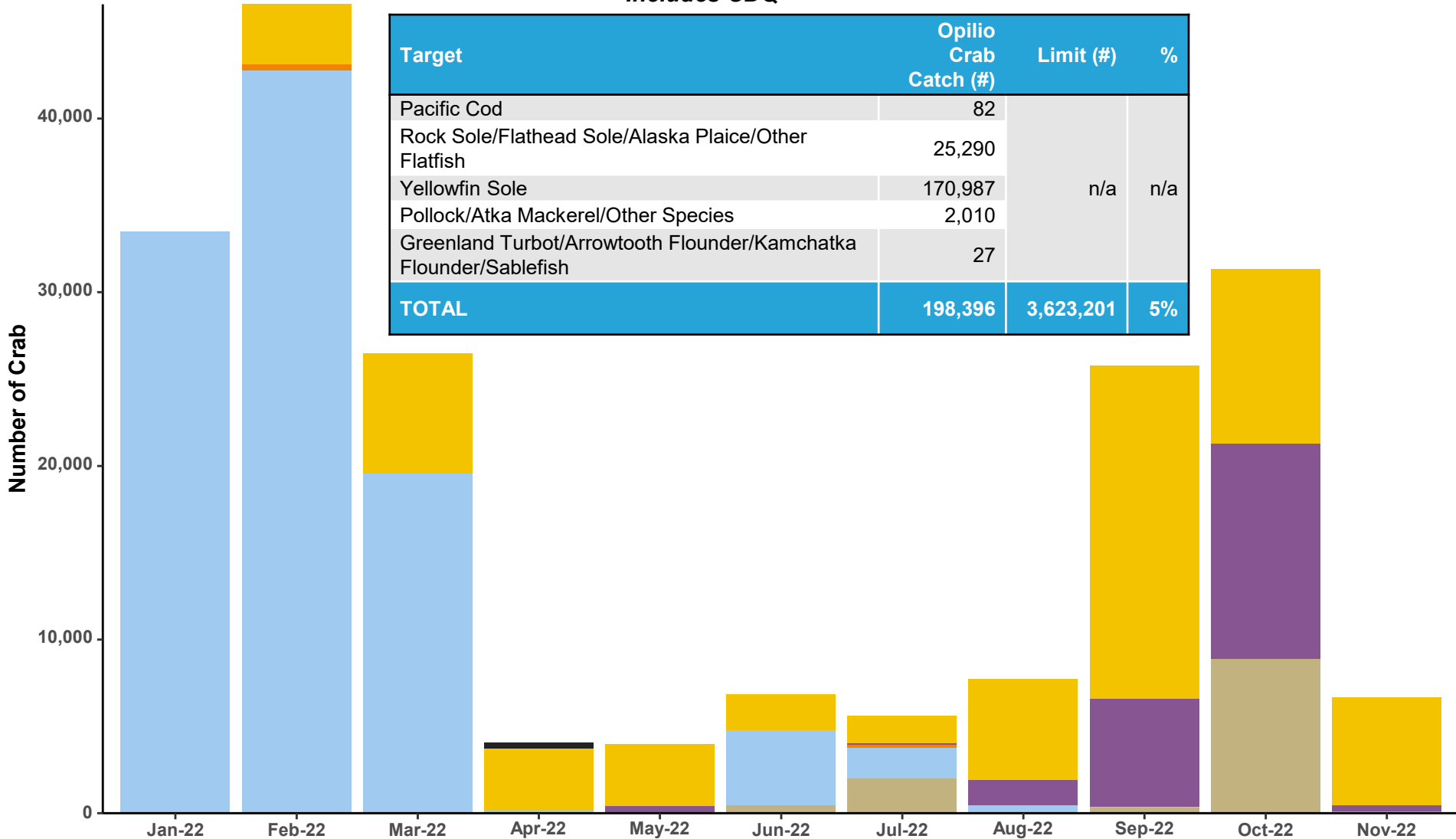


# 2022 COBLZ Trawl Opilio Crab Incidental Catch by Target



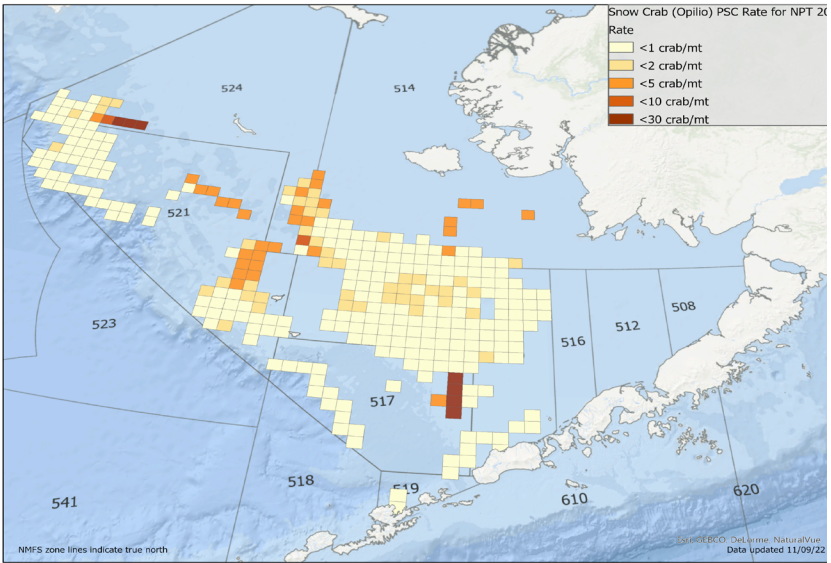
*Includes CDQ*

Target	Opilio Crab Catch (#)	Limit (#)	%
Pacific Cod	82	n/a	n/a
Rock Sole/Flathead Sole/Alaska Plaice/Other Flatfish	25,290		
Yellowfin Sole	170,987		
Pollock/Atka Mackerel/Other Species	2,010		
Greenland Turbot/Arrowtooth Flounder/Kamchatka Flounder/Sablefish	27		
<b>TOTAL</b>	<b>198,396</b>		

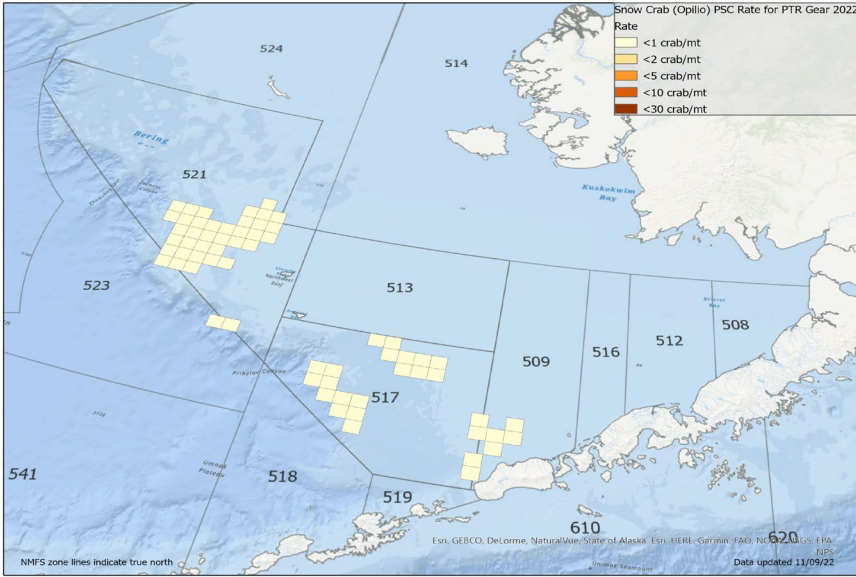


# 2022 Opilio Catch

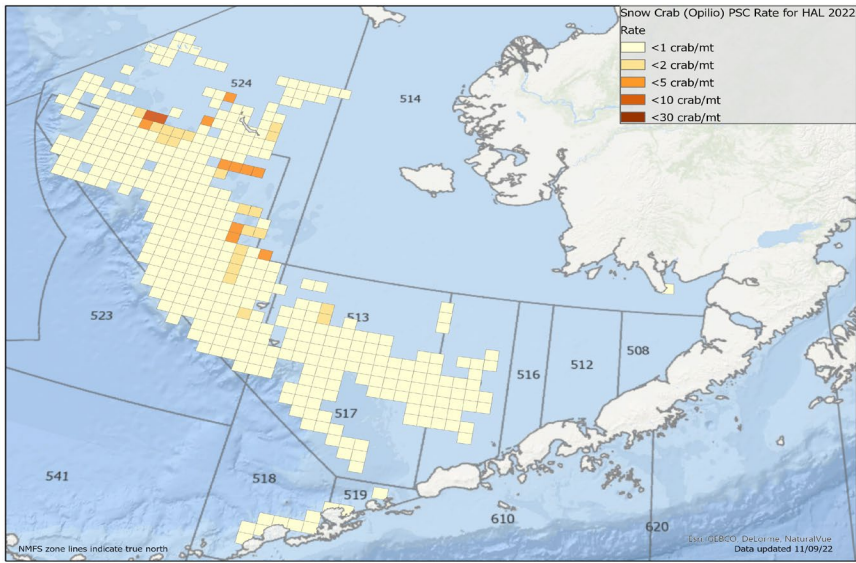
## Non-pelagic Trawl



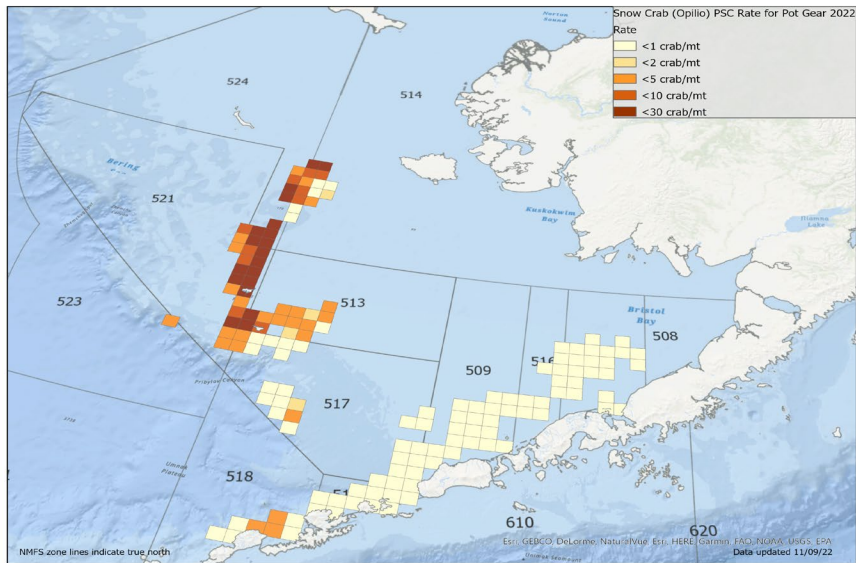
## Pelagic Trawl



## Hook-and-line



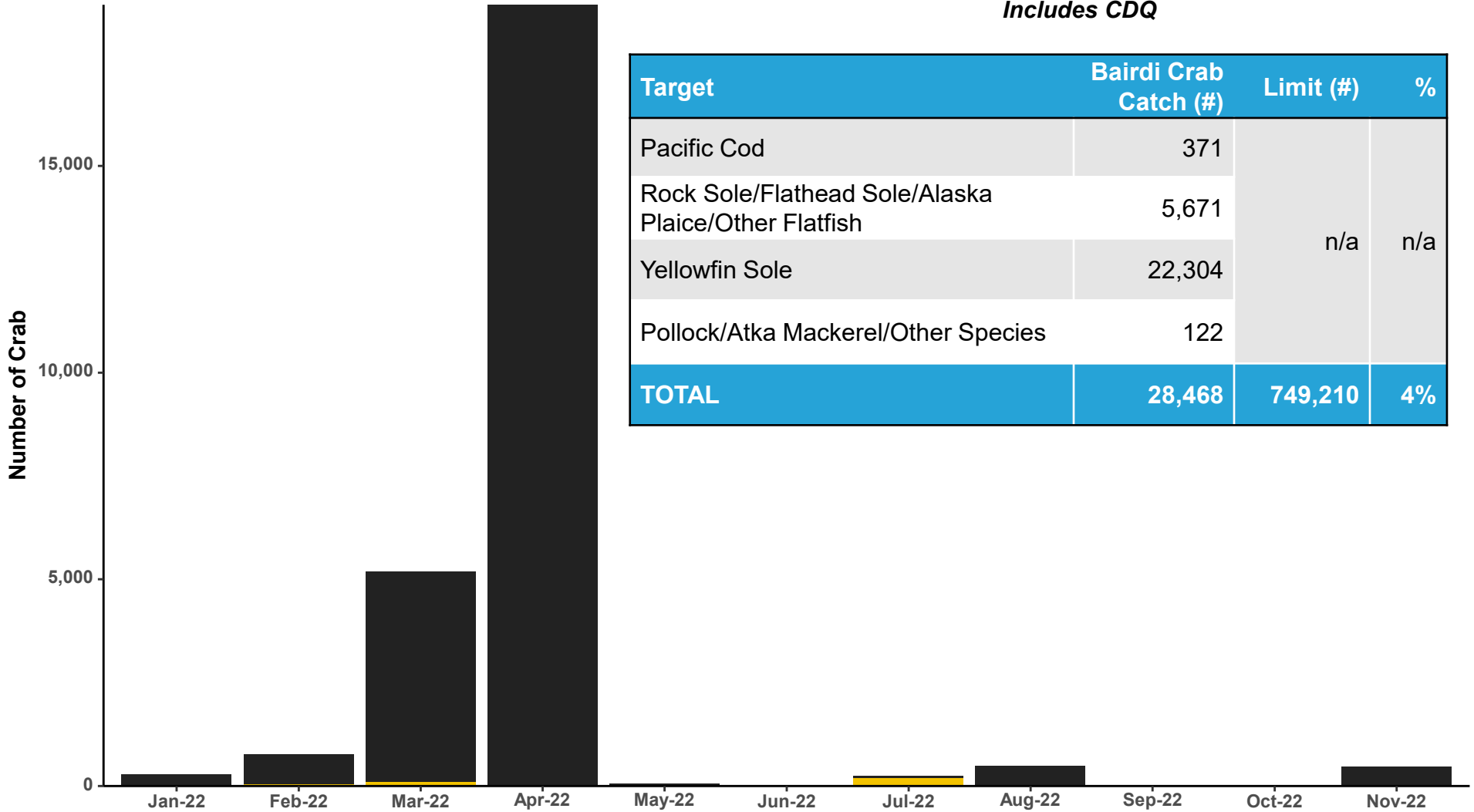
## Pot



# 2022 Zone 1 Trawl Bairdi Crab Incidental Catch by Target

Area  509  516

*Includes CDQ*

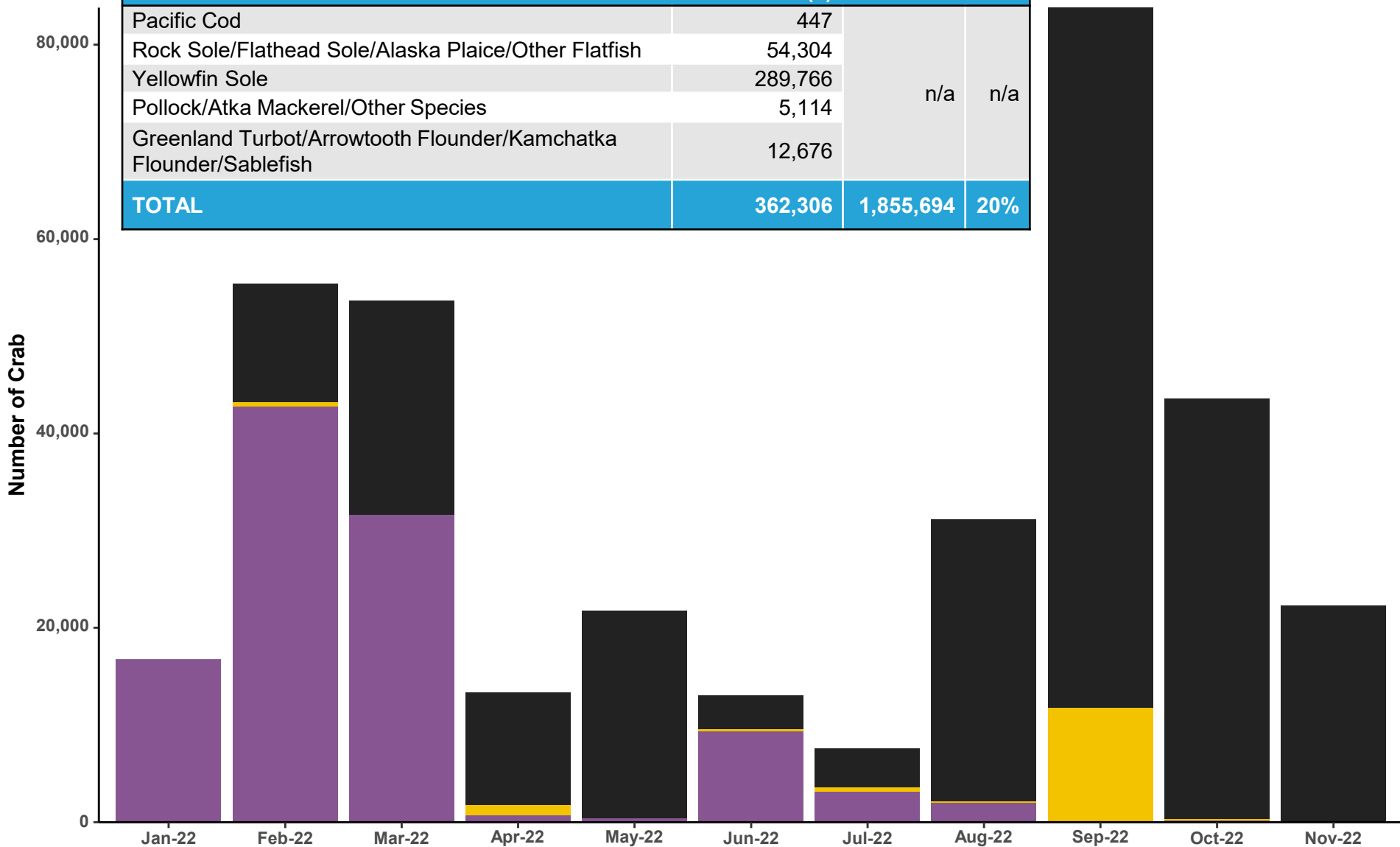


Target	Bairdi Crab Catch (#)	Limit (#)	%
Pacific Cod	371	n/a	n/a
Rock Sole/Flathead Sole/Alaska Plaice/Other Flatfish	5,671		
Yellowfin Sole	22,304		
Pollock/Atka Mackerel/Other Species	122		
<b>TOTAL</b>	<b>28,468</b>	<b>749,210</b>	<b>4%</b>

# 2022 Zone 2 Trawl Bairdi Crab Incidental Catch by Target

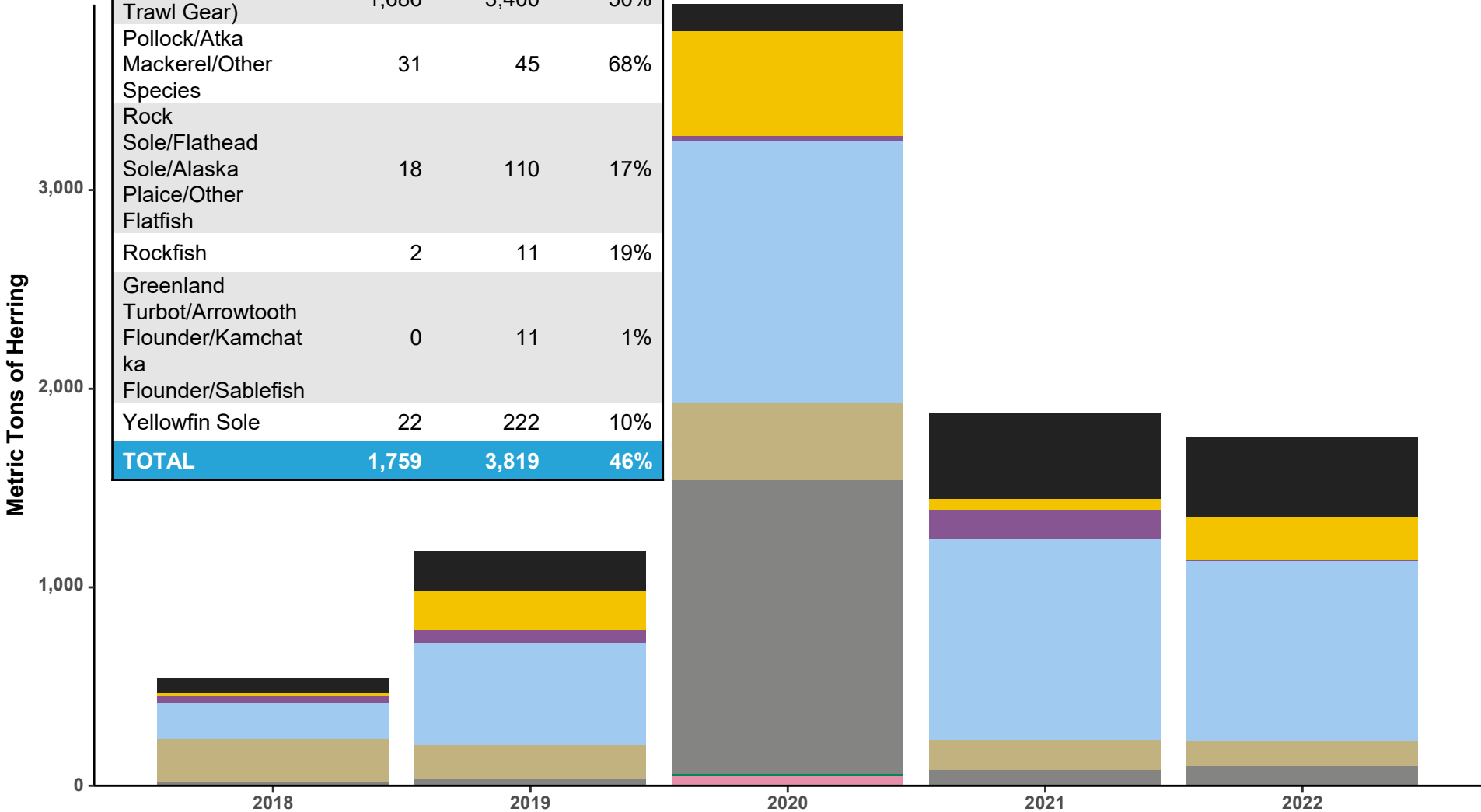
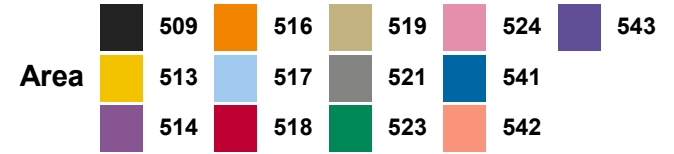
Area  513  517  521  
*Includes CDQ*

Target	Bairdi Crab Catch (#)	Limit (#)	%
Pacific Cod	447	n/a	n/a
Rock Sole/Flathead Sole/Alaska Plaice/Other Flatfish	54,304		
Yellowfin Sole	289,766		
Pollock/Atka Mackerel/Other Species	5,114		
Greenland Turbot/Arrowtooth Flounder/Kamchatka Flounder/Sablefish	12,676		
<b>TOTAL</b>	<b>362,306</b>		



# 2018-2022 BSAI Trawl Herring Incidental Catch

Target	Herring Catch (mt)	Limit (mt)	%
Pacific Cod	0	20	0%
Pollock (Pelagic Trawl Gear)	1,686	3,400	50%
Pollock/Atka Mackerel/Other Species	31	45	68%
Rock Sole/Flathead Sole/Alaska Plaice/Other Flatfish	18	110	17%
Rockfish	2	11	19%
Greenland Turbot/Arrowtooth Flounder/Kamchatka Flounder/Sablefish	0	11	1%
Yellowfin Sole	22	222	10%
<b>TOTAL</b>	<b>1,759</b>	<b>3,819</b>	<b>46%</b>

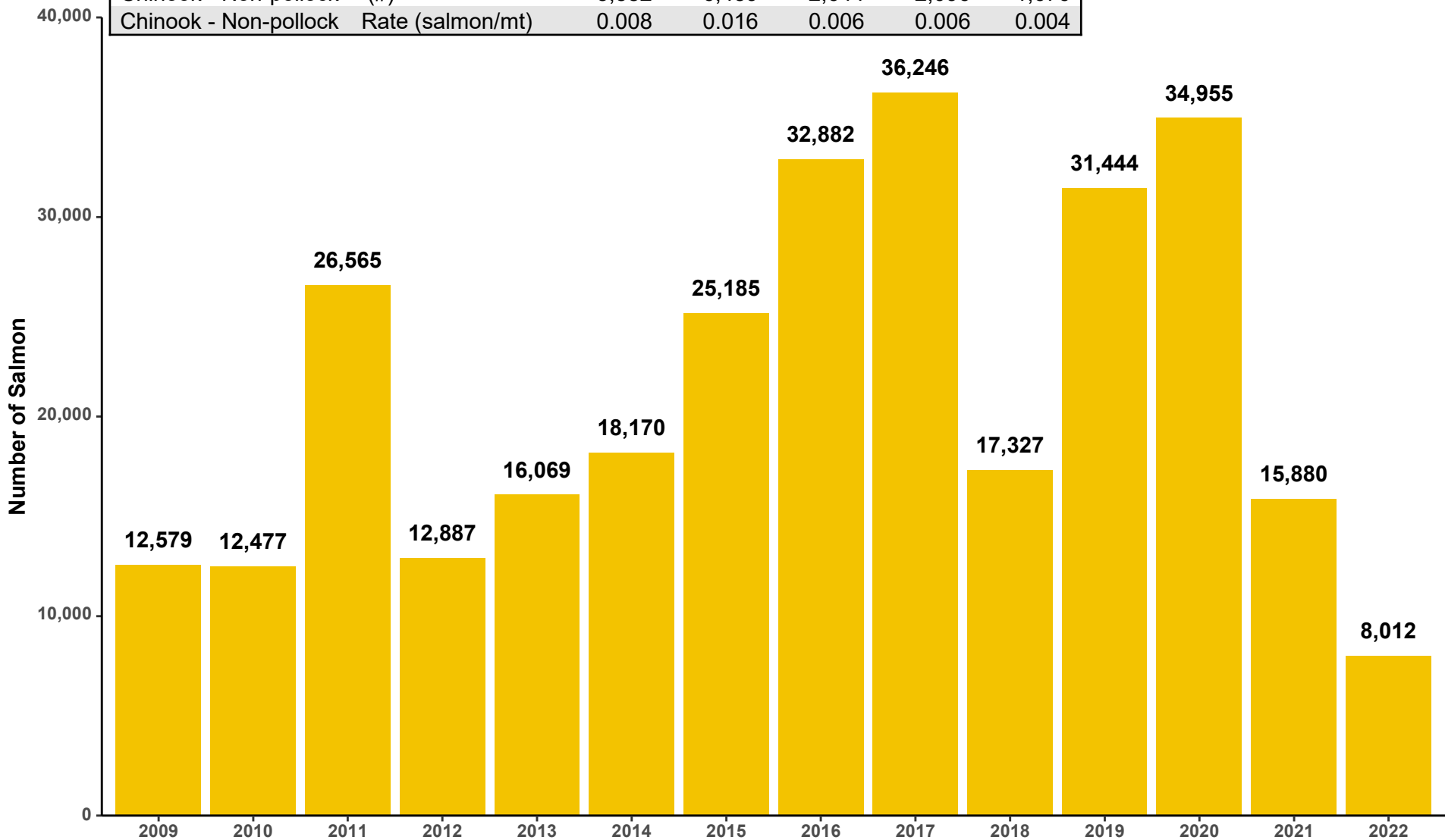




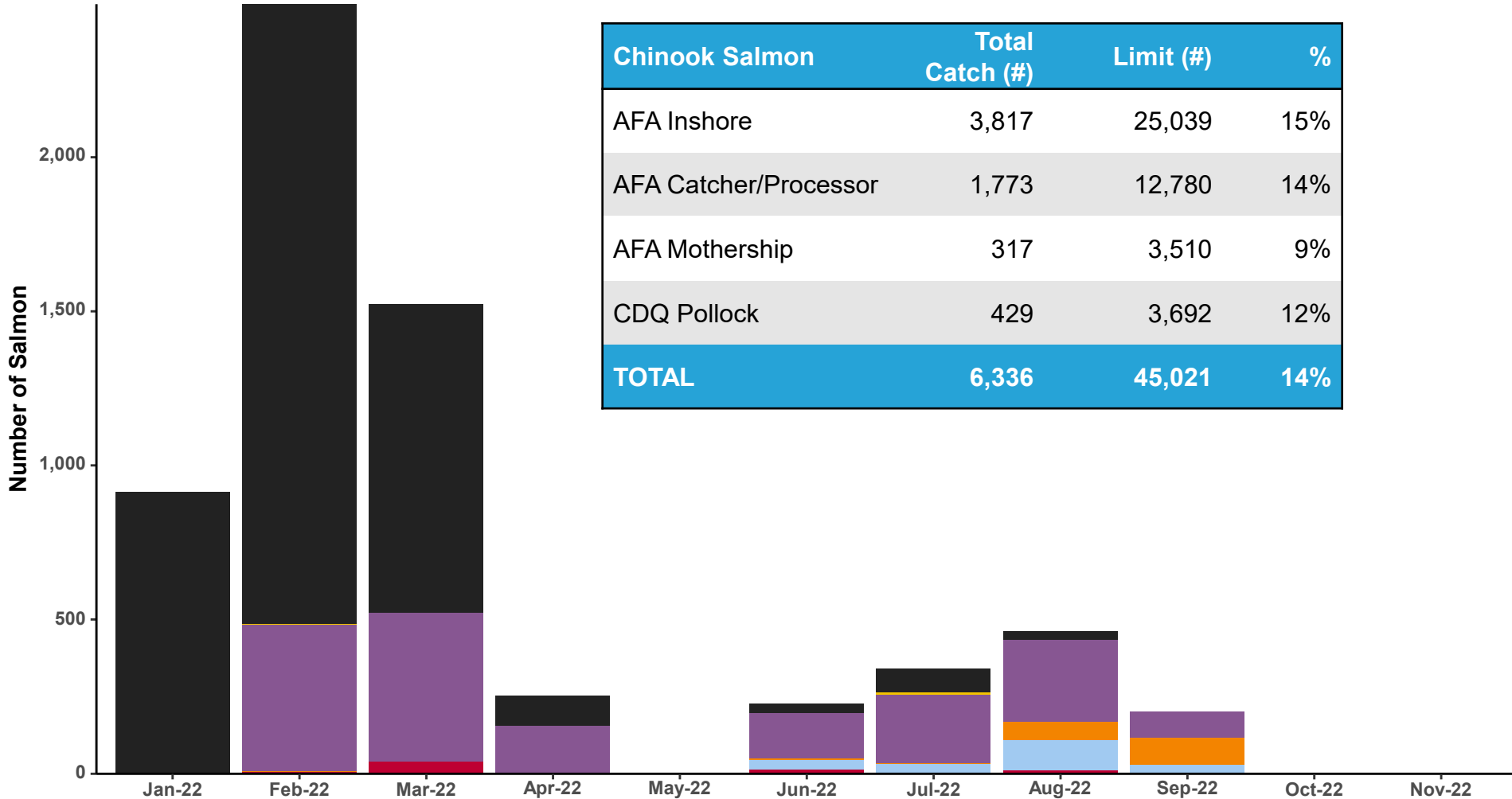
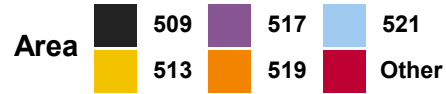
# BSAI Trawl Chinook Salmon Incidental Catch

Chinook Salmon		2018	2019	2020	2021	2022
Chinook - Pollock	(#)	13,745	24,985	32,312	13,784	6,336
Chinook - Pollock	Rate (salmon/mt)	0.01	0.018	0.024	0.01	0.006
Chinook - Non-pollock	(#)	3,582	6,459	2,644	2,096	1,676
Chinook - Non-pollock	Rate (salmon/mt)	0.008	0.016	0.006	0.006	0.004

■ Chinook Salmon

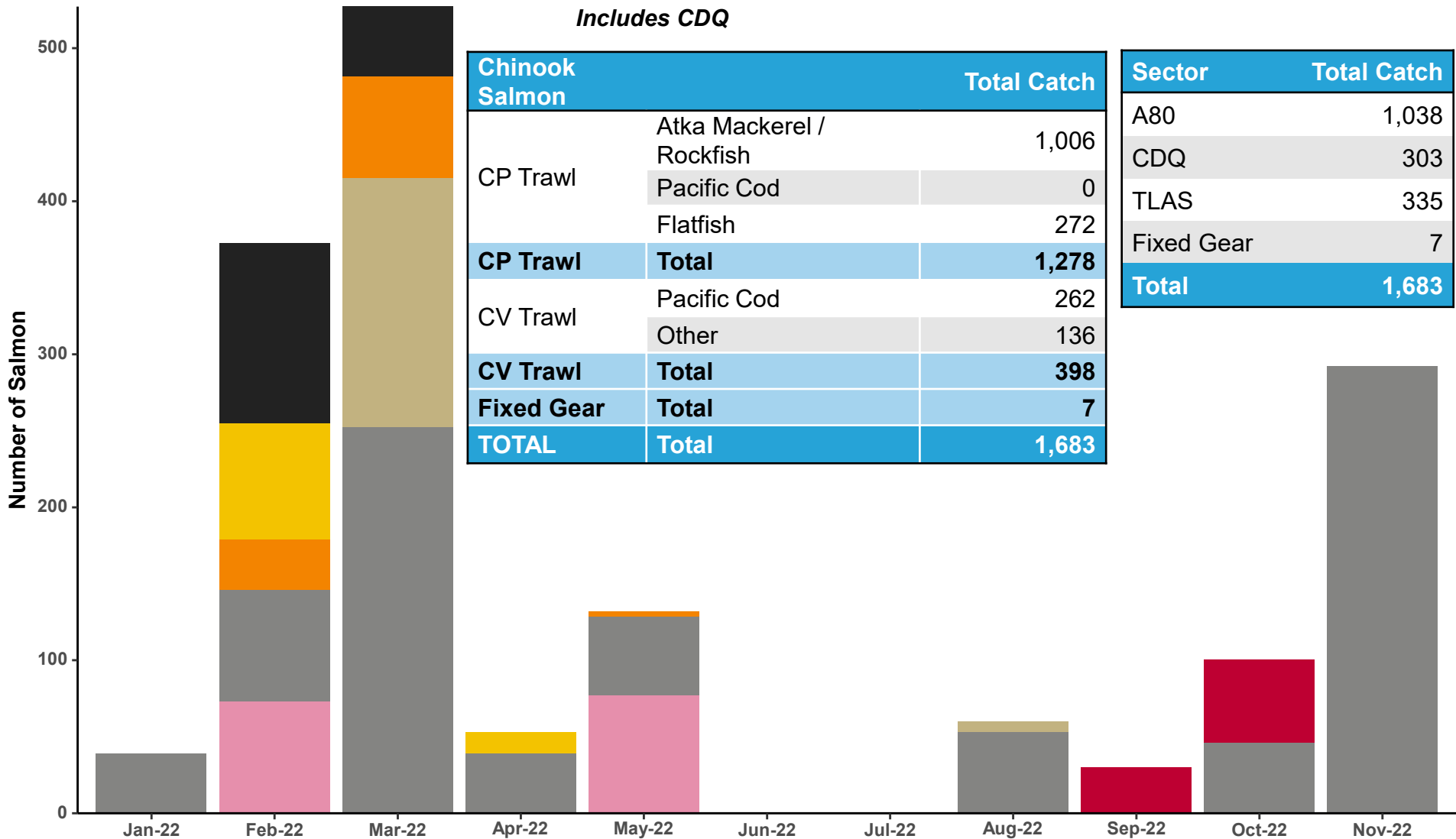
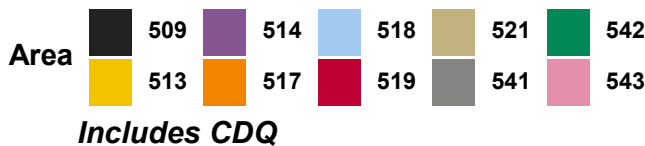


# 2022 BSAI Pollock Fishery Chinook Salmon Incidental Catch



Chinook Salmon	Total Catch (#)	Limit (#)	%
AFA Inshore	3,817	25,039	15%
AFA Catcher/Processor	1,773	12,780	14%
AFA Mothership	317	3,510	9%
CDQ Pollock	429	3,692	12%
<b>TOTAL</b>	<b>6,336</b>	<b>45,021</b>	<b>14%</b>

# 2022 Non-Pollock Fishery Chinook Salmon Incidental Catch by Fishery and Sector



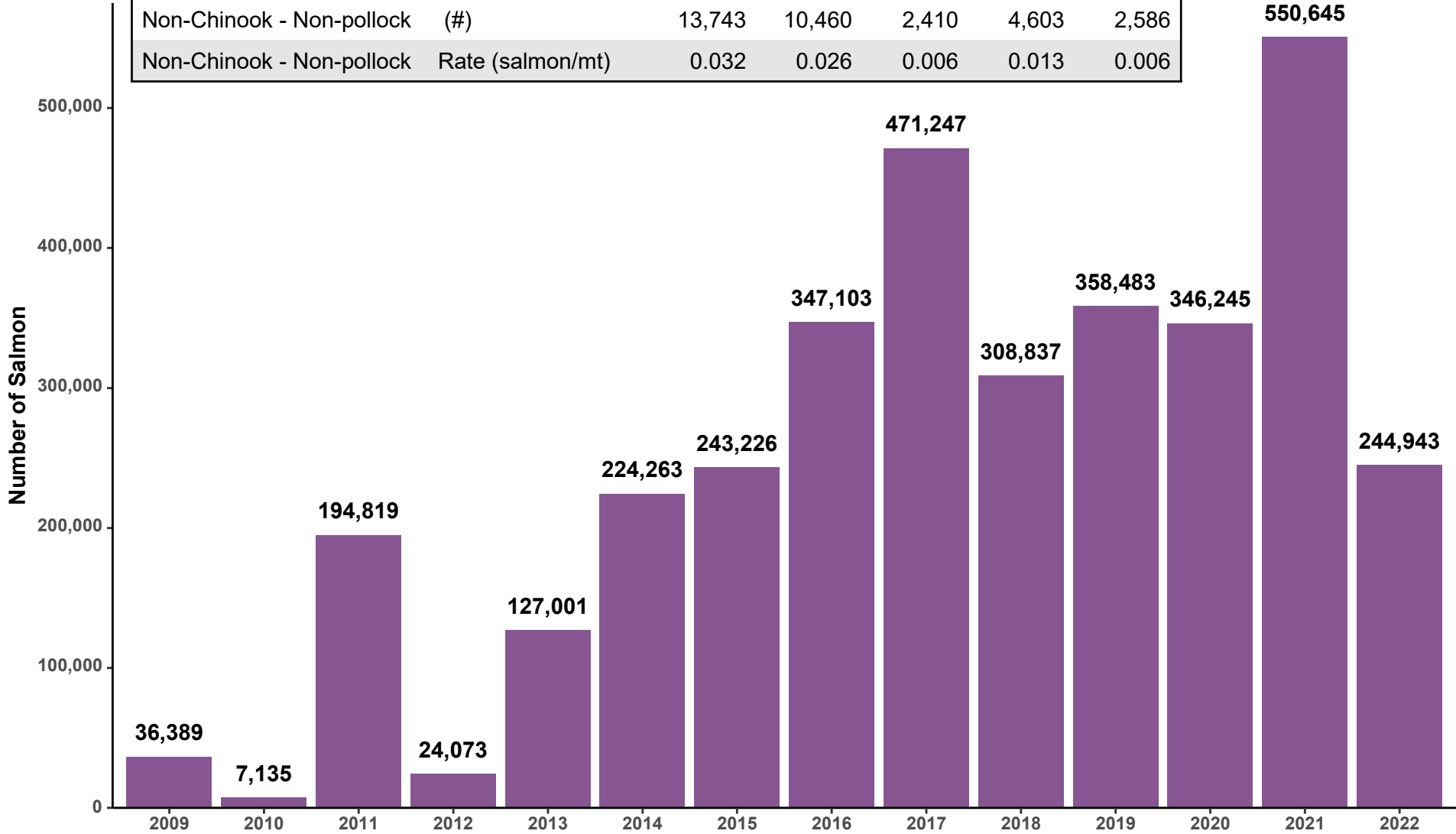
Chinook Salmon		Total Catch
CP Trawl	Atka Mackerel / Rockfish	1,006
	Pacific Cod	0
	Flatfish	272
<b>CP Trawl</b>	<b>Total</b>	<b>1,278</b>
CV Trawl	Pacific Cod	262
	Other	136
<b>CV Trawl</b>	<b>Total</b>	<b>398</b>
<b>Fixed Gear</b>	<b>Total</b>	<b>7</b>
<b>TOTAL</b>	<b>Total</b>	<b>1,683</b>

Sector	Total Catch
A80	1,038
CDQ	303
TLAS	335
Fixed Gear	7
<b>Total</b>	<b>1,683</b>

# 2022 BSAI Trawl Non-Chinook Salmon Incidental Catch

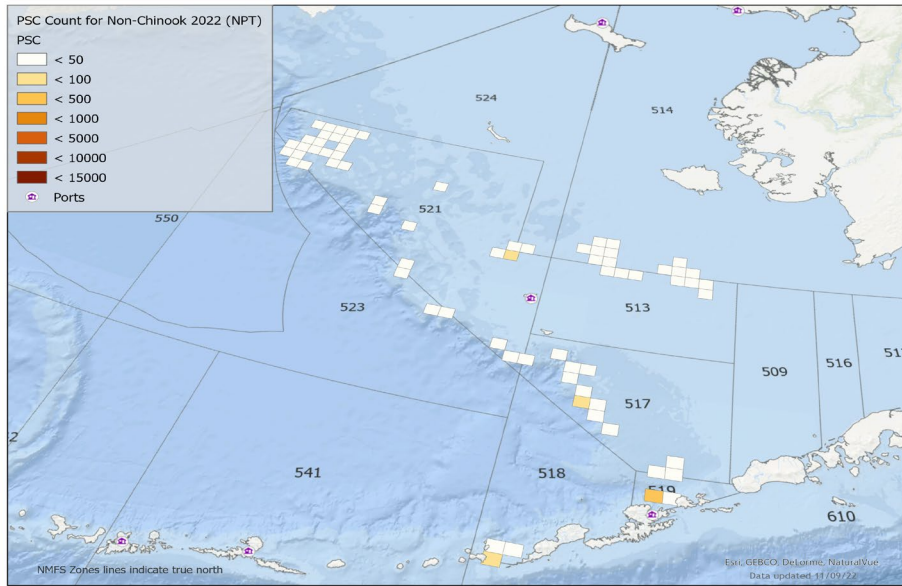
Non-Chinook Salmon		2018	2019	2020	2021	2022
Non-Chinook - Pollock	(#)	295,094	348,023	343,836	546,042	242,357
Non-Chinook - Pollock	Rate (salmon/mt)	0.219	0.251	0.256	0.403	0.227
Non-Chinook - Non-pollock	(#)	13,743	10,460	2,410	4,603	2,586
Non-Chinook - Non-pollock	Rate (salmon/mt)	0.032	0.026	0.006	0.013	0.006

■ Non-Chinook Salmon

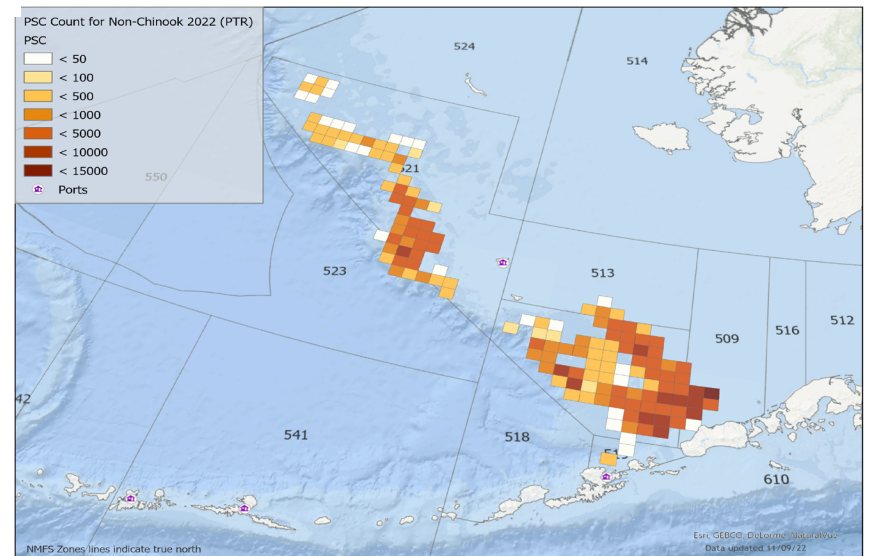


# 2022 Trawl Non-Chinook Salmon Incidental Catch

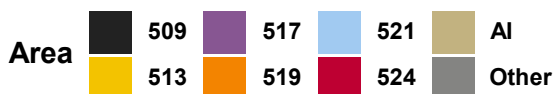
## Non-pelagic Trawl



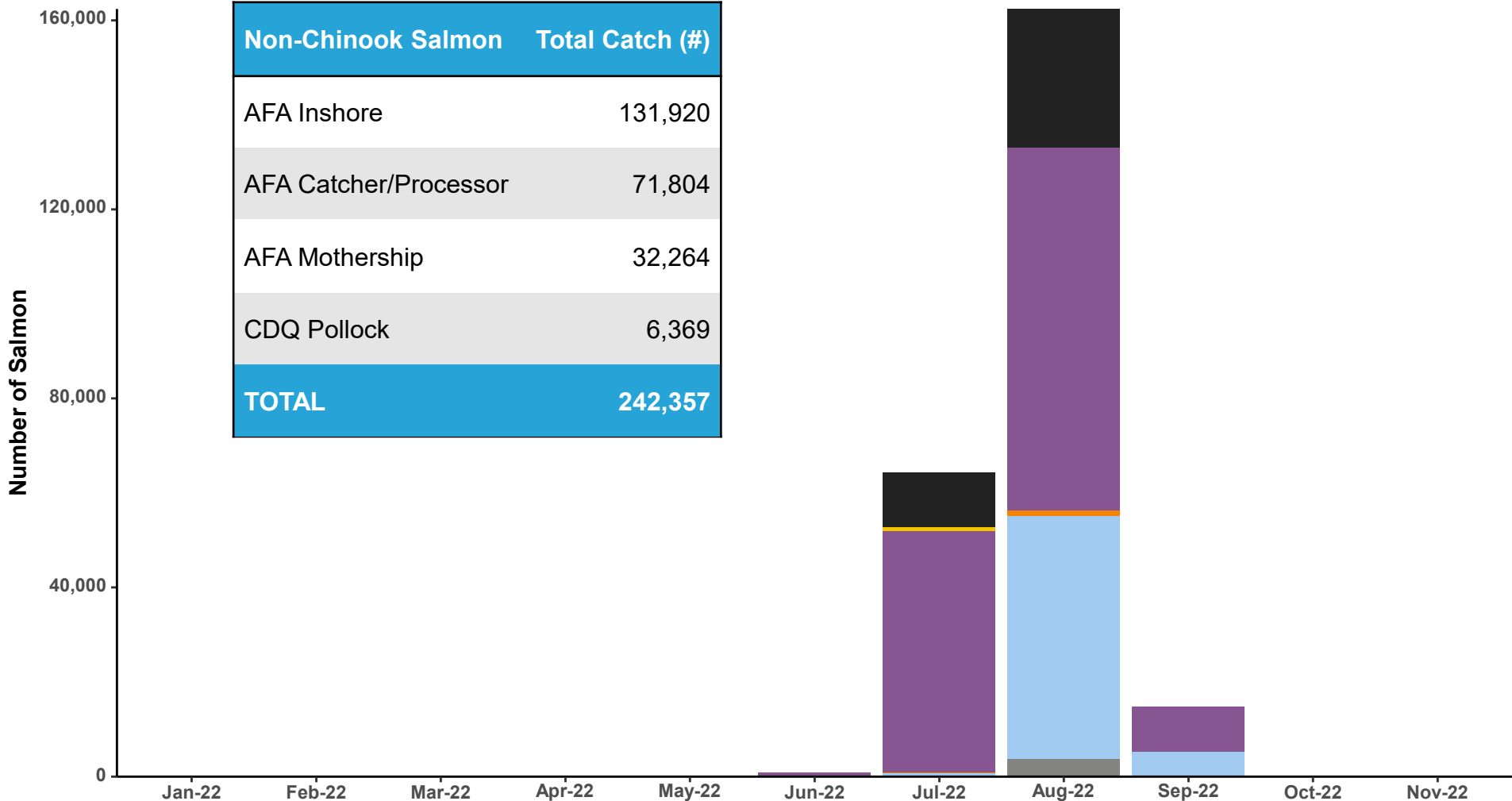
## Pelagic Trawl



# 2022 BSAI Pollock Fishery Non-Chinook Salmon Incidental Catch



Non-Chinook Salmon	Total Catch (#)
AFA Inshore	131,920
AFA Catcher/Processor	71,804
AFA Mothership	32,264
CDQ Pollock	6,369
<b>TOTAL</b>	<b>242,357</b>

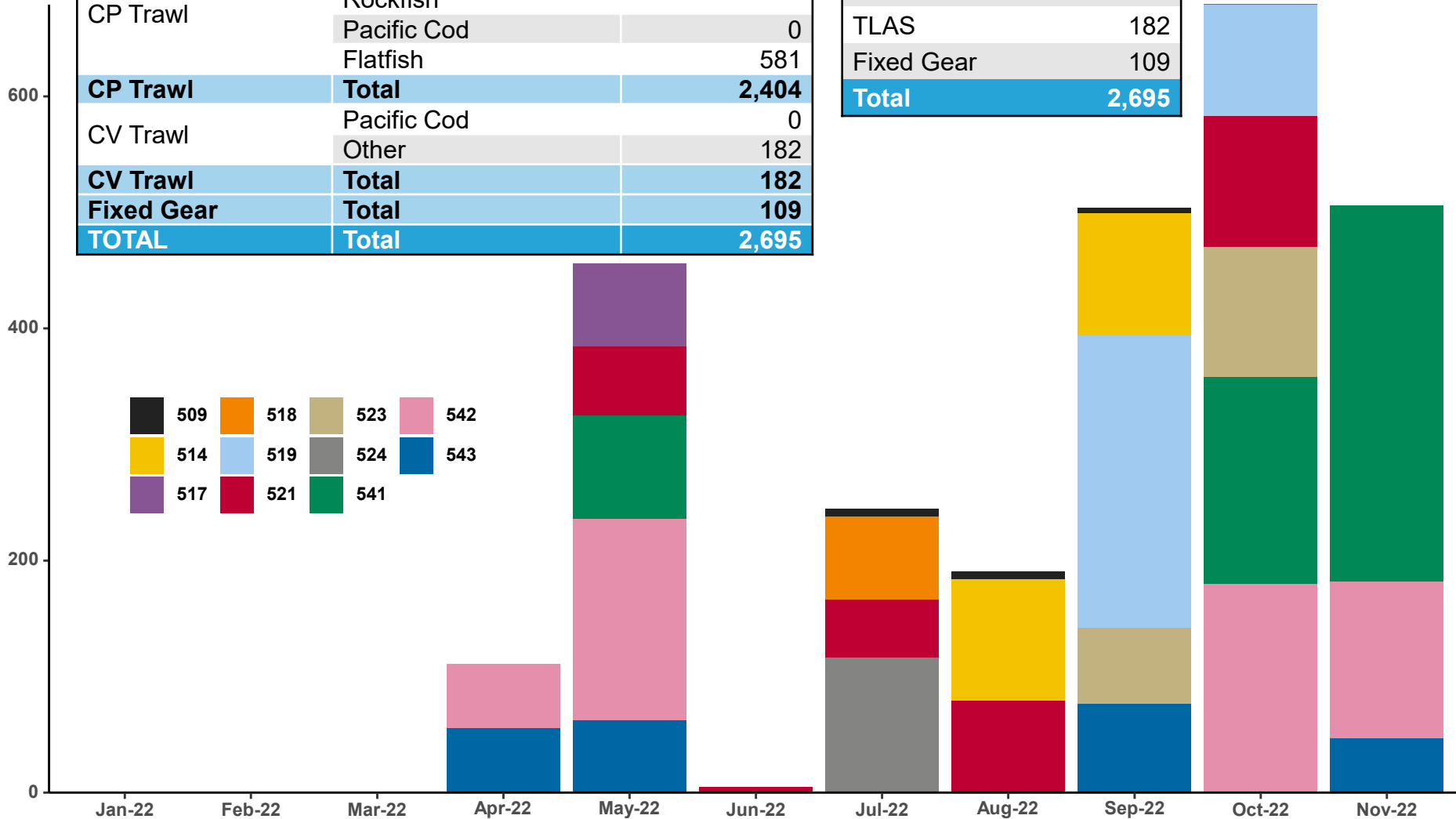


# 2022 BSAI Non-Pollock Non-Chinook Salmon Incidental Catch by Fishery and Sector

Non-Chinook Salmon		Total Catch
CP Trawl	Atka Mackerel / Rockfish	1,823
	Pacific Cod	0
	Flatfish	581
<b>CP Trawl</b>	<b>Total</b>	<b>2,404</b>
CV Trawl	Pacific Cod	0
	Other	182
<b>CV Trawl</b>	<b>Total</b>	<b>182</b>
<b>Fixed Gear</b>	<b>Total</b>	<b>109</b>
<b>TOTAL</b>	<b>Total</b>	<b>2,695</b>

Sector	Total Catch
A80	2,404
CDQ	0
TLAS	182
Fixed Gear	109
<b>Total</b>	<b>2,695</b>

Number of Salmon



# Acknowledgements

## BSAI and GOA

### Industry Reports:

#### Catcher Vessels

- 992 unique vessels with approximately 10,660 landings to 63 unique processors

#### Catcher/Processors

- 58 unique vessels fishing approximately 9,357 vessel days

#### Observer Program

- FMA staff
- All observers

#### Elandings Team

- NMFS, ADF&G, IPHC, and Enforcement

#### Inseason Staff

- Mary Furuness
- Obren Davis
- Kurt Iverson
- Krista Milani (Dutch Harbor)
- Steve Whitney
- Abby Jahn

#### Information Services Staff

- Antigone Goetz
- Application Development Staff
- Contractors

#### Permits Staff

- Restricted Access Management

#### Catch Analysis Staff

- Jennifer Mondragon
- Jason Gasper
- Phil Ganz
- Cathy Tide
- Steve Lewis

#### Monitoring Staff

- Josh Keaton
- Bill Donaldson (Kodiak)
- Maggie Chan
- Amy Hadfield
- Melanie Rickett

#### Pacific State Marine Fisheries Commission

- EM reviewers

#### Operations Staff

- Allyson Olds