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Alaska Region

BSAI Inseason Management Report

December 2020

Catch data are through November 16, 2020

Management reports can be found at:

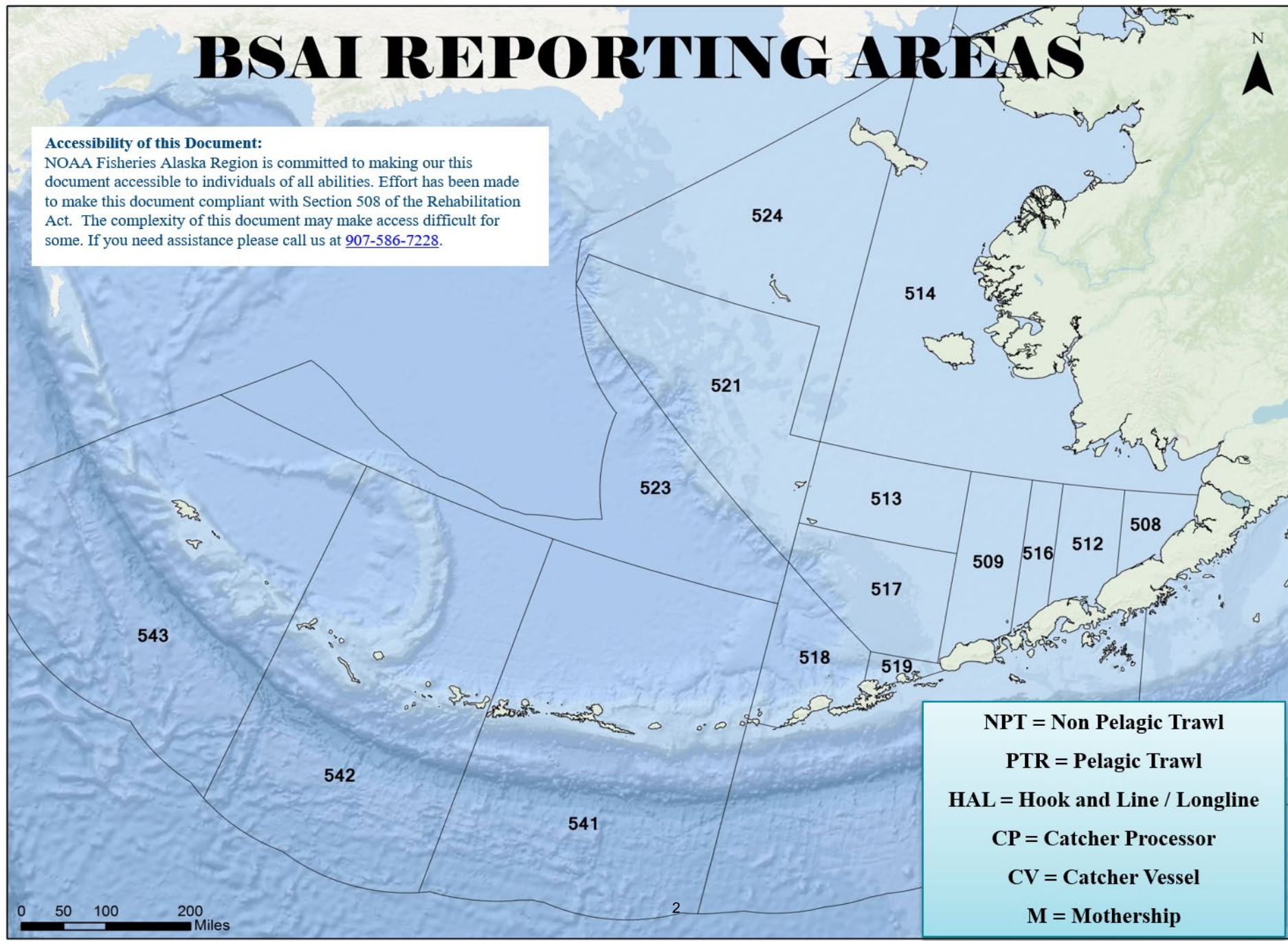
<https://www.fisheries.noaa.gov/alaska/sustainable-fisheries/alaska-fisheries-management-reports>

BSAI REPORTING AREAS



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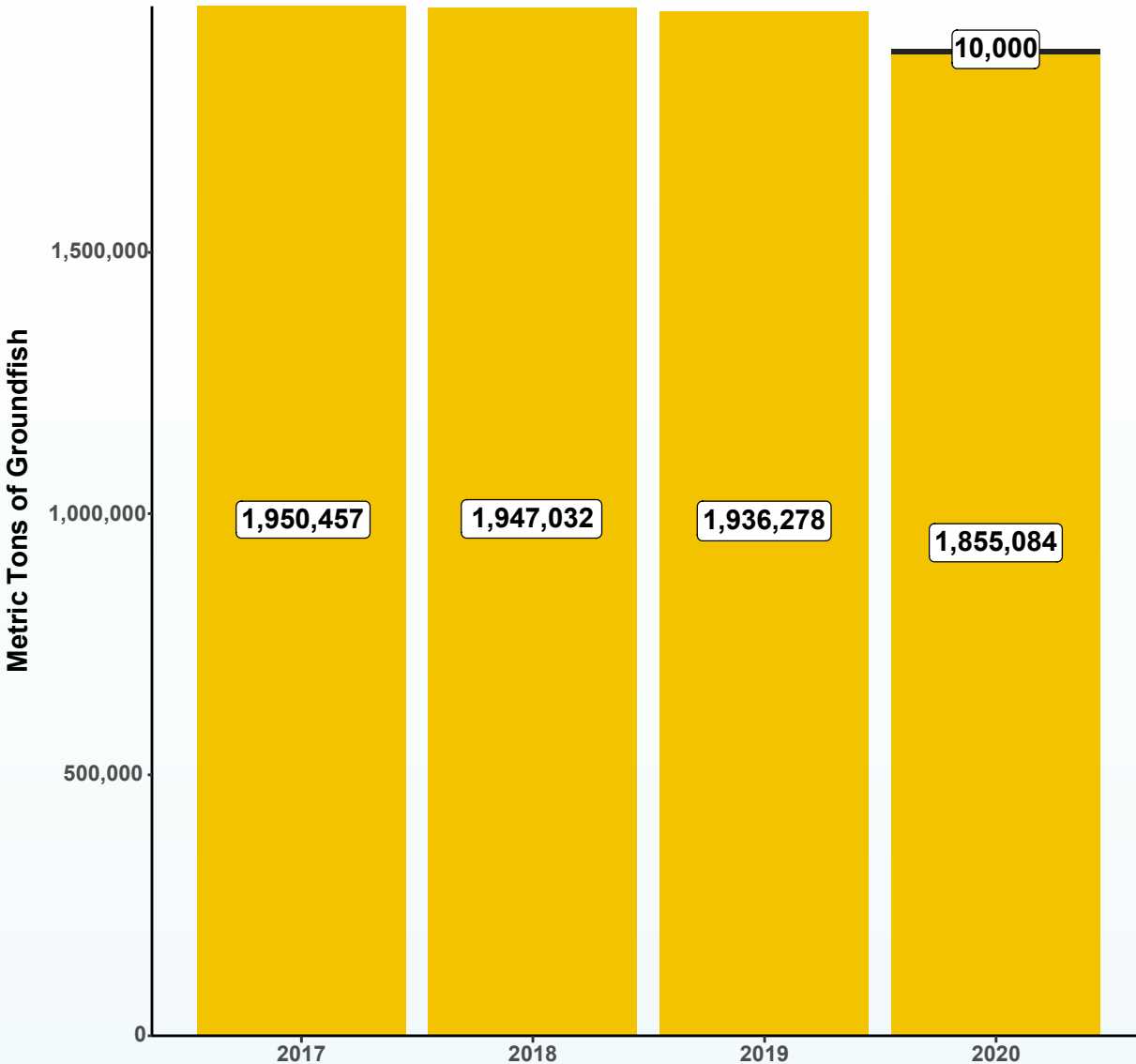
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NPT = Non Pelagic Trawl
PTR = Pelagic Trawl
HAL = Hook and Line / Longline
CP = Catcher Processor
CV = Catcher Vessel
M = Mothership

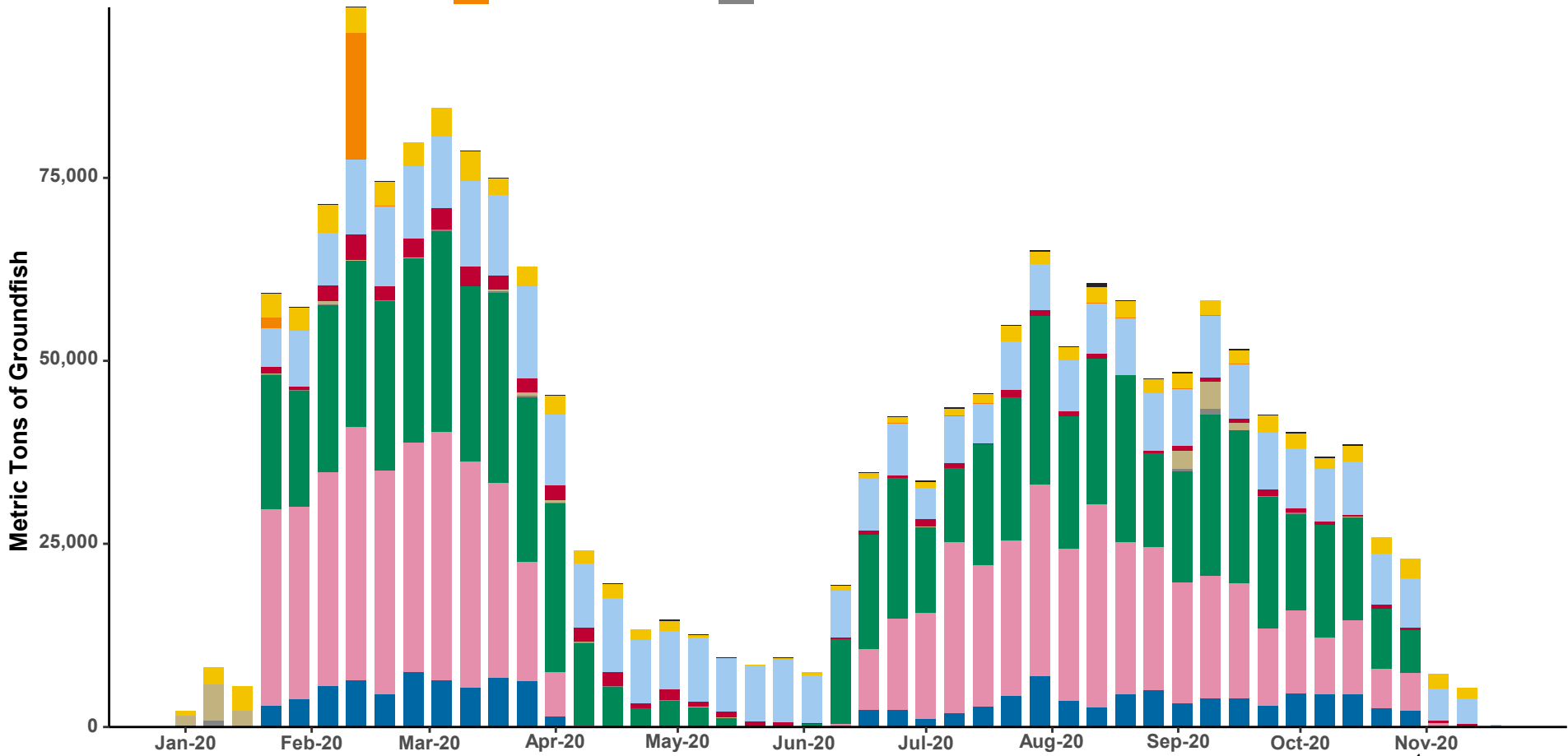
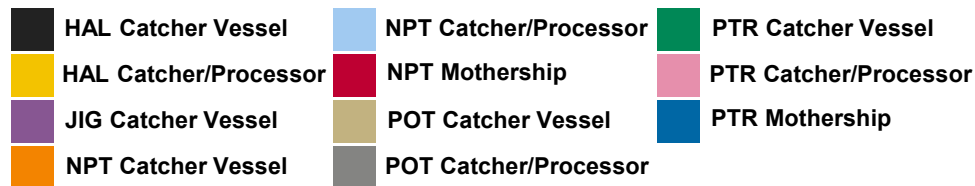
2017-2020 BSAI Total Catch

■ Total Catch
 ■ Anticipated Catch

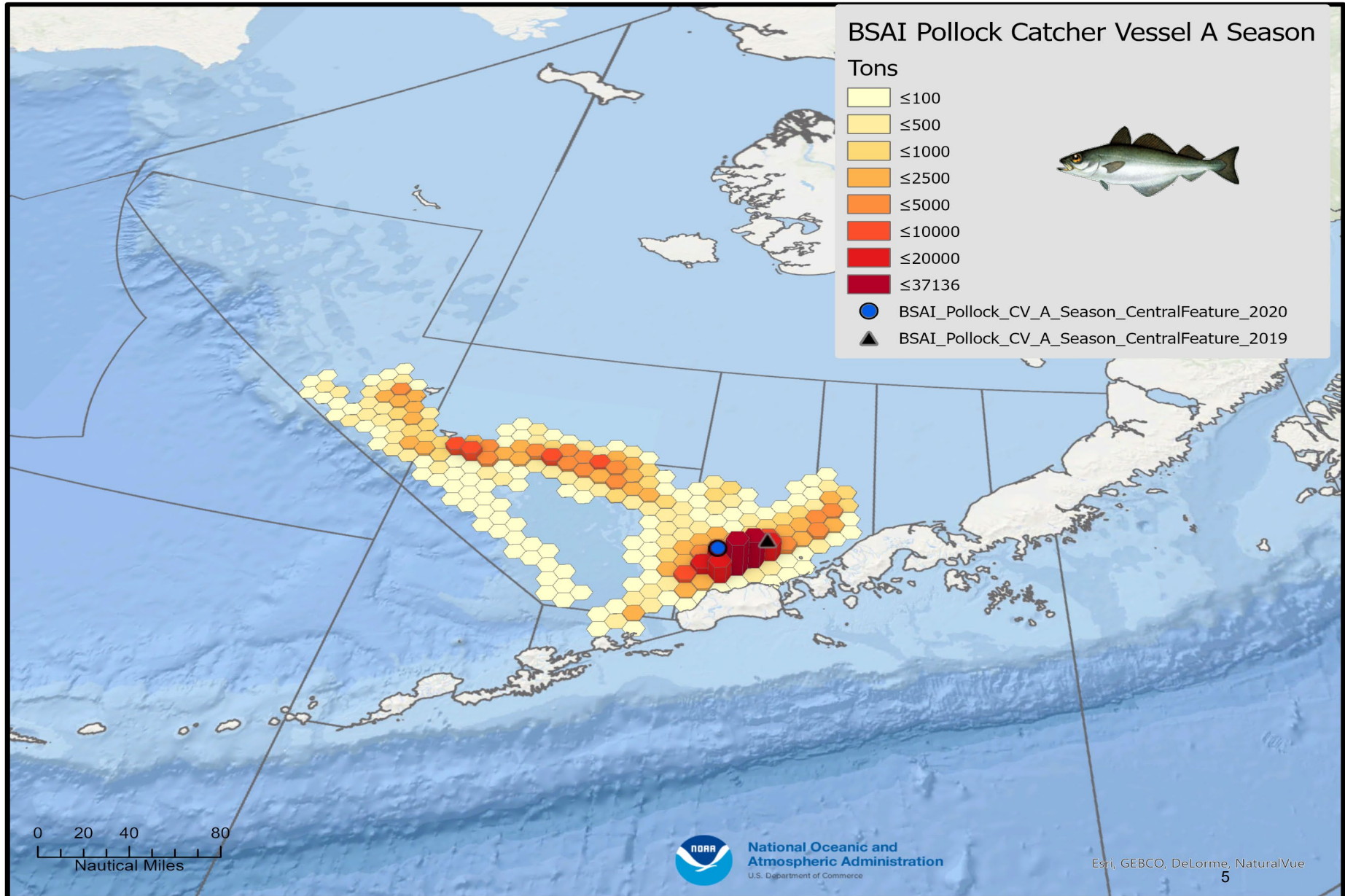


2017 TAC	2,000,000
Total Catch	1,950,457
Remaining TAC	49,543
2018 TAC	2,000,000
Total Catch	1,947,032
Remaining TAC	52,968
2019 TAC	2,000,000
Total Catch	1,936,278
Remaining TAC	63,722
2020 TAC	2,000,000
Total Catch	1,855,084
Projected Catch	10,000
Total Catch with Projected Catch	1,865,084
Remaining TAC	134,916

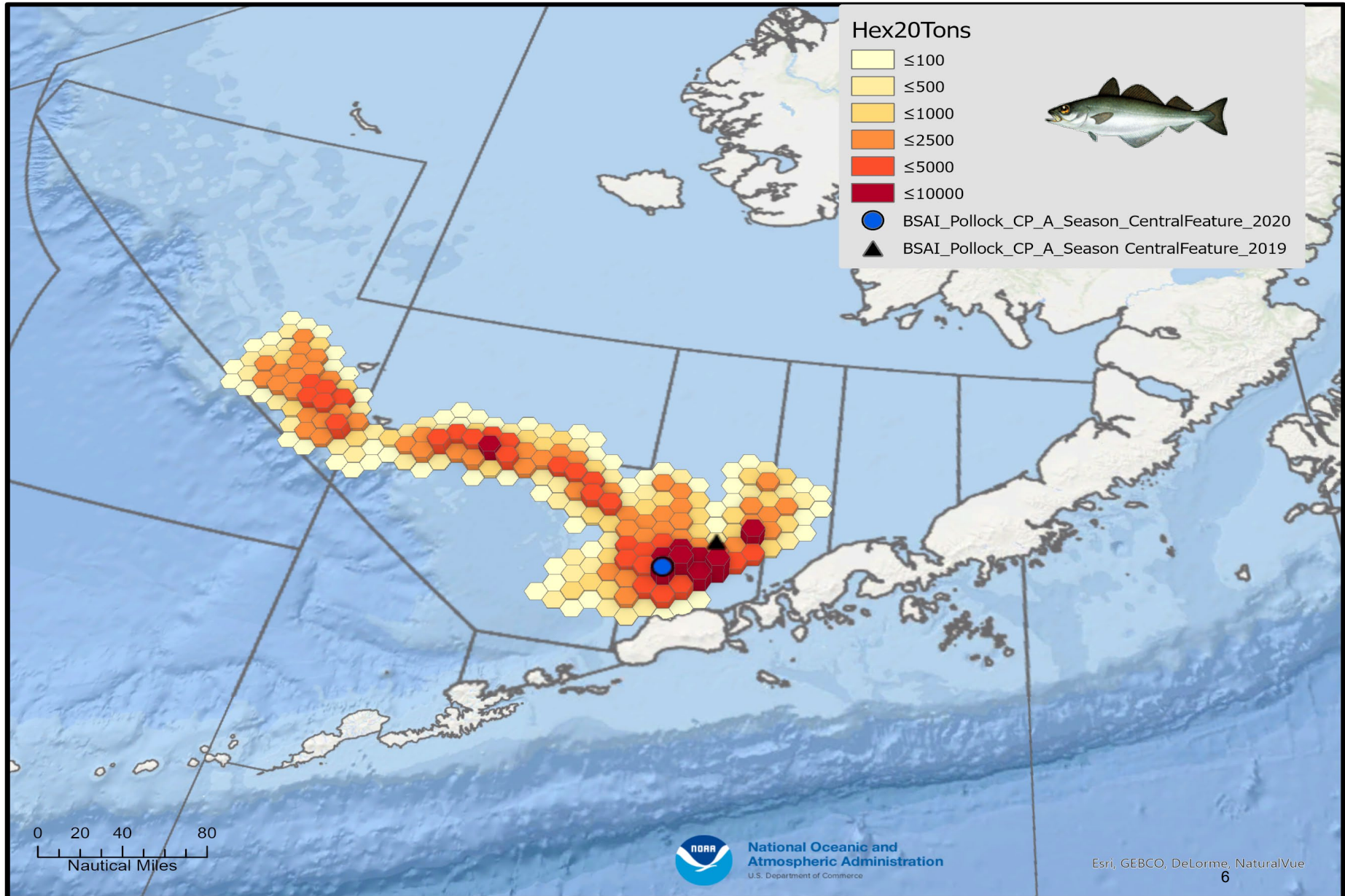
2020 BSAI Total Groundfish Catch by Gear & Sector



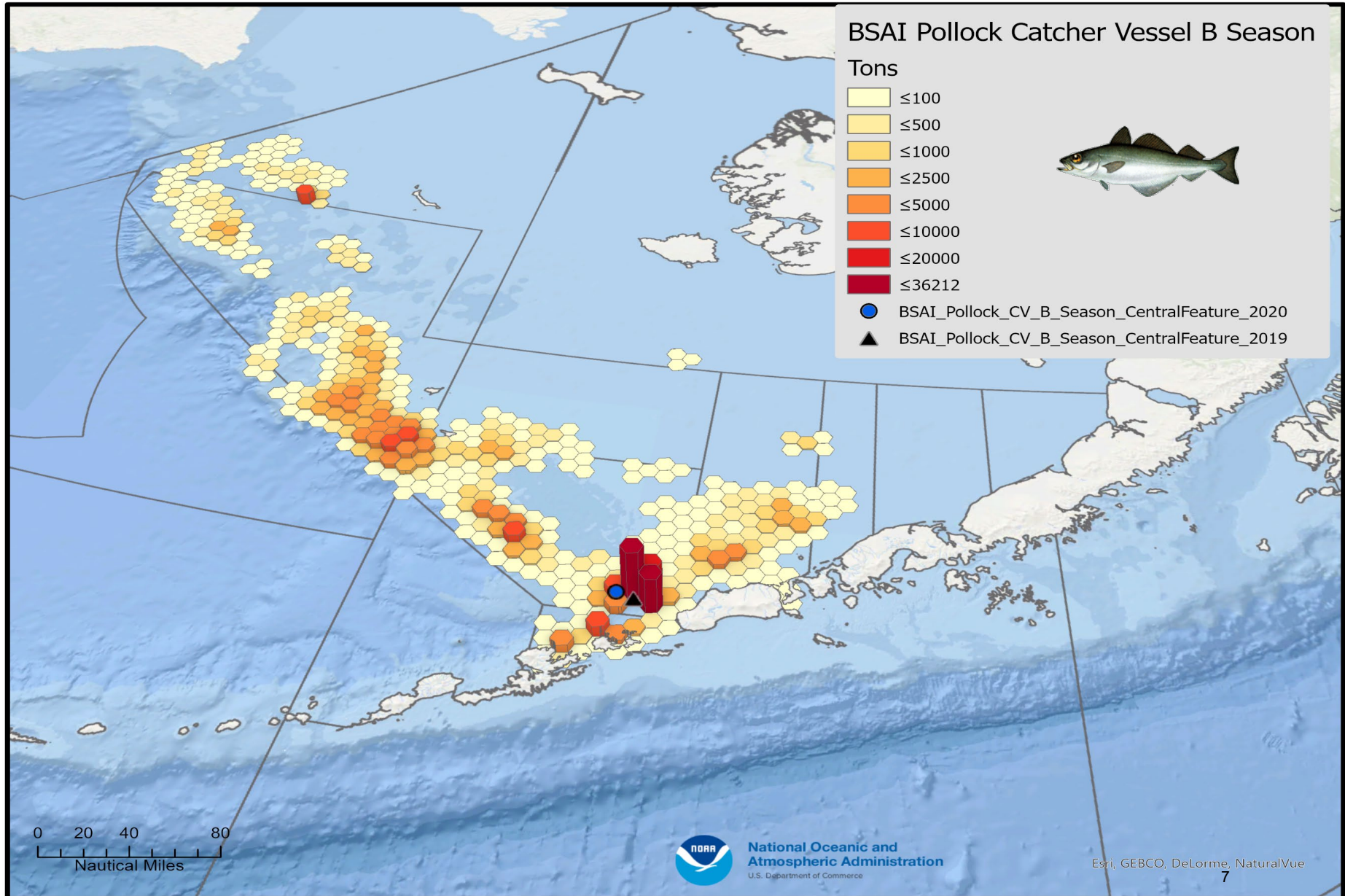
2020 A Season Bering Sea Pollock Directed Fishery (CV)



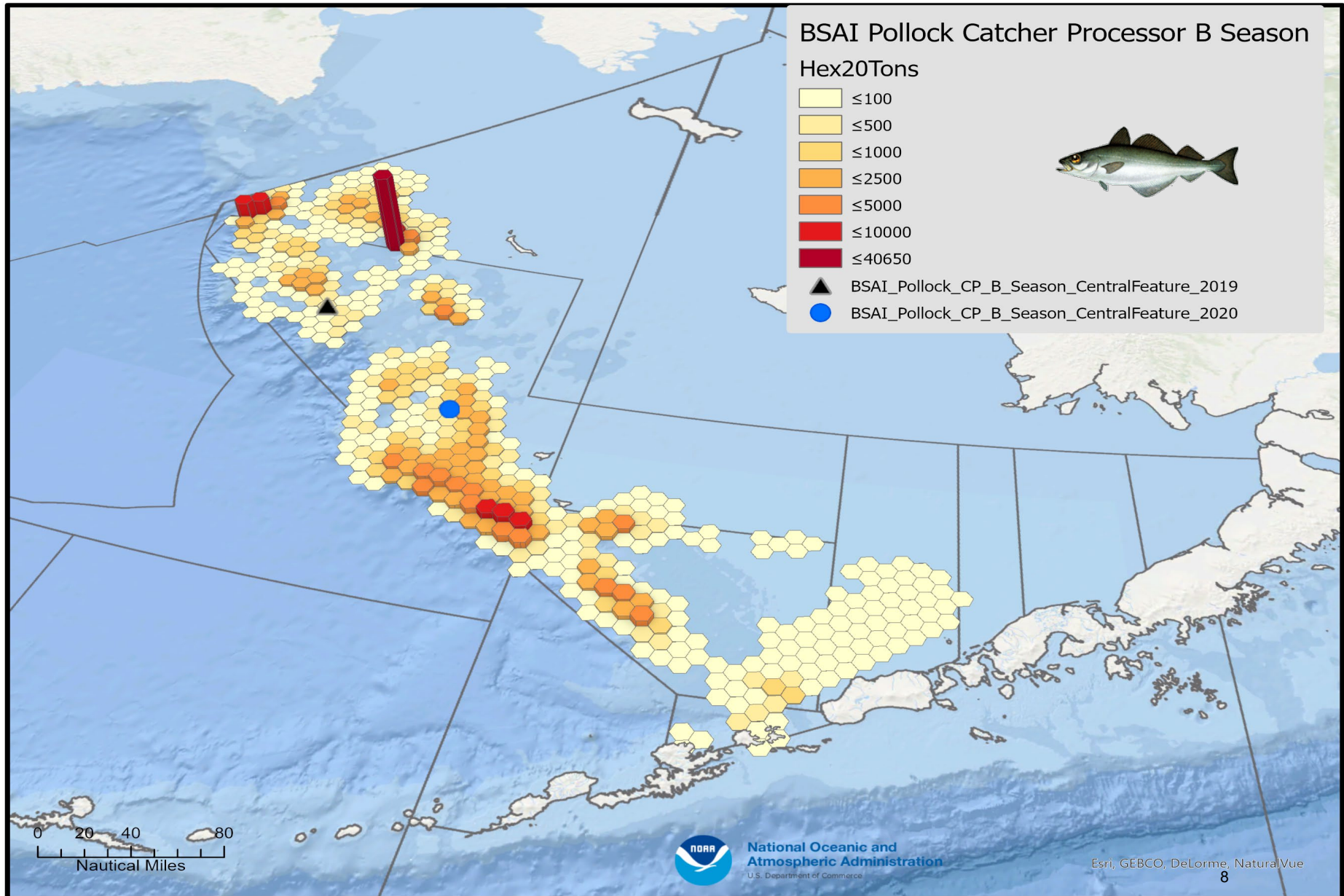
2020 A Season Bering Sea Pollock Directed Fishery (CP)



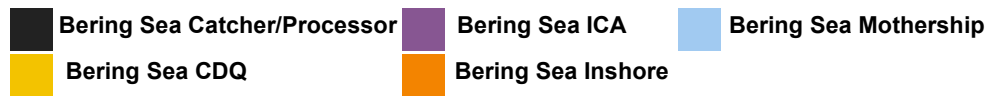
2020 B Season Bering Sea Pollock Directed Fishery (CV)



2020 B Season Bering Sea Pollock Directed Fishery (CP)

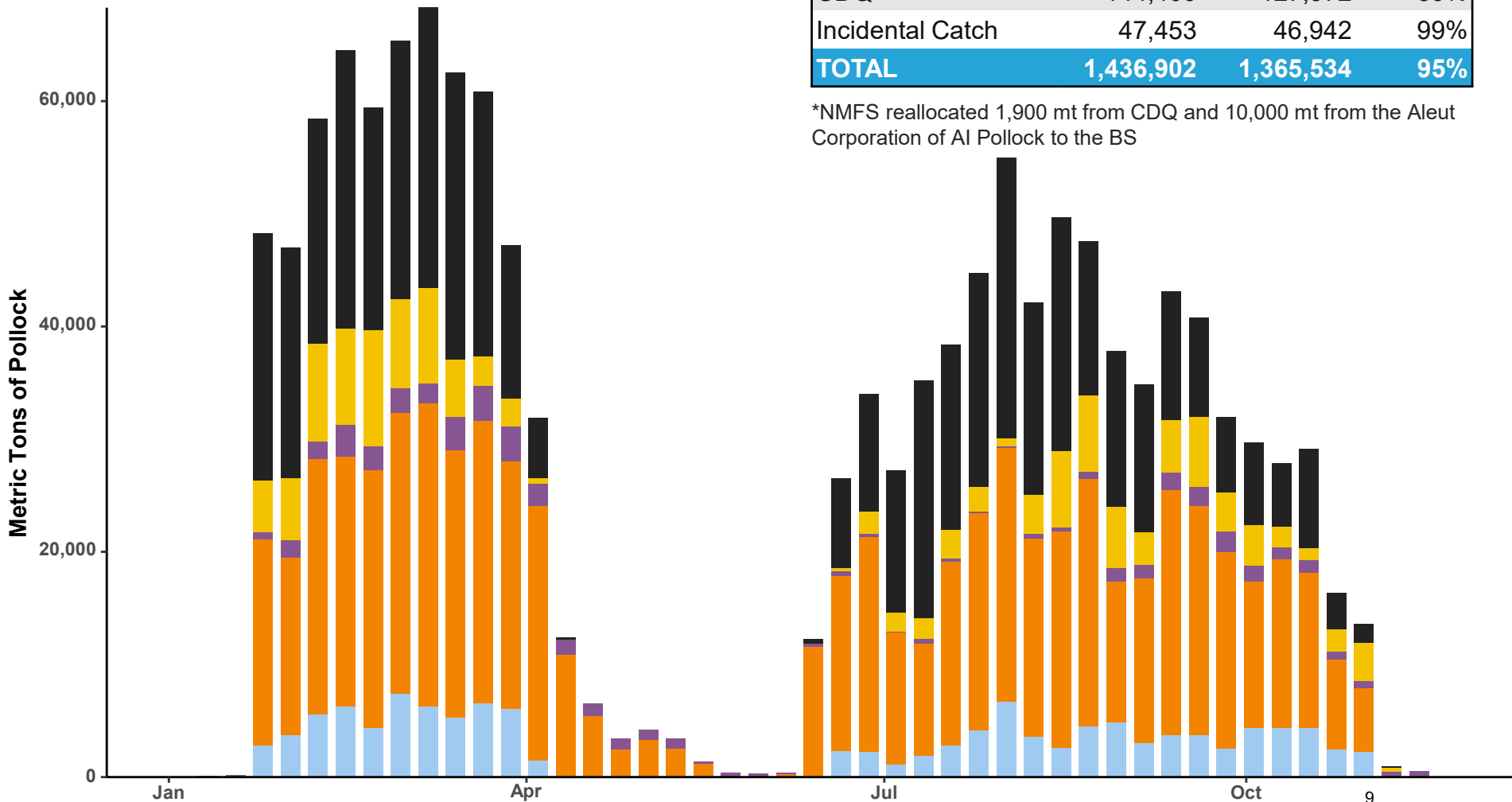


2020 Bering Sea Pollock Catch by Week and Sector



2020	TAC (mt)	Catch (mt)	%
Inshore*	622,525	599,620	96%
Catcher/Processor*	498,019	468,607	94%
Mothership*	124,505	122,393	98%
CDQ*	144,400	127,972	89%
Incidental Catch	47,453	46,942	99%
TOTAL	1,436,902	1,365,534	95%

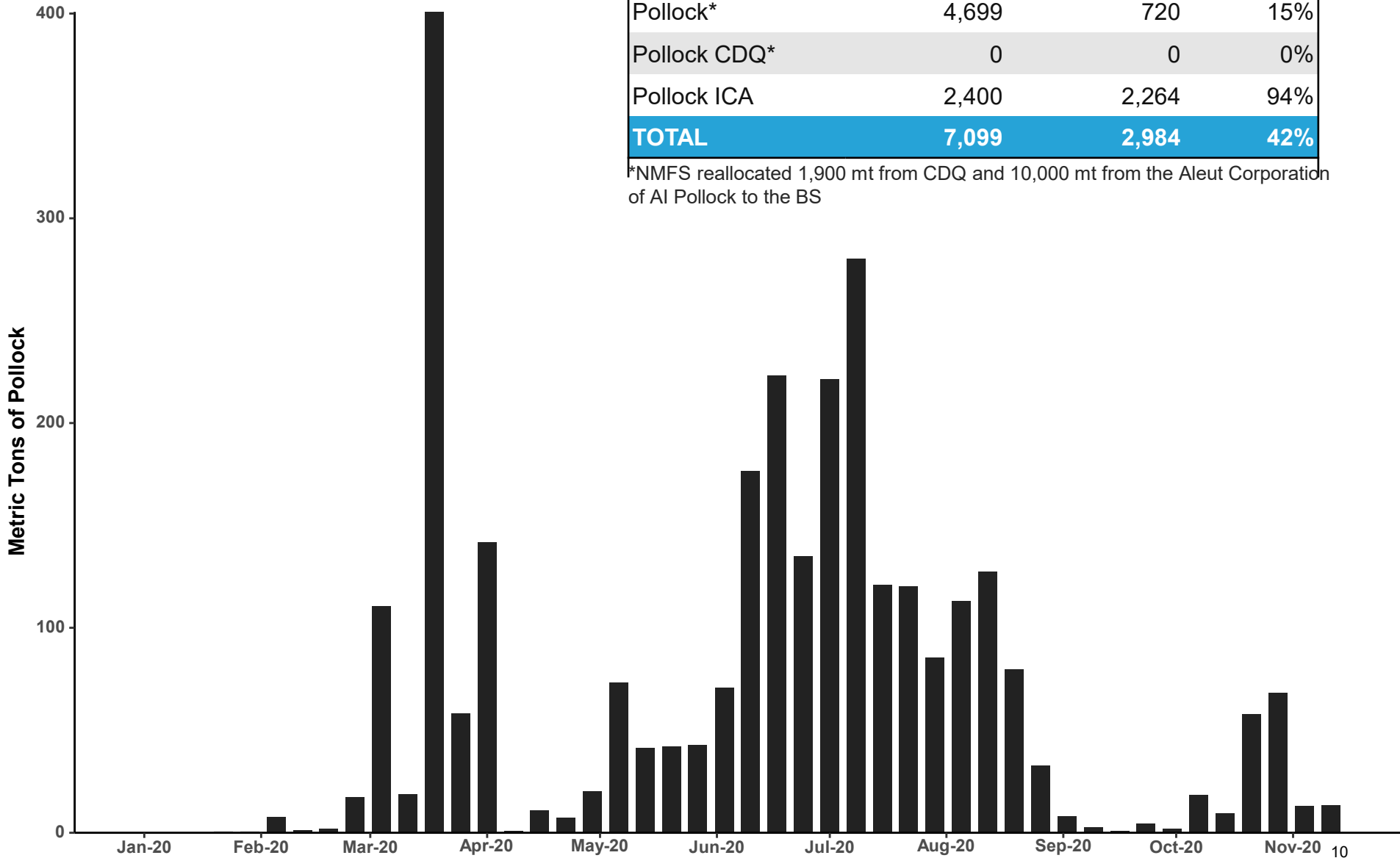
*NMFS reallocated 1,900 mt from CDQ and 10,000 mt from the Aleut Corporation of AI Pollock to the BS



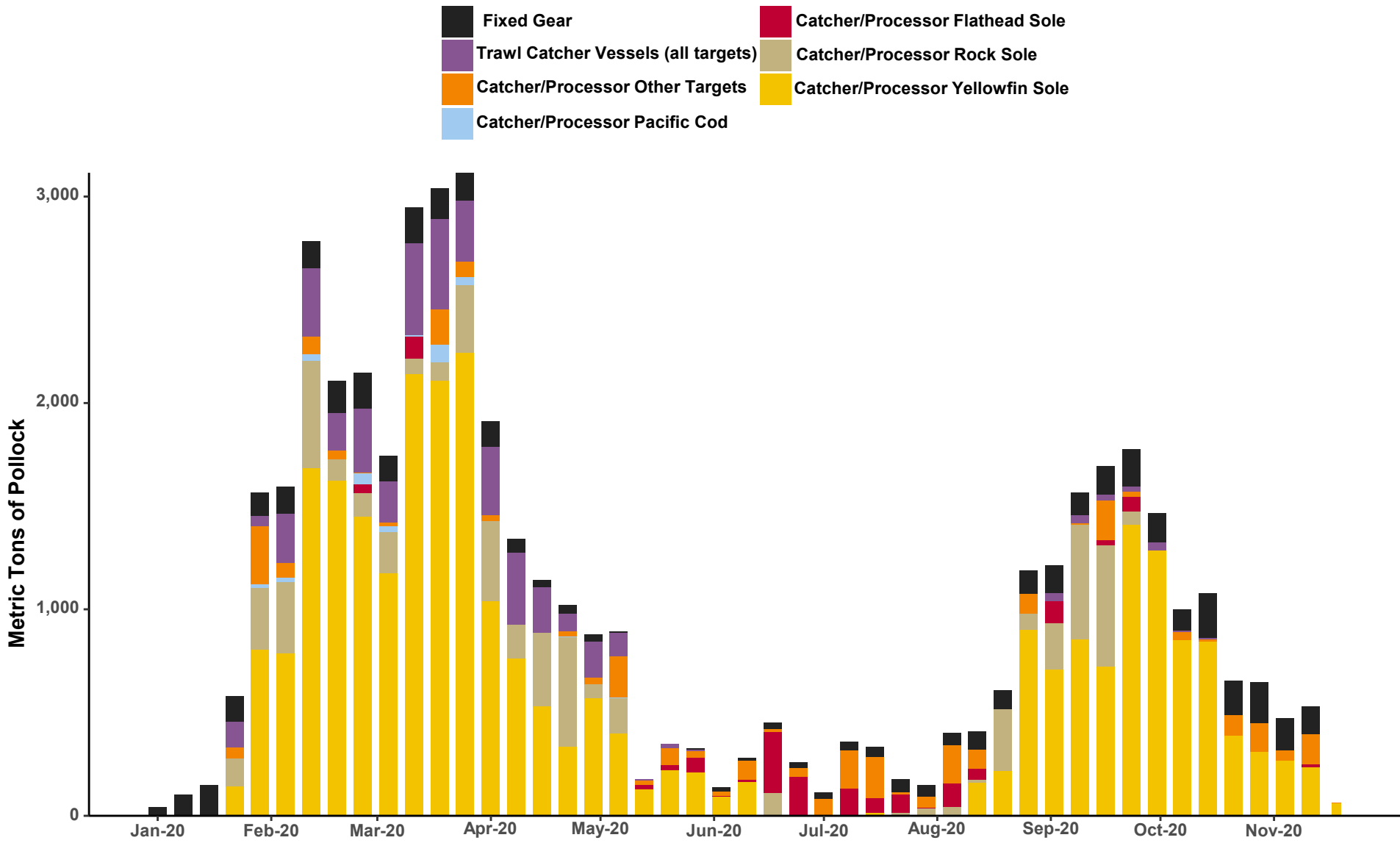
2020 Aleutian Islands Pollock Catch by Week and Sector

2020	TAC (mt)	Catch (mt)	%
Pollock*	4,699	720	15%
Pollock CDQ*	0	0	0%
Pollock ICA	2,400	2,264	94%
TOTAL	7,099	2,984	42%

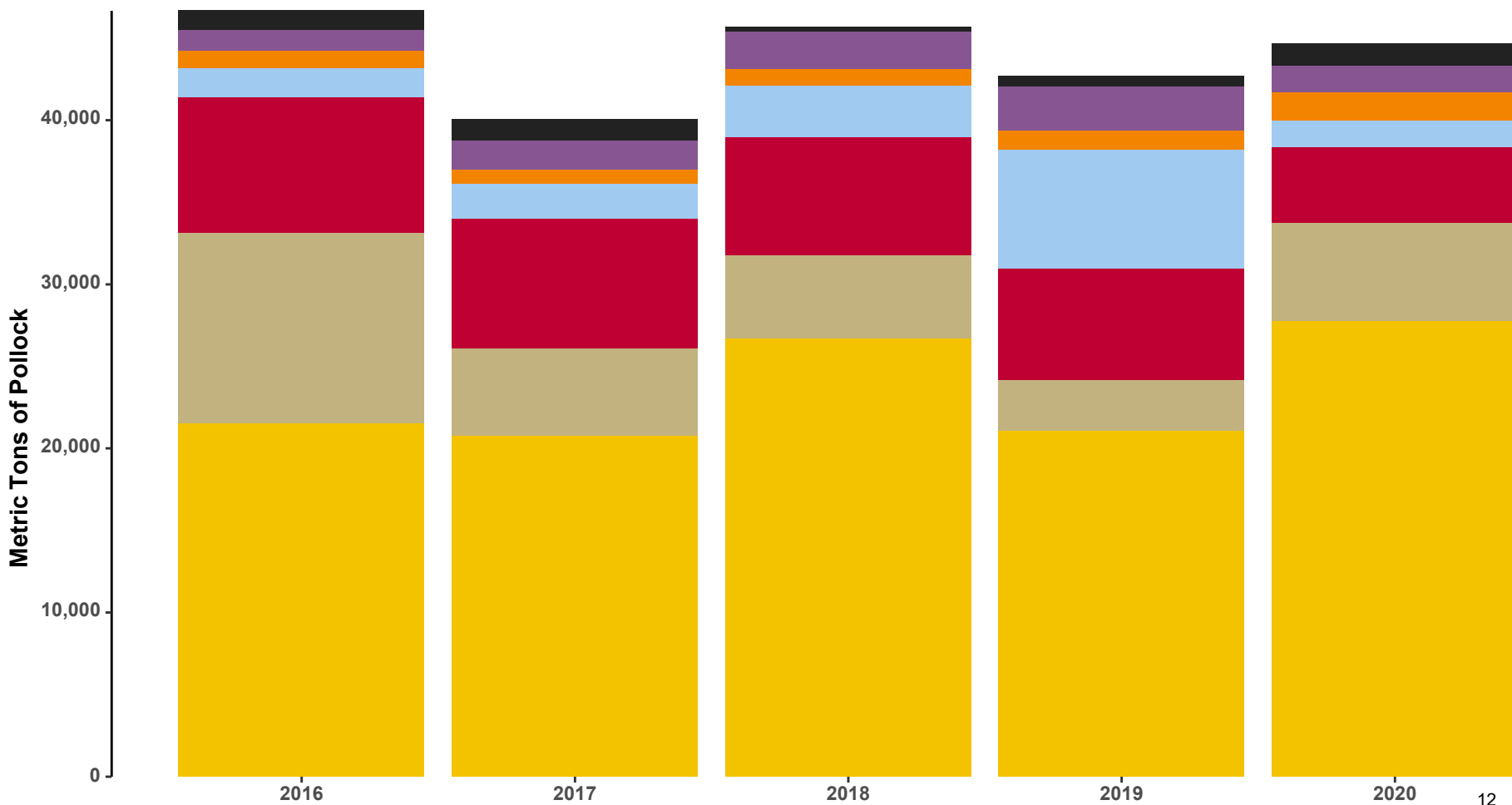
*NMFS reallocated 1,900 mt from CDQ and 10,000 mt from the Aleut Corporation of AI Pollock to the BS



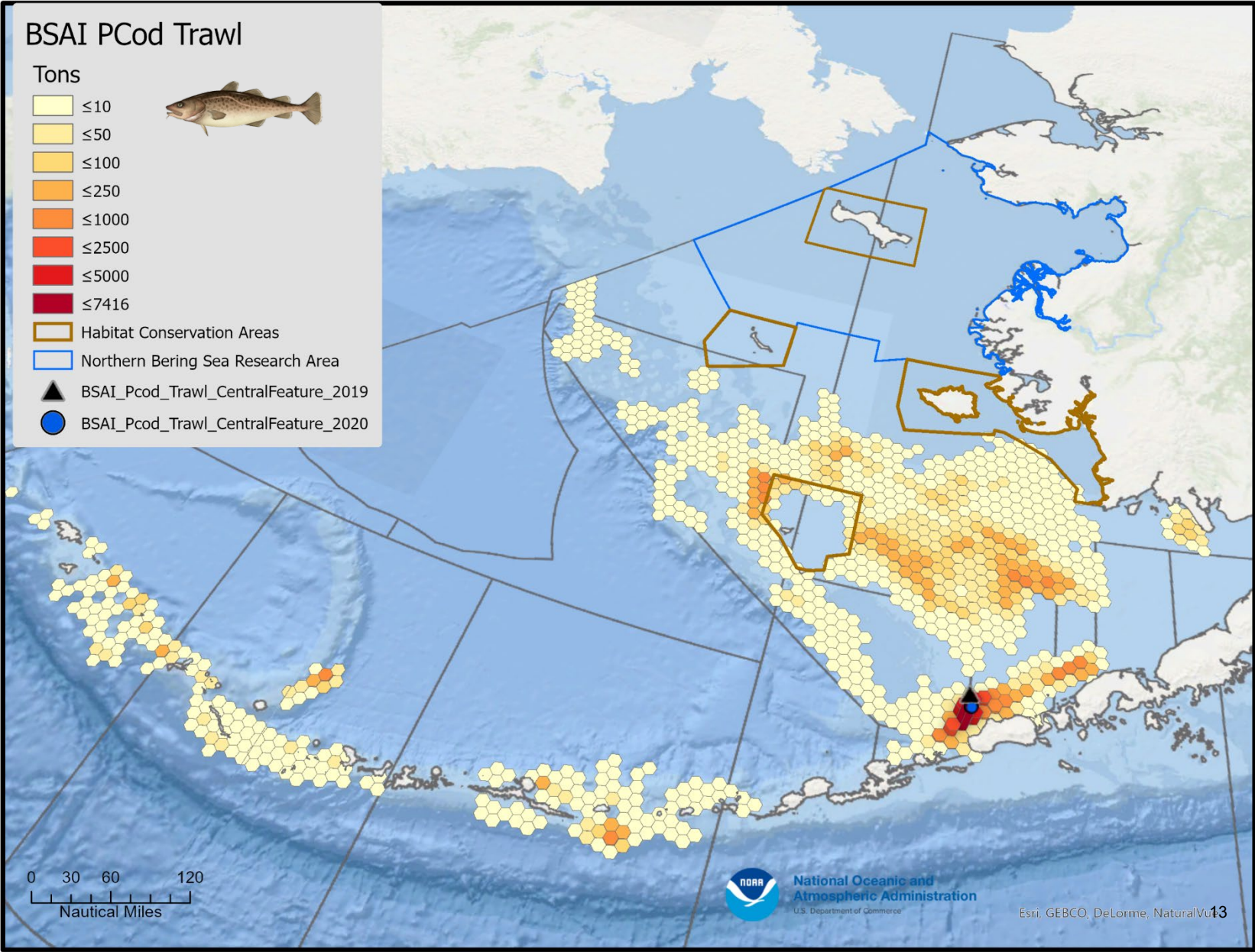
2020 Bering Sea Pollock ICA Catch by Week and Sector



2016-2020 Trawl Catcher/Processor Incidental Catch of Pollock by Year and Target



2020 Pacific Cod Catch by Trawl Gear



2020 BSAI Trawl Pacific Cod Catch

2020	TAC (mt)	Catch (mt)	%
Catcher/Processor AFA*	3,196	4,212	132%
Amendment 80 Catcher/Processors	18,619	16,451	88%
Catcher Vessel**	30,707	29,691	97%
TOTAL	52,522	50,354	96%

*NMFS prohibited retention for AFA CPs May 4, 2020.

NMFS closed directed fishing for non-CDQ sectors in the Bering Sea November 18, 2020.

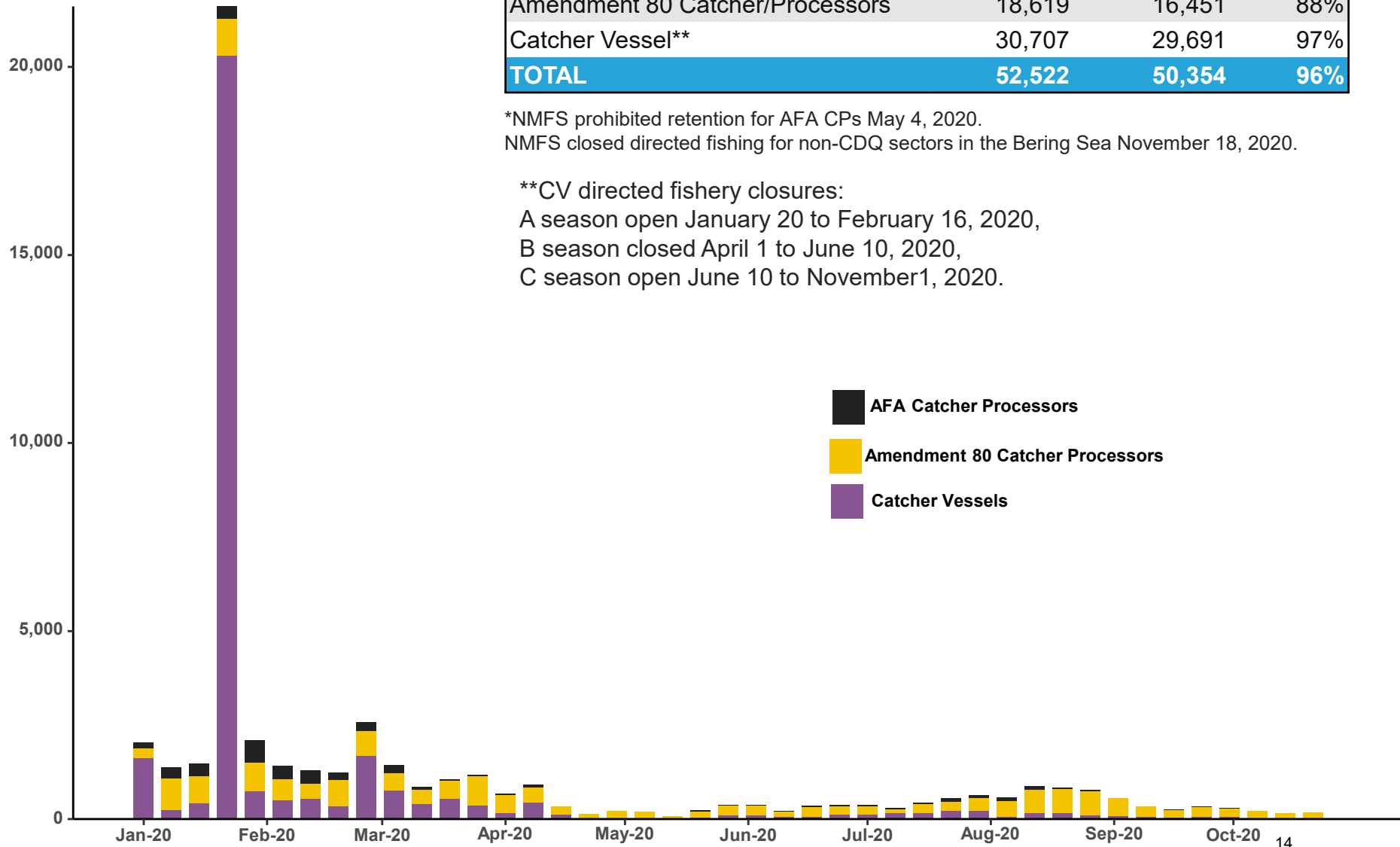
**CV directed fishery closures:

A season open January 20 to February 16, 2020,

B season closed April 1 to June 10, 2020,

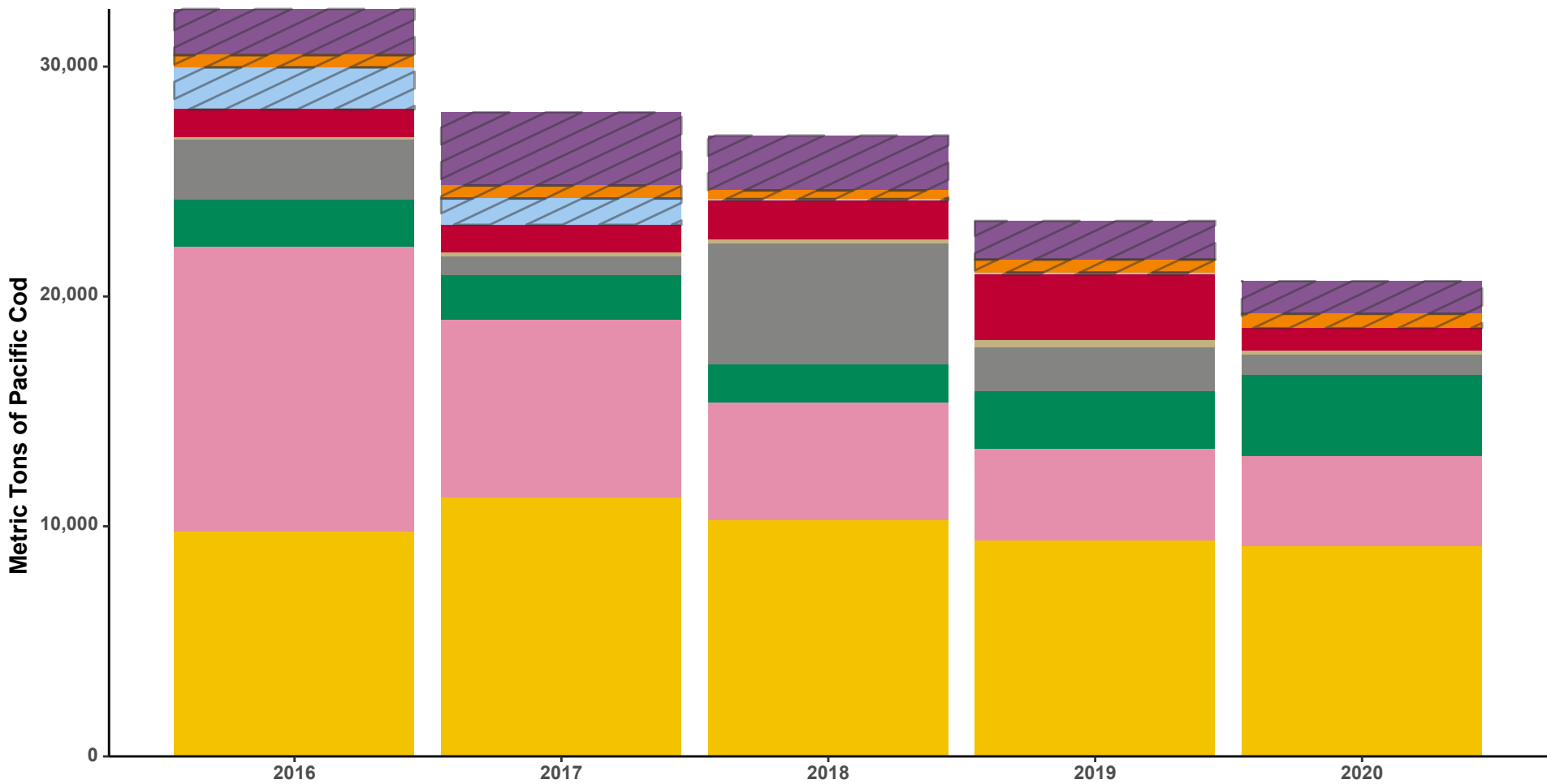
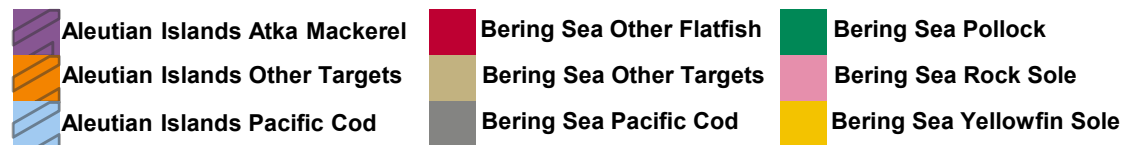
C season open June 10 to November 1, 2020.

Metric Tons of Pacific Cod

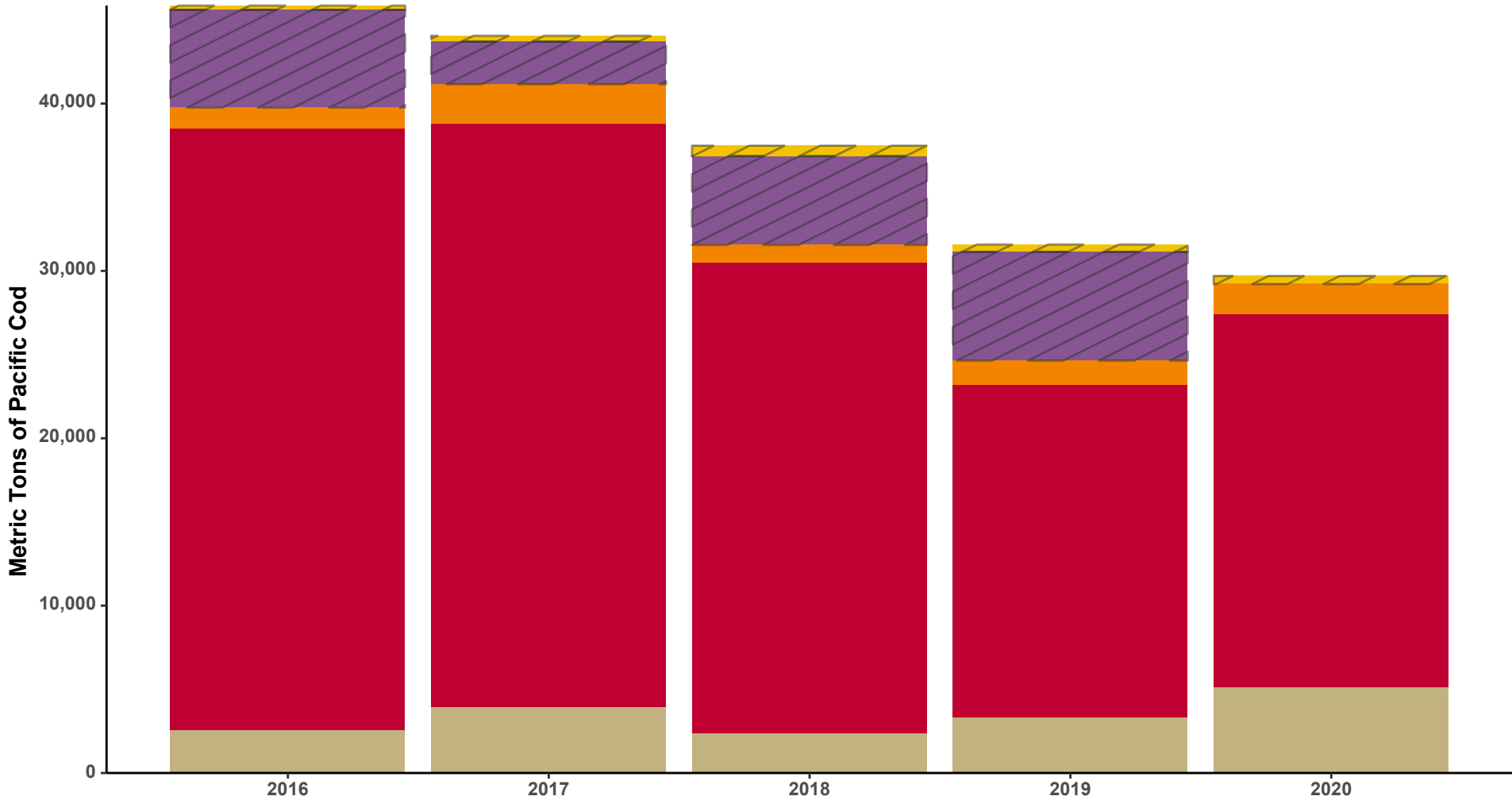
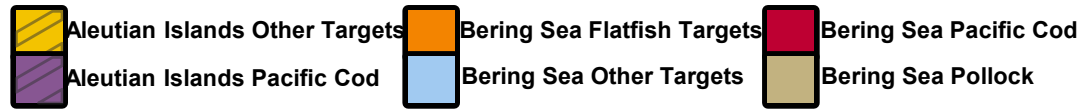


AFA Catcher Processors
 Amendment 80 Catcher Processors
 Catcher Vessels

2016-2020 BSAI Trawl Catcher/Processor Pacific Cod Catch by Target



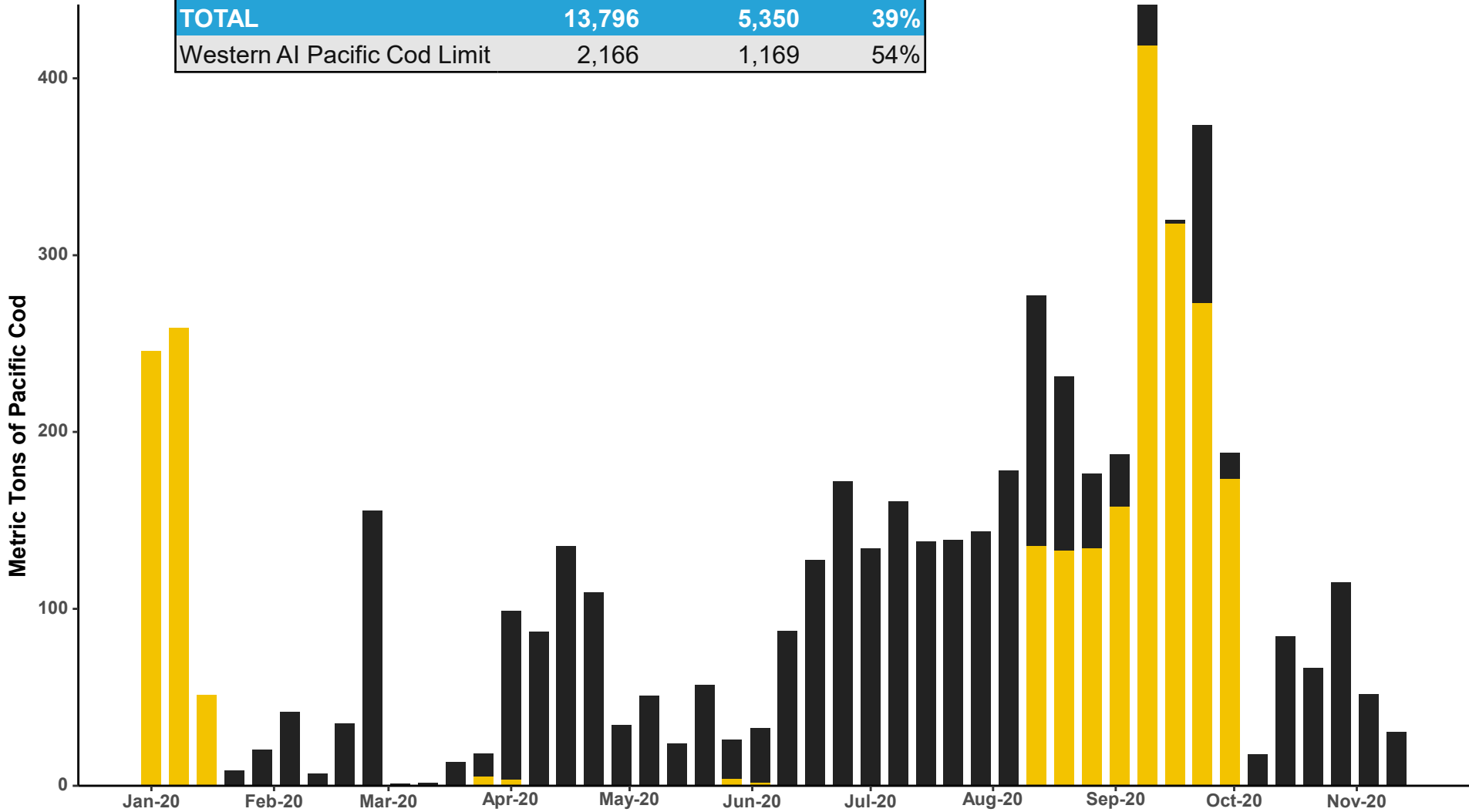
2016-2020 BSAI Trawl Catcher Vessel Pacific Cod Catch by Target



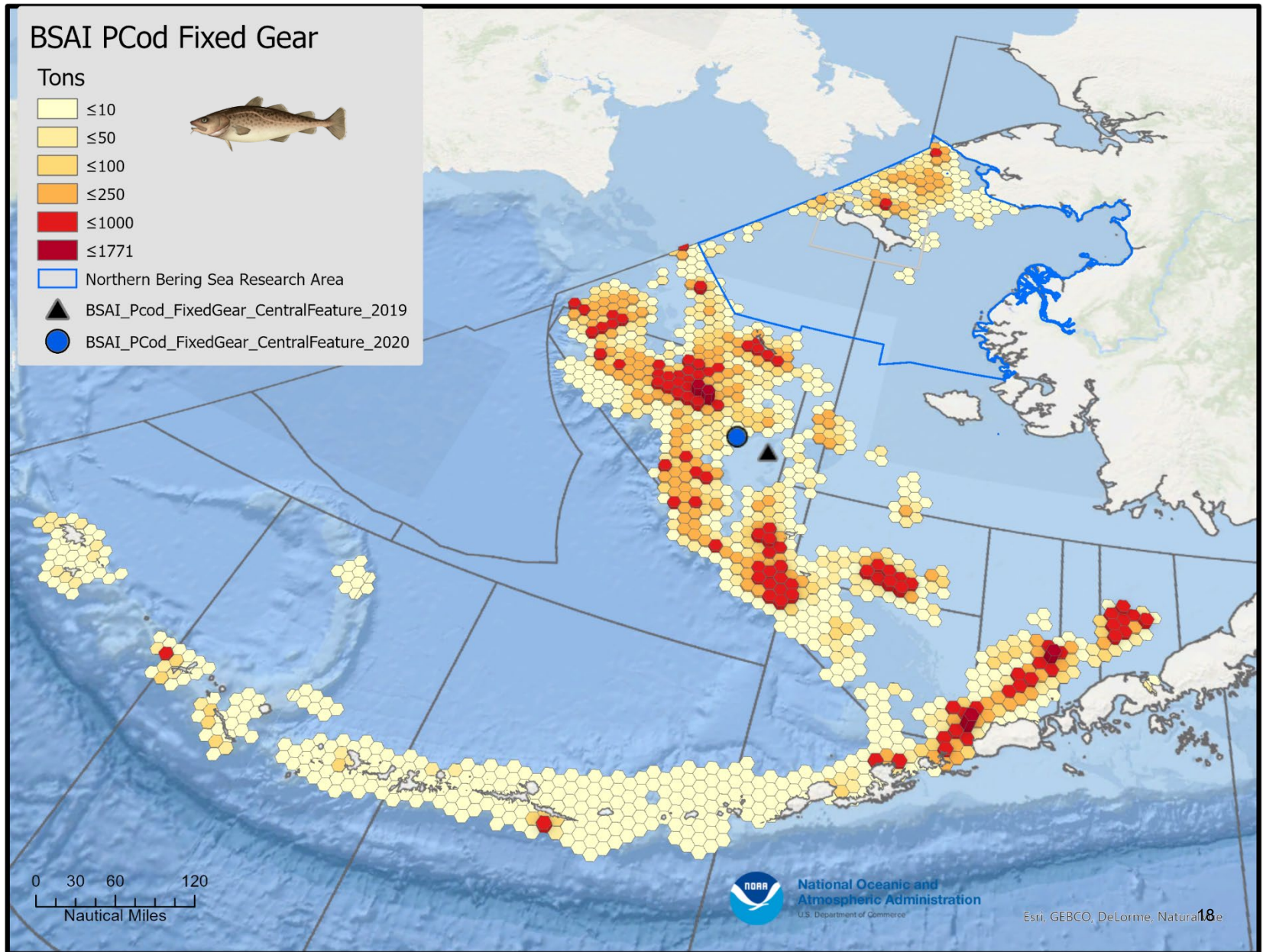
2020 Aleutian Islands Pacific Cod Catch

2020	TAC (mt)	Catch (mt)	%
Fixed Gear		2,310	
Incidental Catch		3,041	
TOTAL	13,796	5,350	39%
Western AI Pacific Cod Limit	2,166	1,169	54%

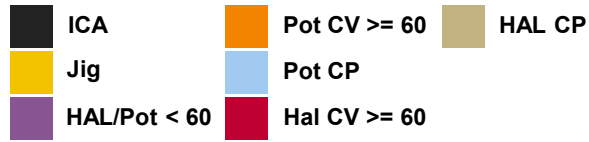
Other Targets
 Pacific Cod Target



2020 Pacific Cod Catch by Non-Trawl Gear

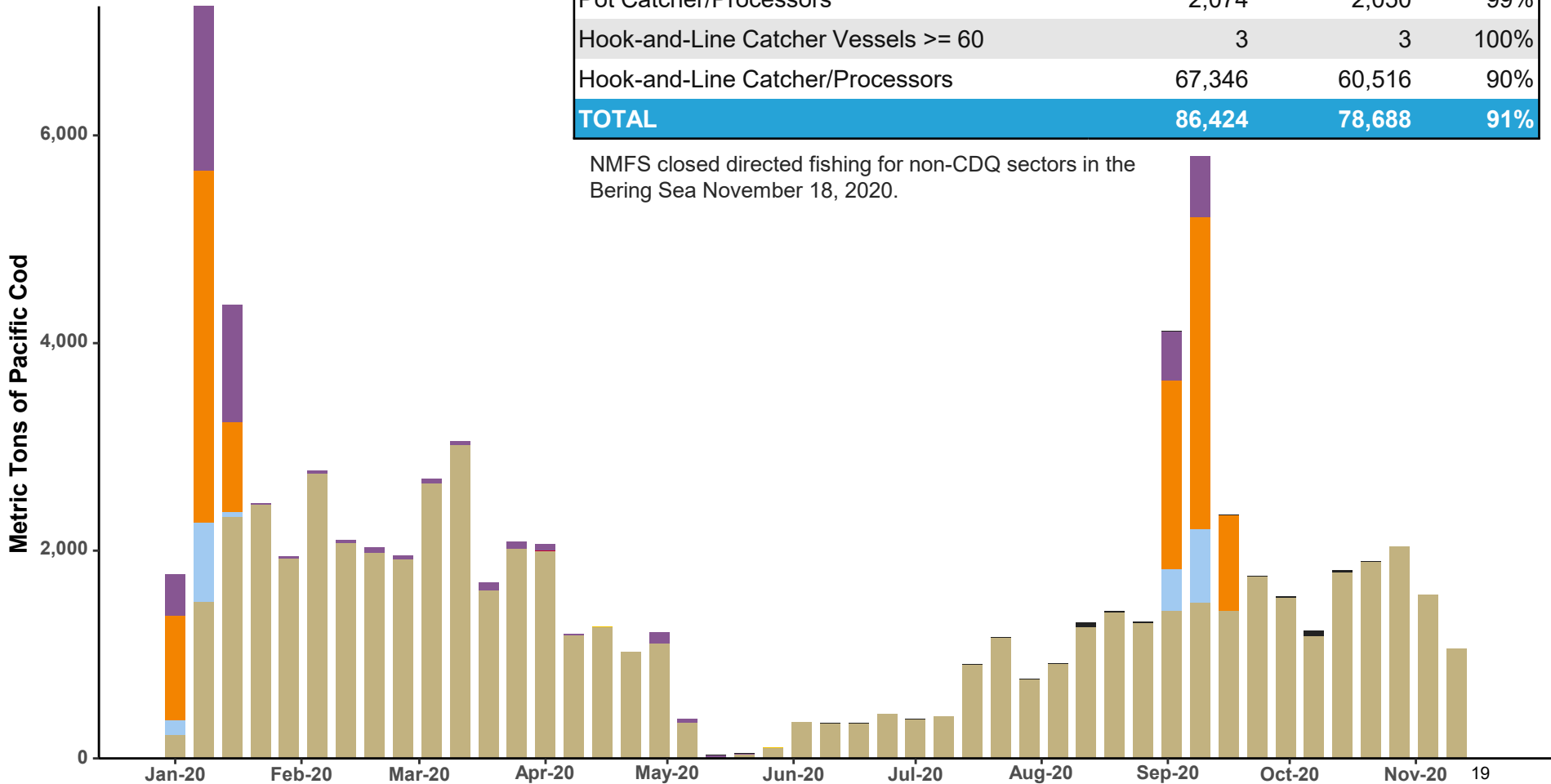


2020 BSAI Non-Trawl Pacific Cod Catch



2020	TAC (mt)	Catch (mt)	%
Hook-and-Line / Pot ICA	400	271	68%
Jig Gear	178	10	6%
Hook-and-Line / Pot Catcher Vessels < 60	4,807	4,825	100%
Pot Catcher Vessels >= 60	11,616	11,013	95%
Pot Catcher/Processors	2,074	2,050	99%
Hook-and-Line Catcher Vessels >= 60	3	3	100%
Hook-and-Line Catcher/Processors	67,346	60,516	90%
TOTAL	86,424	78,688	91%

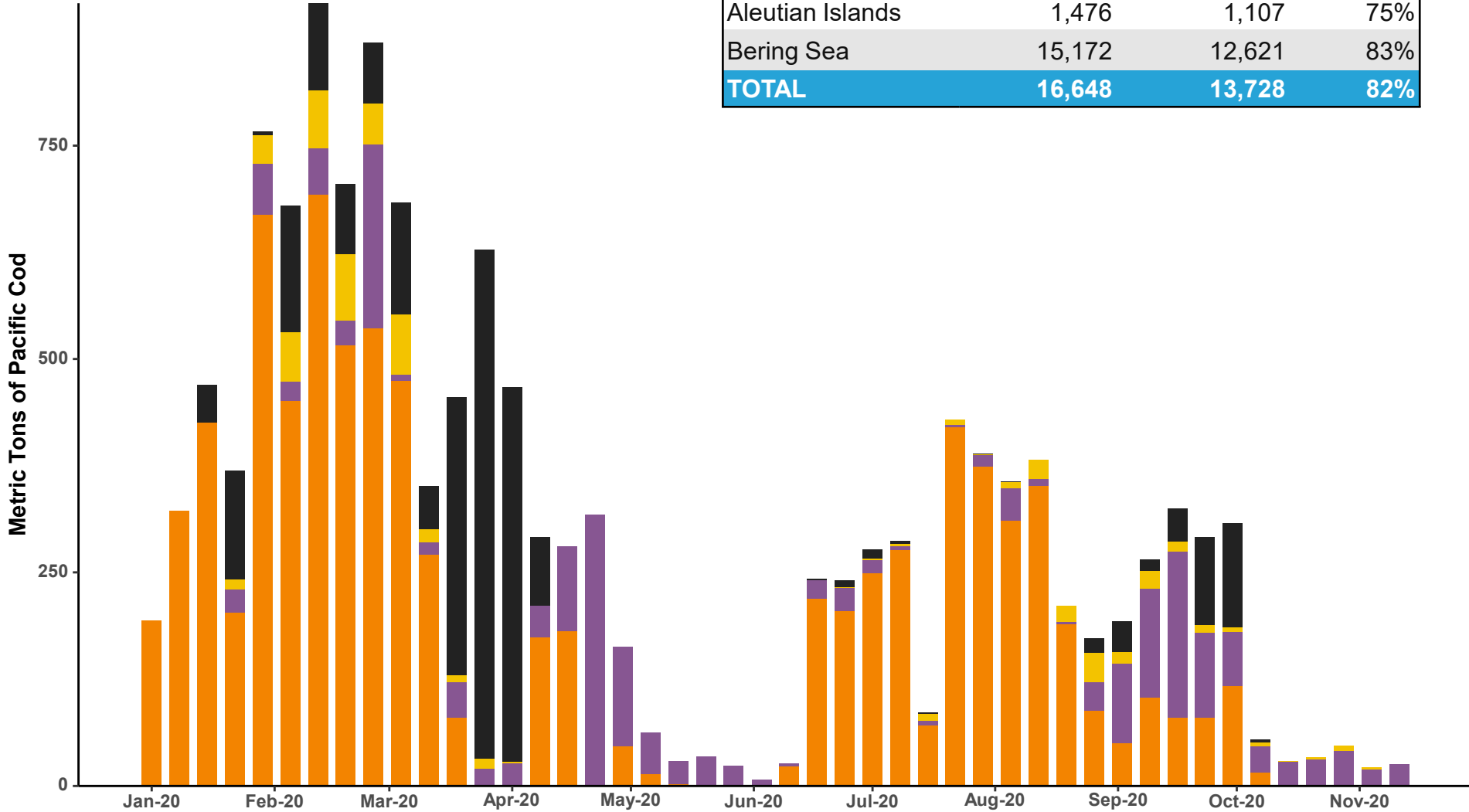
NMFS closed directed fishing for non-CDQ sectors in the Bering Sea November 18, 2020.



2020 CDQ Pacific Cod Catch

POT
 PTR
 NPT
 HAL

2020	TAC (mt)	Catch (mt)	%
Aleutian Islands	1,476	1,107	75%
Bering Sea	15,172	12,621	83%
TOTAL	16,648	13,728	82%

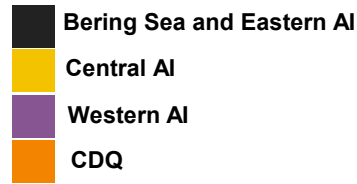


2020 Pacific Cod Apportionments and Catch in the BSAI

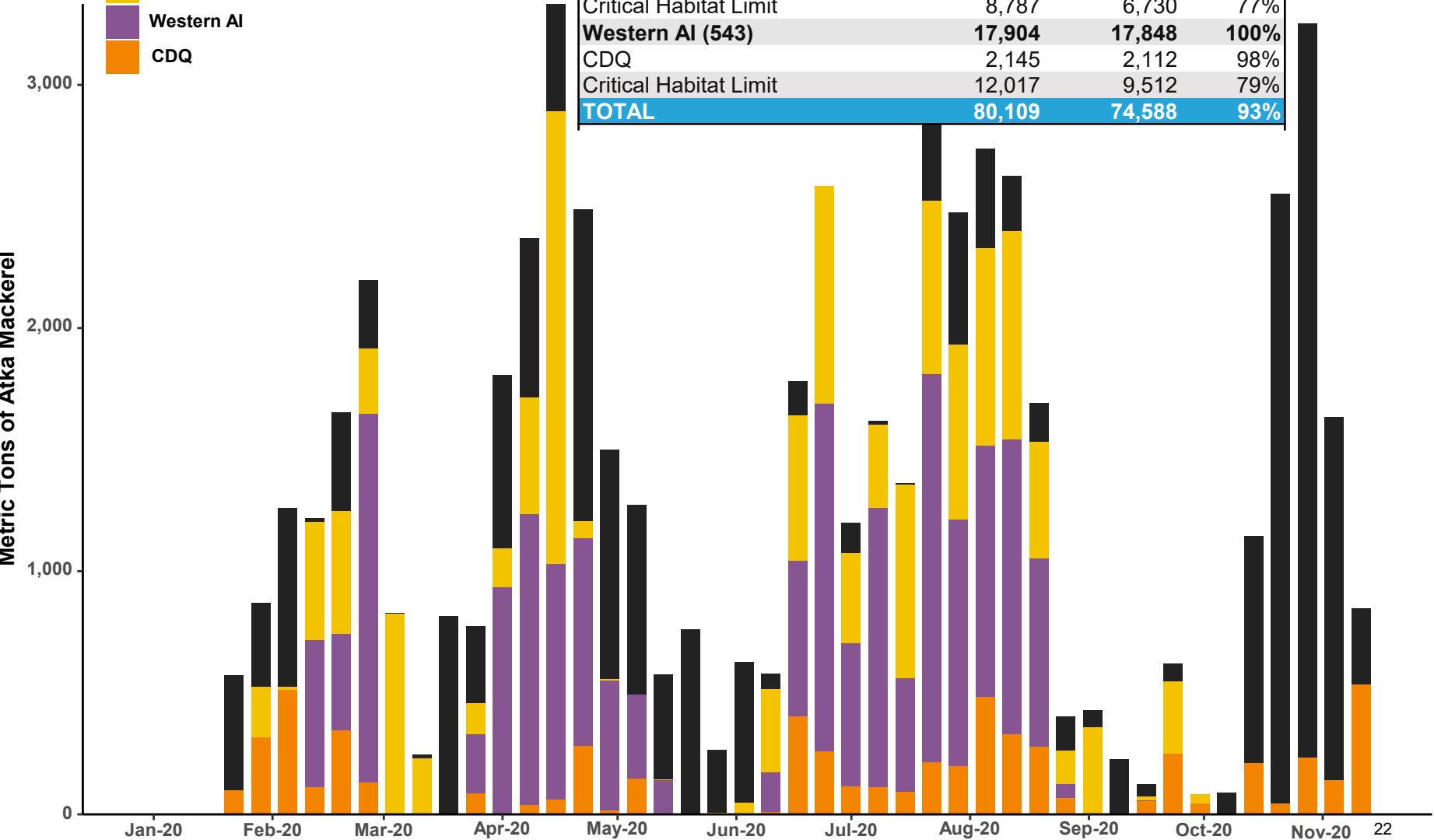


Fishery Component		TAC (mt)	Reallocations	Revised TAC	Catch (mt)	%
Hook-and-Line Gear	Catcher/Processors	67,346	0	67,346	60,516	90%
	Catcher Vessels >= 60 Feet	277	-274	3	3	100%
Pot Gear	Catcher/Processor	2,074	0	2,074	2,050	99%
	Catcher Vessels >= 60 Feet	11,616	0	11,616	11,013	95%
Hook-and-Line and Pot Gear	Catcher Vessels < 60 Feet	2,766	+2,041	4,807	4,825	100%
Trawl Gear	AFA Catcher/Processors	3,196	0	3,196	4,212	132%
	A80 Catcher/processors	18,619	0	18,619	16,451	88%
	Catcher Vessels	30,707	0	30,707	29,691	97%
Jig Gear		1,945	-1,767	178	10	6%
CDQ	Aleutian Islands	1,476	0	1,476	1,107	75%
	Bering Sea	15,172	0	15,172	12,621	83%
Hook-and-Line/Pot Gear ICA		400	0	400	271	68%
TOTAL		155,594	0	155,594	142,770	92%

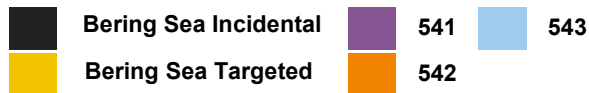
2020 Atka Mackerel Catch by Week and Area



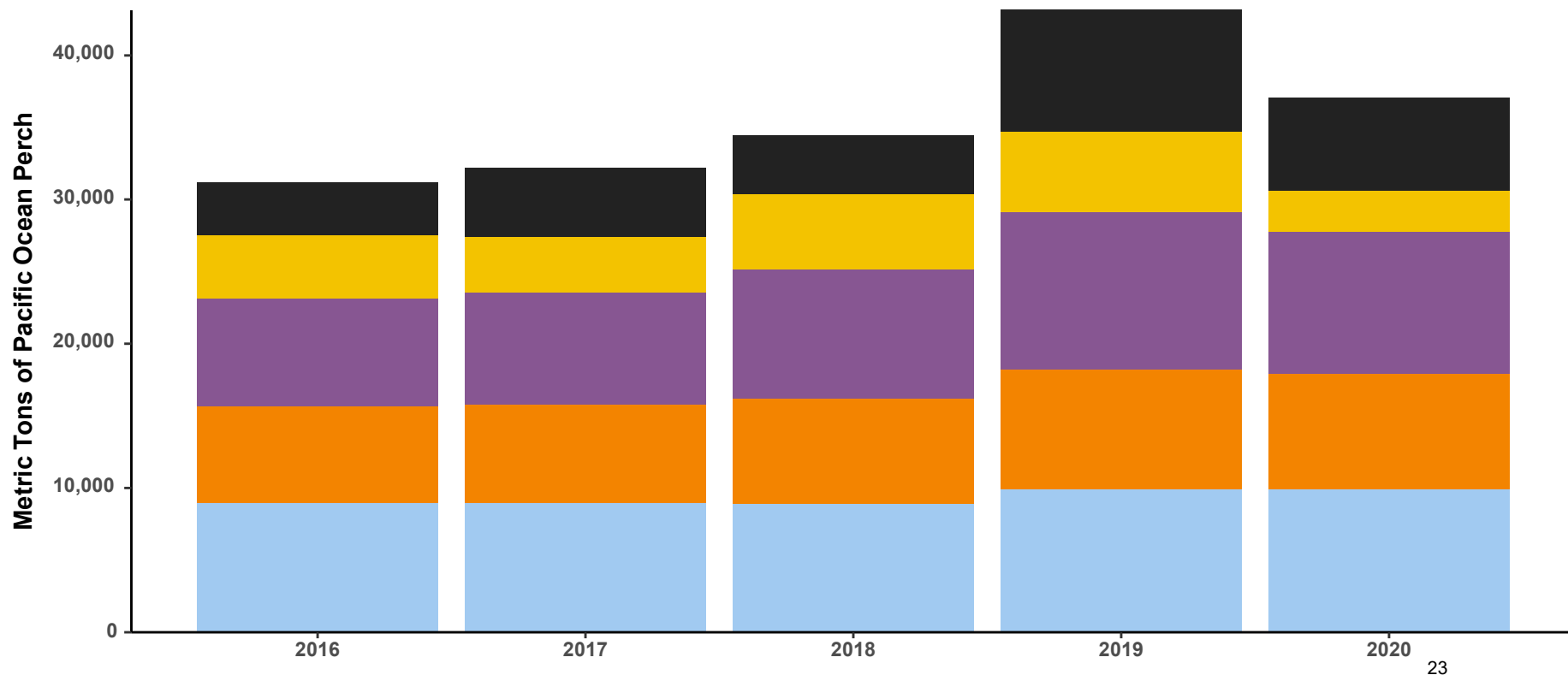
2020			
Bering Sea and Eastern AI (541)	21,910	21,228	97%
CDQ	2,625	2,539	97%
Central AI (542)	13,146	13,096	100%
CDQ	1,575	1,523	97%
Critical Habitat Limit	8,787	6,730	77%
Western AI (543)	17,904	17,848	100%
CDQ	2,145	2,112	98%
Critical Habitat Limit	12,017	9,512	79%
TOTAL	80,109	74,588	93%



2016-2020 Pacific Ocean Perch Catch by Area

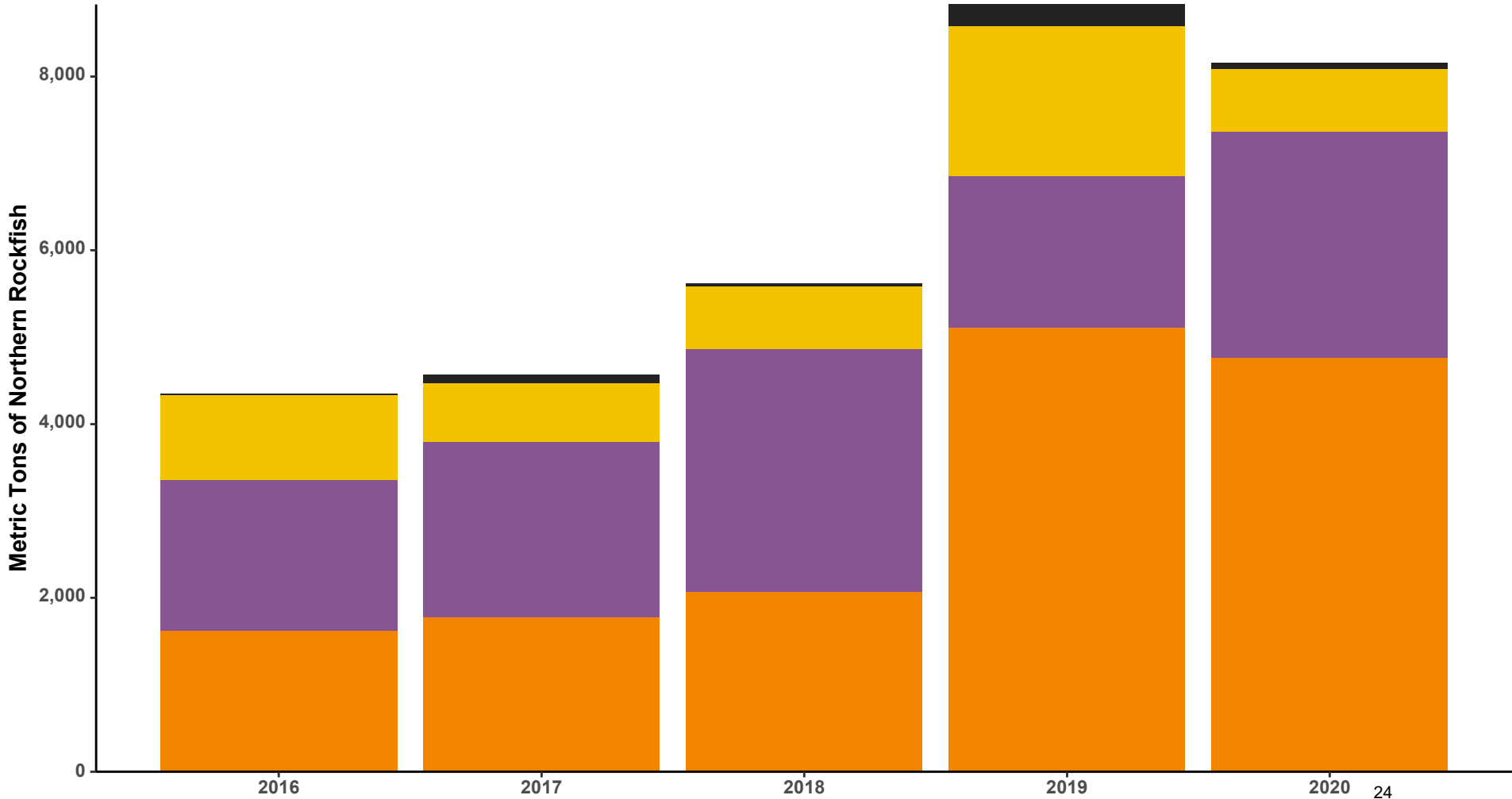
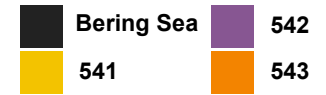


2020	TAC (mt)	Catch (mt)	%
Bering Sea	12,043	9,363	78%
Eastern AI (541)	9,477	8,968	95%
CDQ	1,136	887	78%
Central AI (542)	7,228	7,148	99%
CDQ	866	818	94%
Western AI (543)	8,930	8,873	99%
CDQ	1,070	1,012	95%
TOTAL	40,750	37,069	91%



2016-2020 Northern Rockfish Catch by Area

2020	ABC (mt)	TAC (mt)	Catch (mt)	%
Northern Rockfish	16,243	8,500	8,397	99%

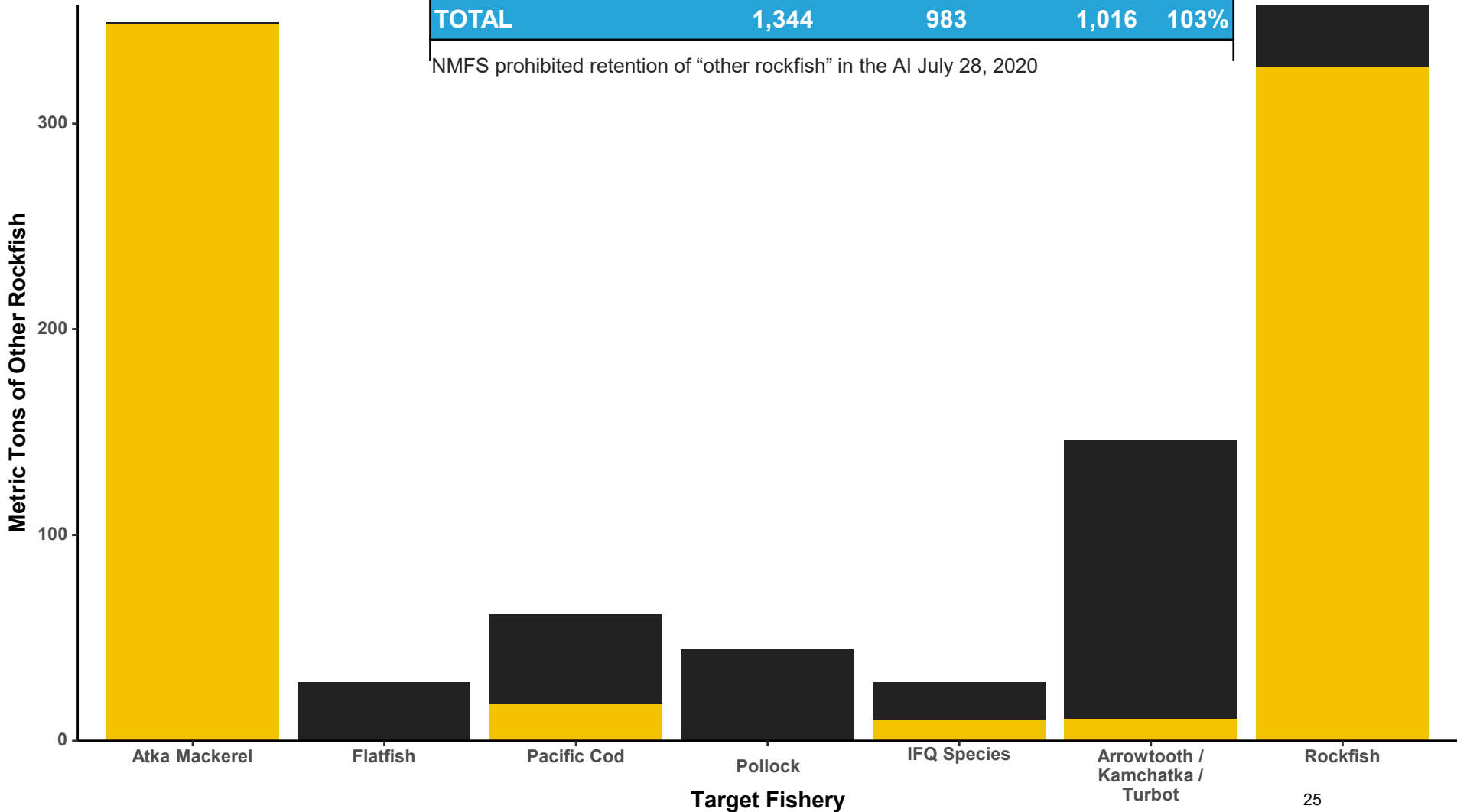


2020 BSAI Other Rockfish Catch

Bering Sea
 Aleutian Islands

2020	ABC (mt)	TAC (mt)	Catch (mt)	%
Bering Sea	956	595	302	51%
Aleutian Islands	388	388	714	184%
TOTAL	1,344	983	1,016	103%

NMFS prohibited retention of "other rockfish" in the AI July 28, 2020



2020 BSAI Blackspotted / Rougheye Rockfish Catch

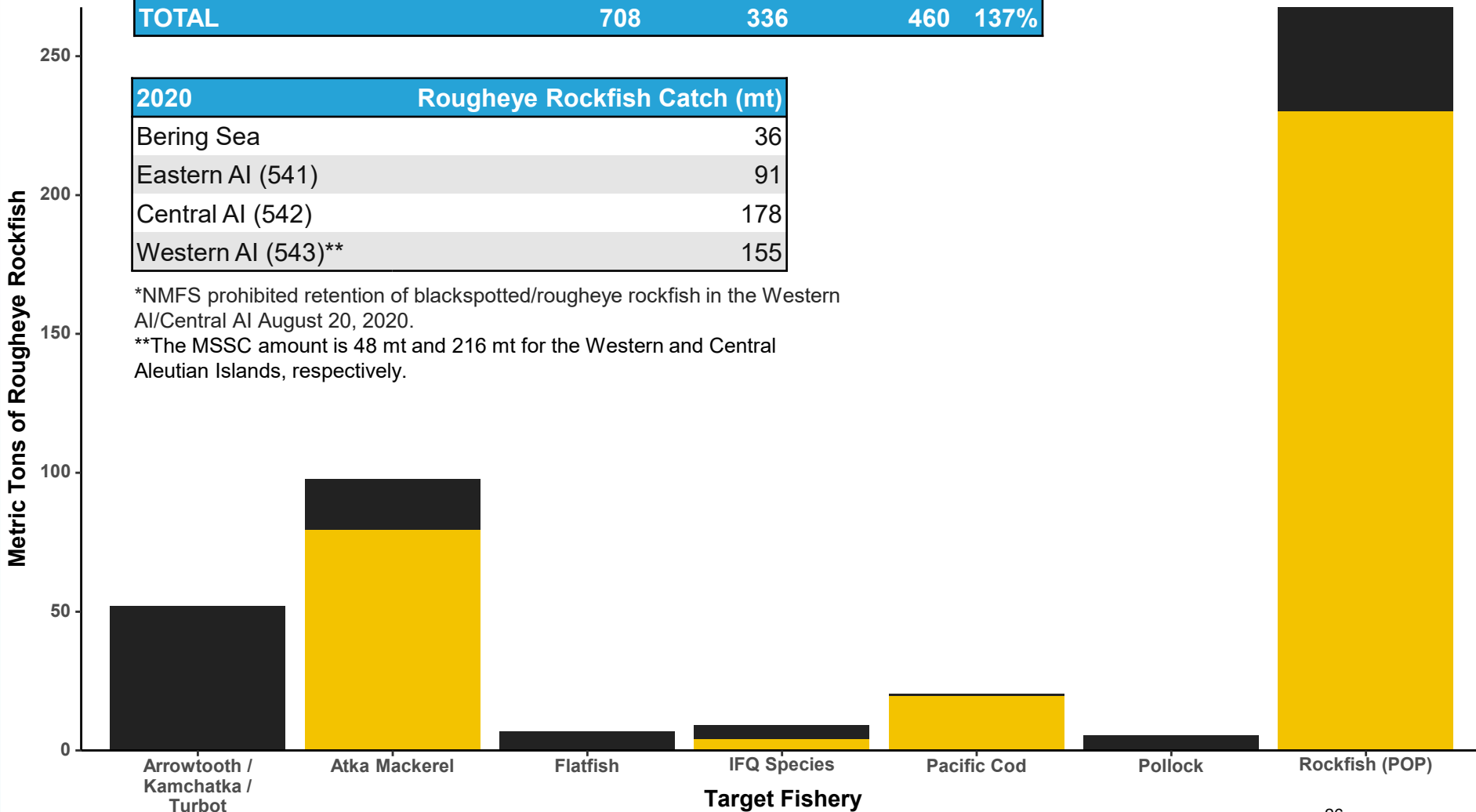
2020	ABC (mt)	TAC (mt)	Catch (mt)	%
BS/EAI Rougheye Rockfish	444	112	127	113%
CAI/WAI Rougheye Rockfish*	264	224	333	149%
TOTAL	708	336	460	137%

BS / EAI Rougheye Rockfish
 CAI / WAI Rougheye Rockfish

2020	Rougheye Rockfish Catch (mt)
Bering Sea	36
Eastern AI (541)	91
Central AI (542)	178
Western AI (543)**	155

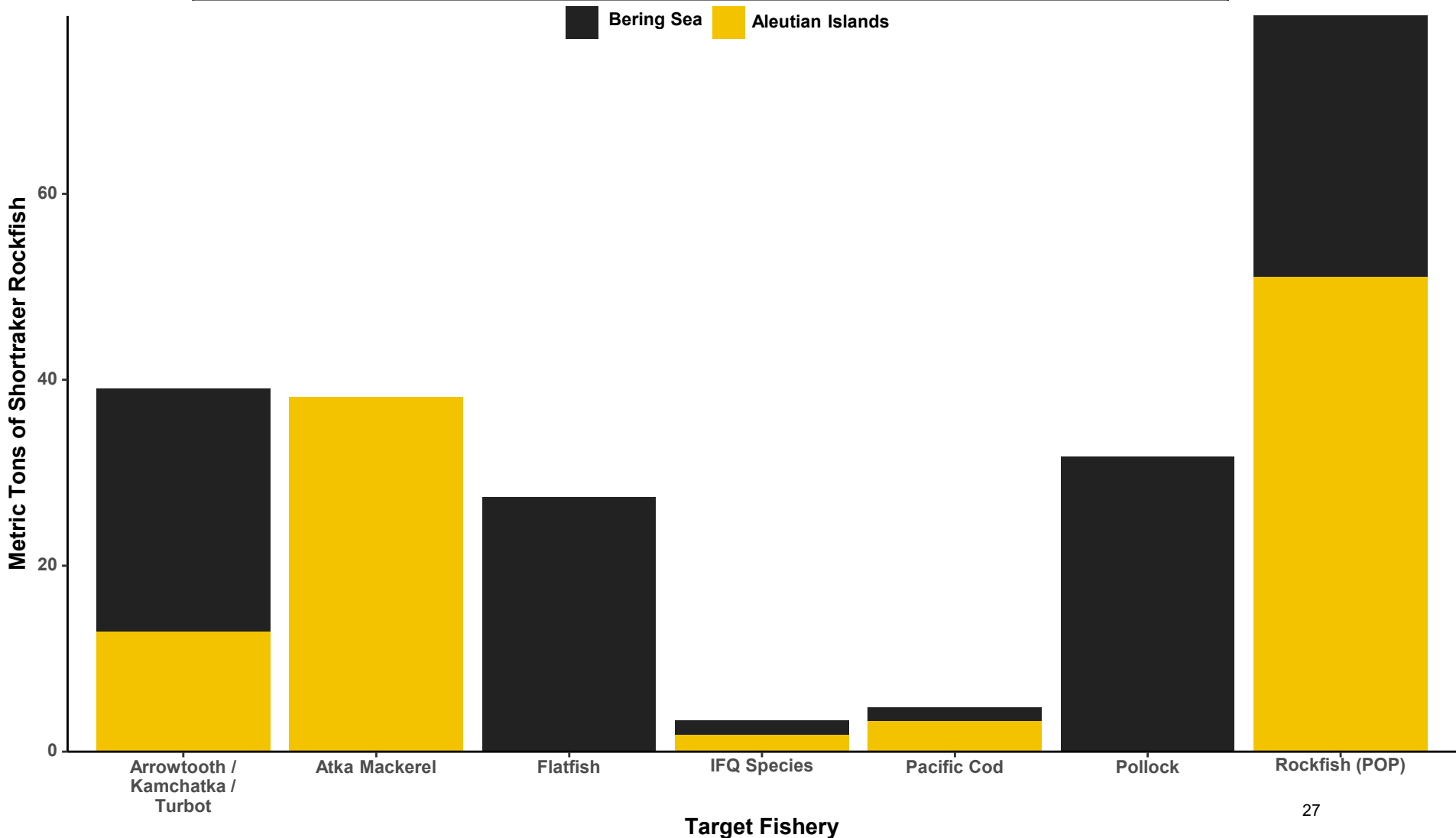
*NMFS prohibited retention of blackspotted/rougheye rockfish in the Western AI/Central AI August 20, 2020.

**The MSSC amount is 48 mt and 216 mt for the Western and Central Aleutian Islands, respectively.

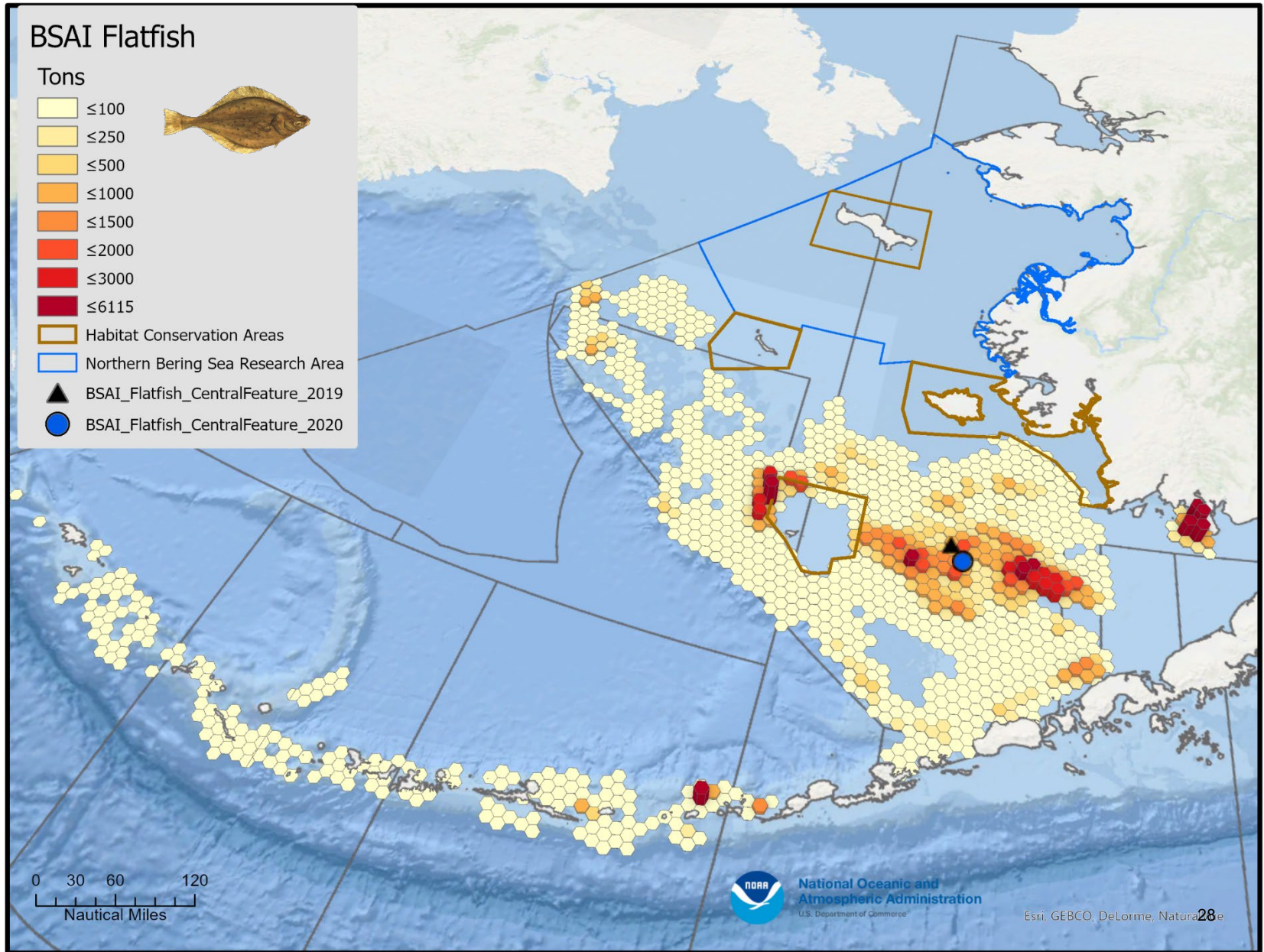


2020 BSAI Shortraker Rockfish Catch

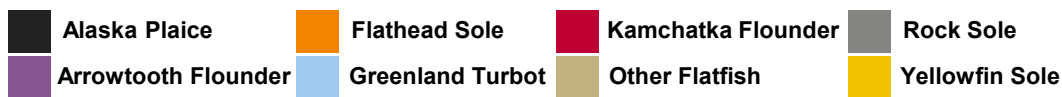
2020	ABC (mt)	TAC (mt)	Catch (mt)	%
BSAI Shortraker Rockfish	541	319	223	70%



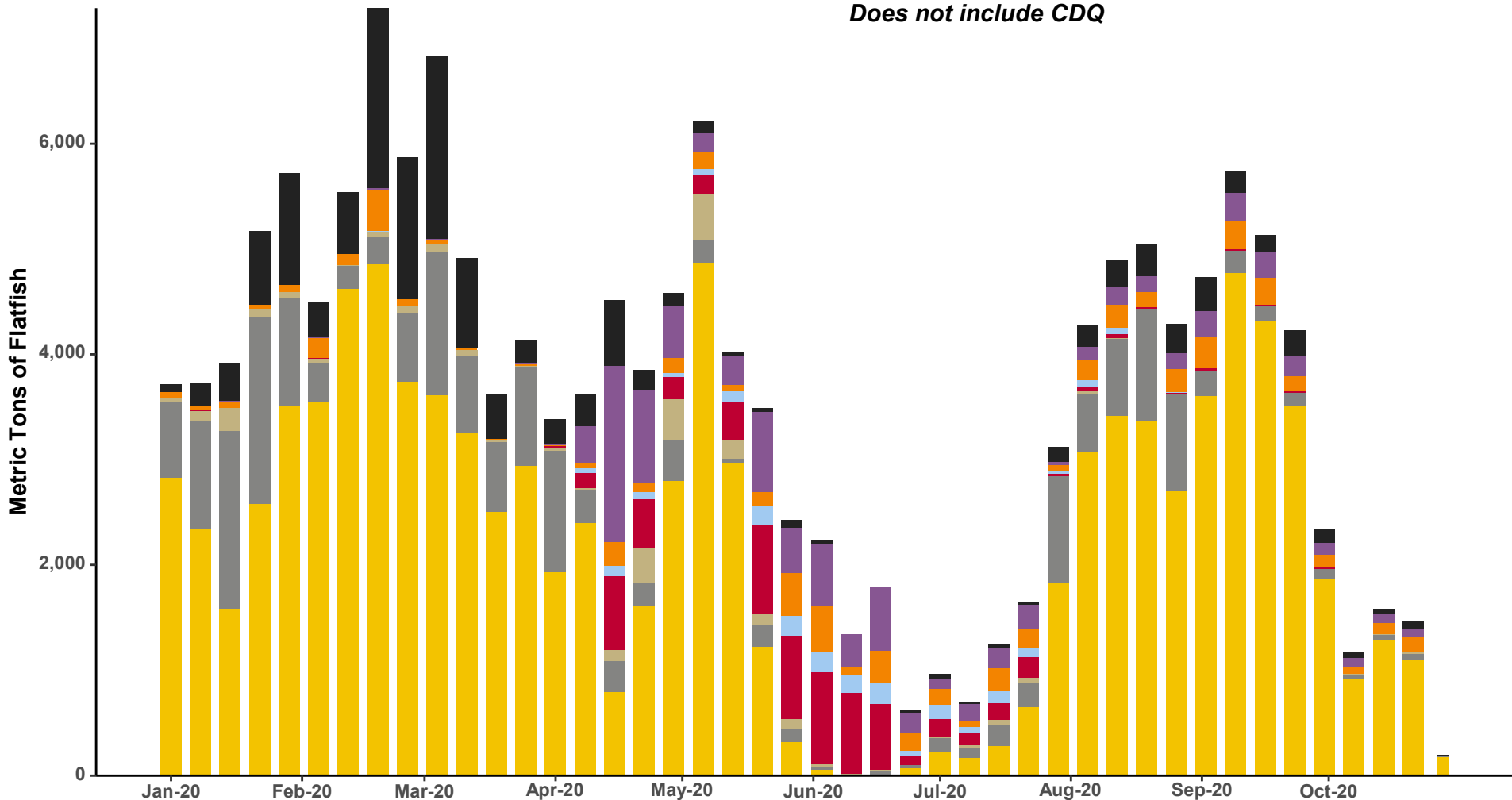
2020 Flatfish Catch



2020 BSAI Flatfish Catch by Amendment 80 Catcher/Processors



Does not include CDQ

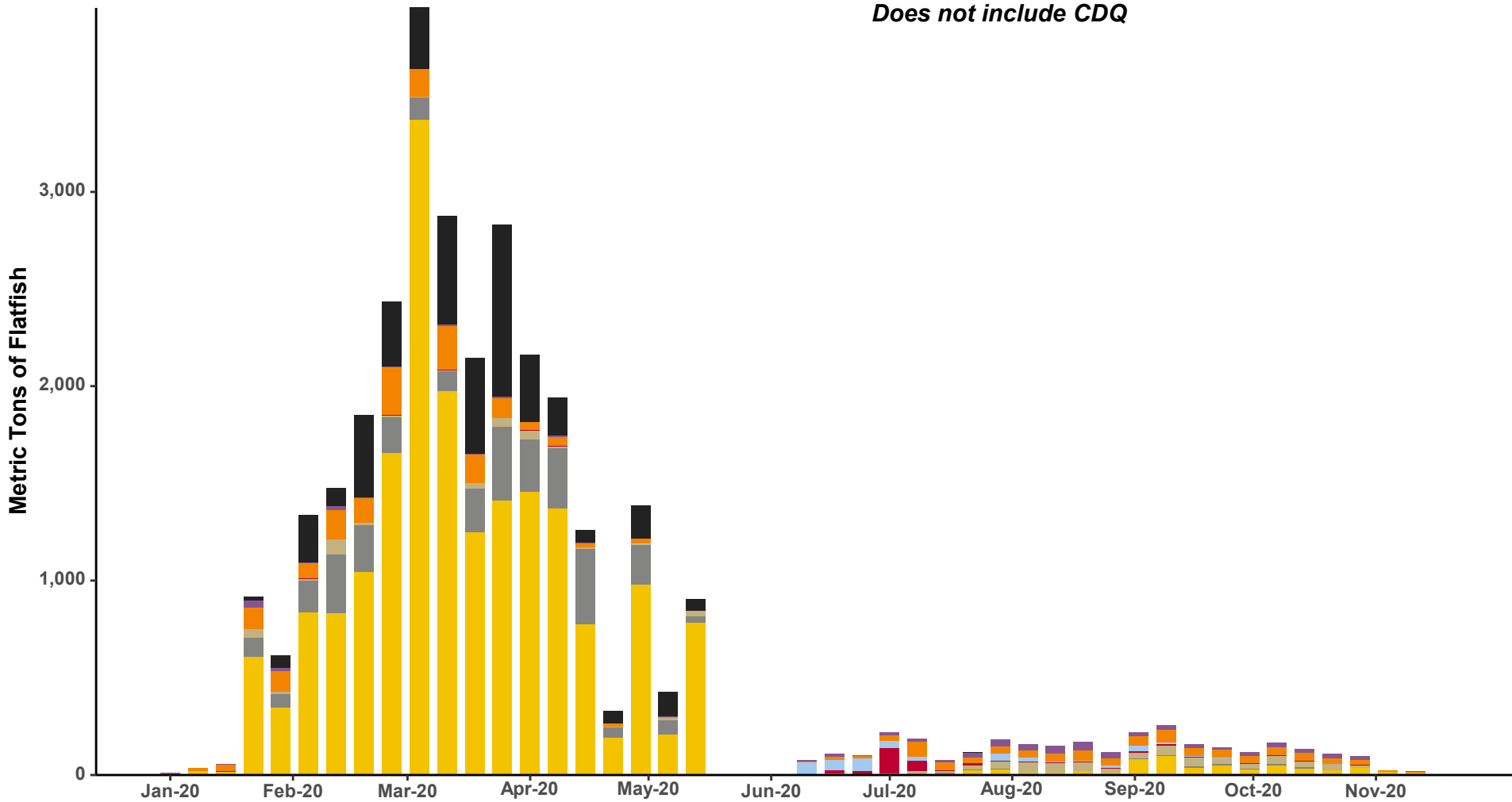


2020 BSAI Flatfish Catch by Non-Amendment 80 Vessels

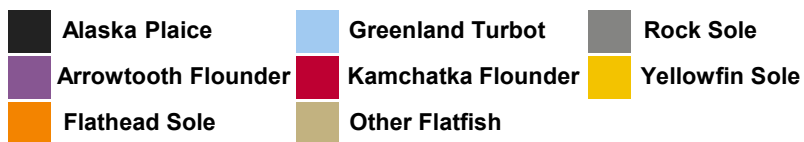
BSAI trawl limited access sector closed May 15, 2020 on yellowfin sole allocation of the TAC.



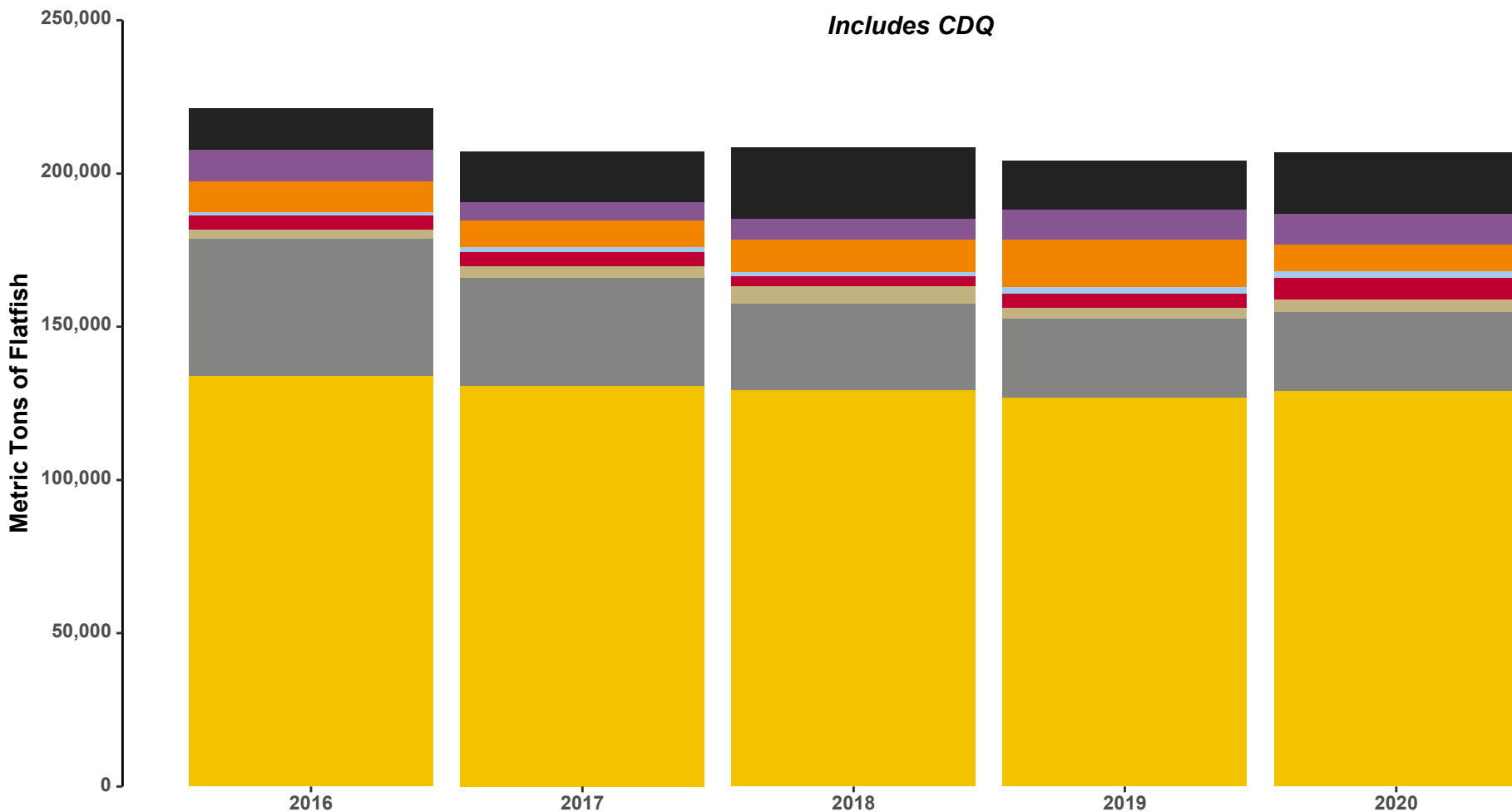
Does not include CDQ



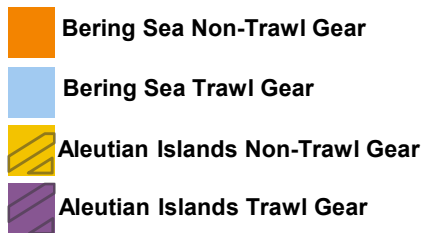
2016-2020 BSAI Trawl Flatfish Catch by Species



Includes CDQ



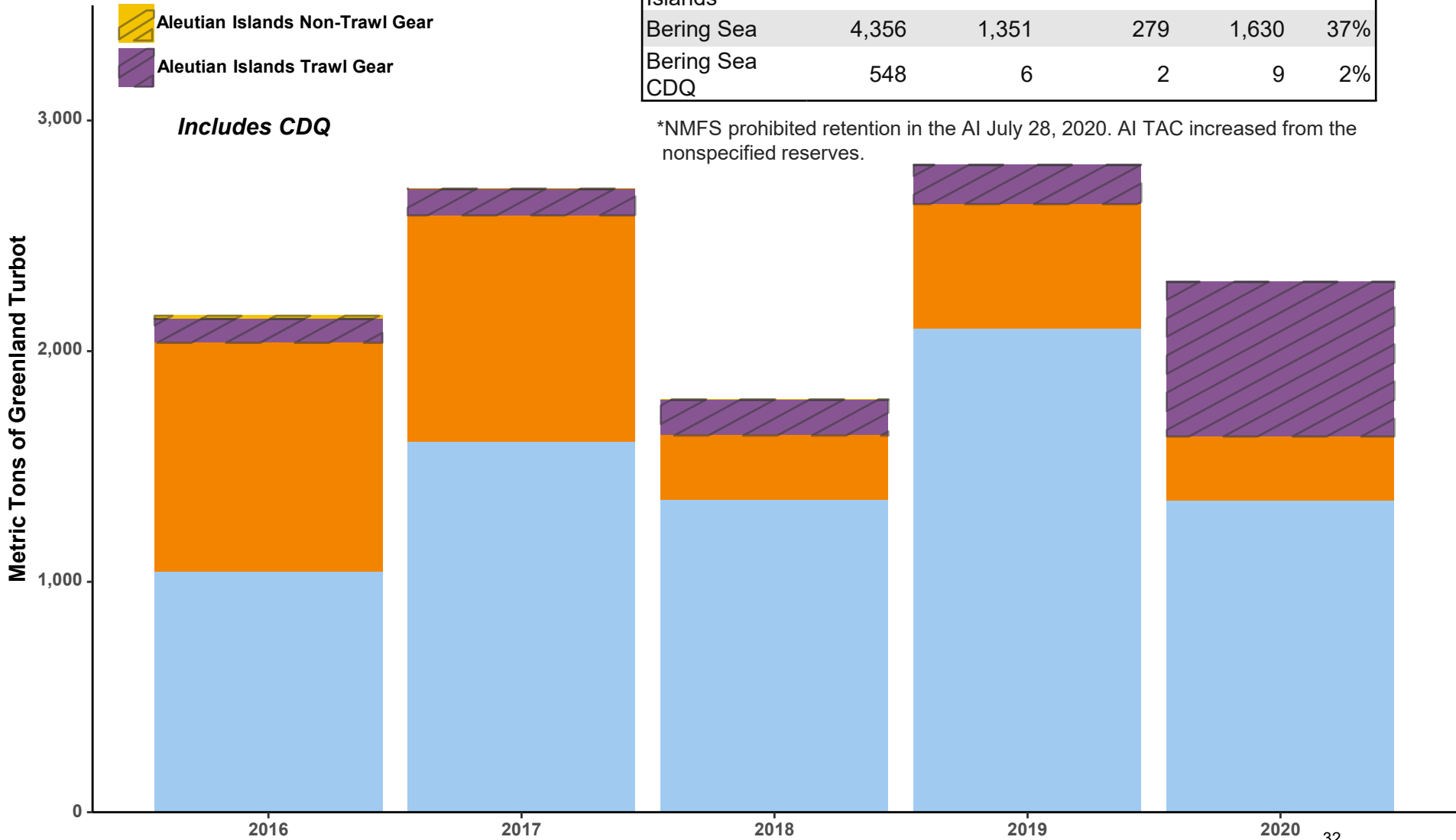
2016-2020 Non-Trawl BSAI Greenland Turbot Catch



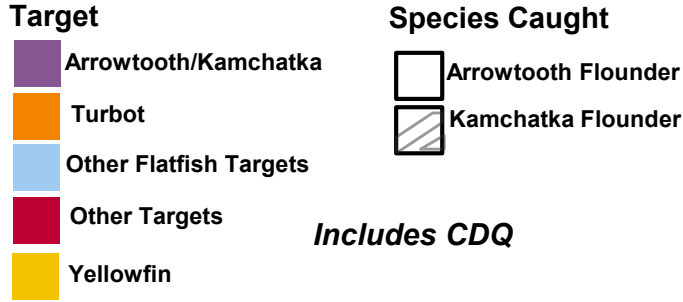
2020	TAC (mt)	Trawl (mt)	HAL (mt)	Catch (mt)	%
Aleutian Islands*	699	672	1	673	96%
Bering Sea	4,356	1,351	279	1,630	37%
Bering Sea CDQ	548	6	2	9	2%

Includes CDQ

*NMFS prohibited retention in the AI July 28, 2020. AI TAC increased from the nonspecified reserves.



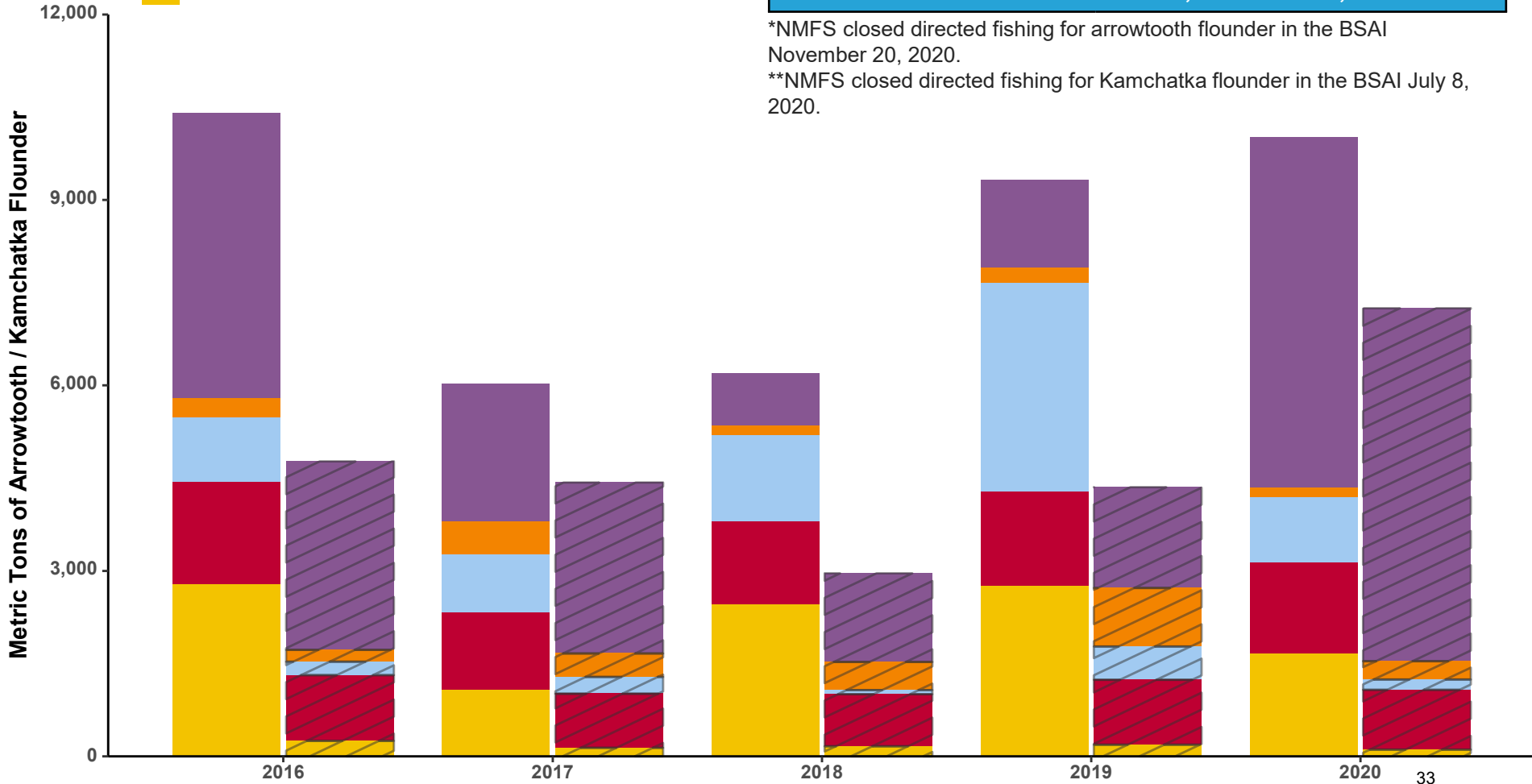
2016-2020 BSAI Arrowtooth / Kamchatka Flounder Catch



2020	TAC (mt)	Catch (mt)	%
Arrowtooth Flounder*	8,930	10,011	112%
Arrowtooth Flounder CDQ	1,070	350	33%
Kamchatka Flounder**	6,580	7,289	111%
TOTAL	16,150	17,650	109%

*NMFS closed directed fishing for arrowtooth flounder in the BSAI November 20, 2020.

**NMFS closed directed fishing for Kamchatka flounder in the BSAI July 8, 2020.



2020 Flatfish Catch in the BSAI

2020	ABC (mt)	Sector	TAC (mt)	Catch (mt)	%
Arrowtooth flounder*	71,618		8,930	10,011	112%
		CDQ	1,070	350	33%
Flathead sole**	68,134		14,693	8,627	59%
		CDQ	1,962	513	26%
Rock sole**	153,300		37,563	23,747	63%
		CDQ	4,565	2,080	46%
Yellowfin sole**	260,918		141,793	117,647	83%
		CDQ	16,725	11,921	71%
Kamchatka flounder Includes CDQ***	9,708		6,580	7,289	111%
Alaska plaice* Includes CDQ***	31,600		20,050	20,028	100%
Other flatfish Includes CDQ***	16,368		3,600	4,131	115%

*TAC increased from the nonspecified reserves.

**TAC changed from the Flatfish Exchanges.

***Includes CDQ means there is no CDQ allocation for that species



Arrowtooth Flounder



Flathead Sole



Rock Sole



Yellowfin Sole

2020 Changes in Flatfish TAC from Flatfish Exchanges

Group	Date	Flathead Sole		Rock Sole		Yellowfin Sole	
		TAC	Exchange	TAC	Exchange	TAC	Exchange
Initial	01-Jan	19,500		47,100		150,700	
CVRF	18-Sep	19,375	-125	46,925	-175	151,000	300
ALASKA SEAFOOD COOPERATIVE	28-Sep	17,845	-1,530	46,955	30	152,500	1,500
APICDA	08-Oct		0	46,655	-300	152,800	300
ALASKA SEAFOOD COOPERATIVE	02-Nov	16,654	-1,191	42,128	-4,527	158,518	5,718
Total Change			-2,846		-4,972		7,818

CVRF – Coastal Villages Region Fund

APICDA – Aleutian Pribilof Island Community Development Association

Number of Amendment 80 Catcher/Processors		Number of Motherships (non-pollock)		Number of CVs delivering to Motherships (non-pollock)	
2019	20	2019	10	2019	15
2020	19	2020	10	2020	9

2019 - 2020 CDQ Inter-Group Transfers

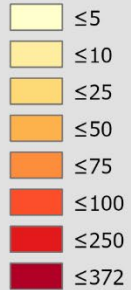
Species	Number of 2019 Transfers	Weight	Count
Arrowtooth Flounder	8	309	0
Atka Mackerel	10	1,229	0
Flathead Sole	3	326	0
Greenland Turbot	2	42	0
Pacific Cod	17	1,177	0
Pacific Ocean Perch	8	415	0
Pollock	2	6,005	0
Rock Sole	6	1,388	0
Sablefish	14	46	0
Yellowfin Sole	5	5,198	0
Chinook Salmon	2	0	338
Crab Species	8	0	365,815
Halibut	6	48	0
TOTAL	91	16,184	366,153

Species	Number of 2020 Transfers	Weight	Count
Arrowtooth Flounder	4	163	0
Atka Mackerel	8	575	0
Flathead Sole	2	451	0
Greenland Turbot	1	42	0
Pacific Cod	9	529	0
Pacific Ocean Perch	7	328	0
Rock Sole	4	942	0
Sablefish	7	21	0
Yellowfin Sole	5	5,054	0
Crab Species	8	0	136,455
Halibut	4	39	0
TOTAL	59	8,144	136,455

2020 Skates Catch

BSAI Skates

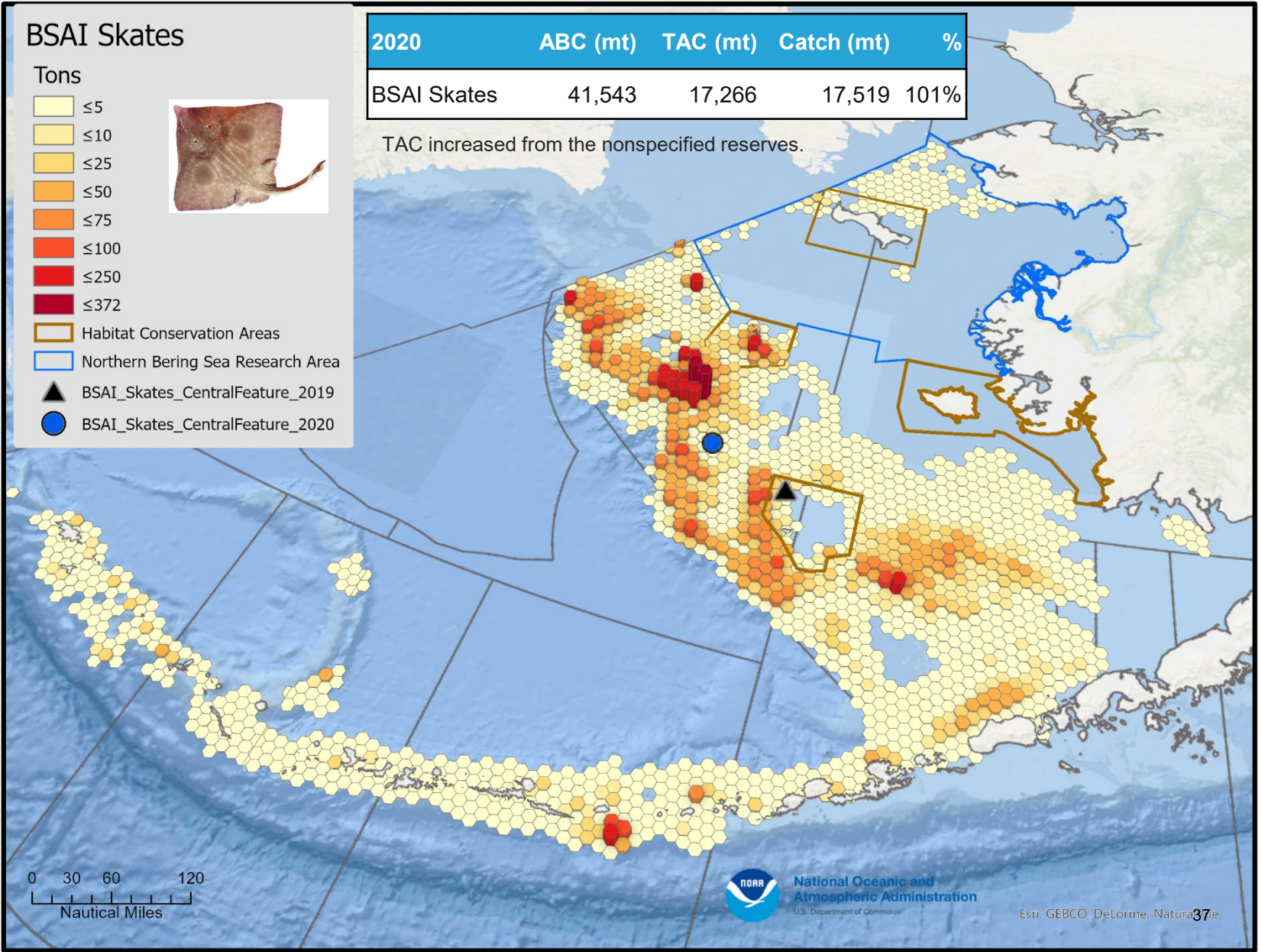
Tons



- Habitat Conservation Areas
- Northern Bering Sea Research Area
- BSAI_Skates_CentralFeature_2019
- BSAI_Skates_CentralFeature_2020

2020	ABC (mt)	TAC (mt)	Catch (mt)	%
BSAI Skates	41,543	17,266	17,519	101%

TAC increased from the nonspecified reserves.



2020 BSAI Sharks and Octopus

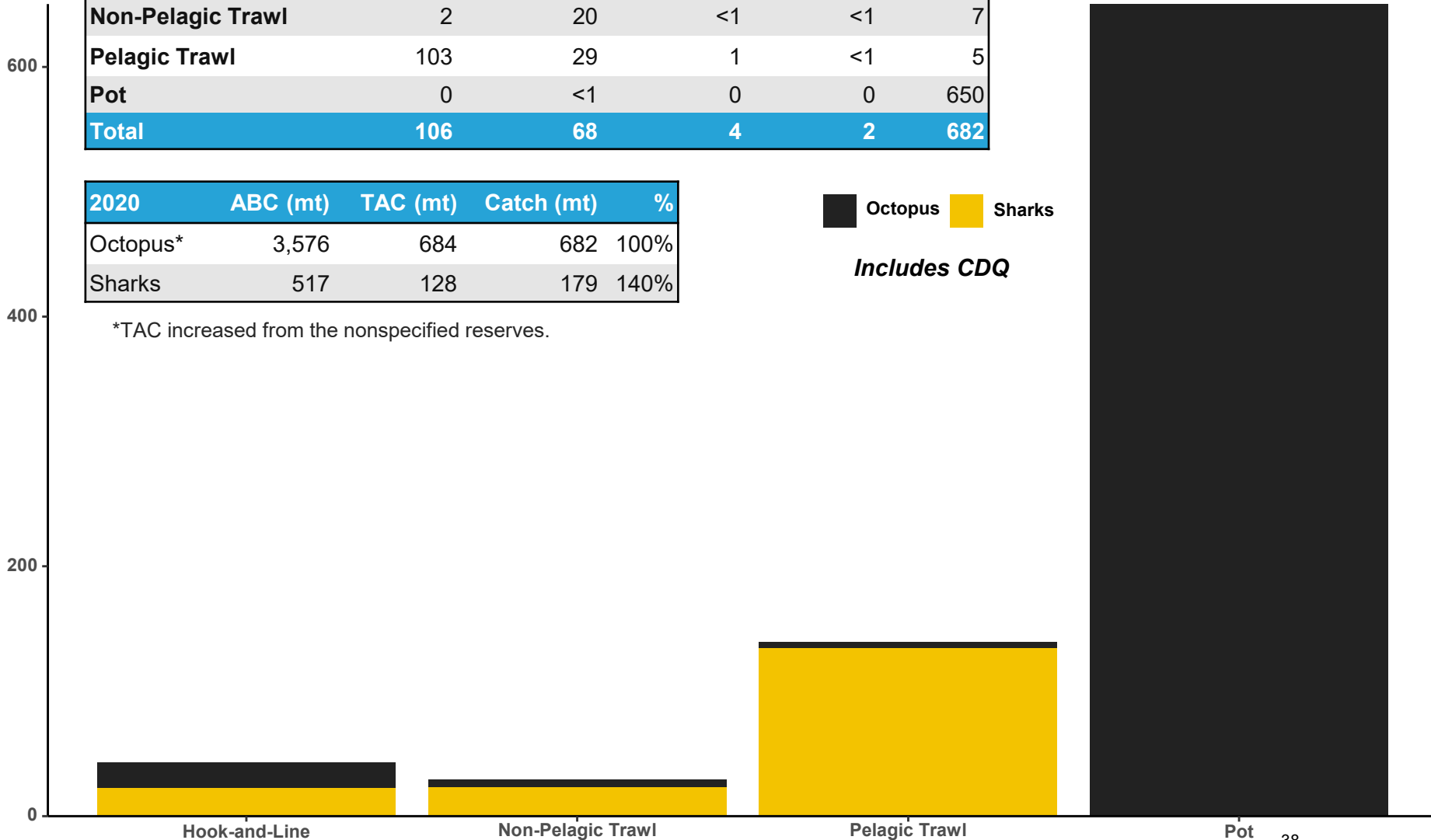
2020 (all weights in mt)	Salmon Sharks	Sleeper Sharks	Spiny Dogfish	Other Sharks	Octopus
Hook-and-Line	0	18	3	1	20
Non-Pelagic Trawl	2	20	<1	<1	7
Pelagic Trawl	103	29	1	<1	5
Pot	0	<1	0	0	650
Total	106	68	4	2	682

2020	ABC (mt)	TAC (mt)	Catch (mt)	%
Octopus*	3,576	684	682	100%
Sharks	517	128	179	140%

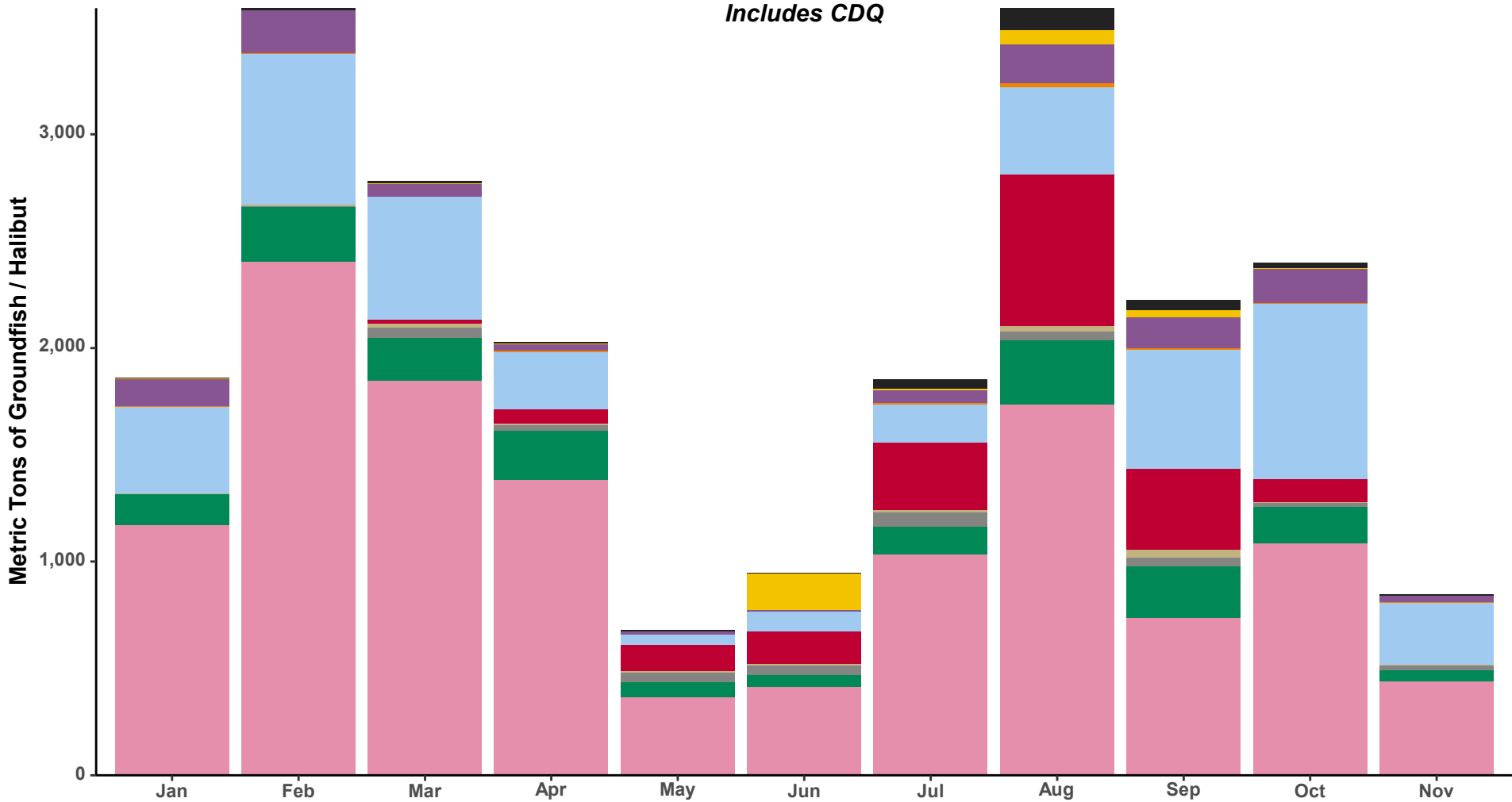
*TAC increased from the nonspecified reserves.

■ Octopus ■ Sharks

Includes CDQ



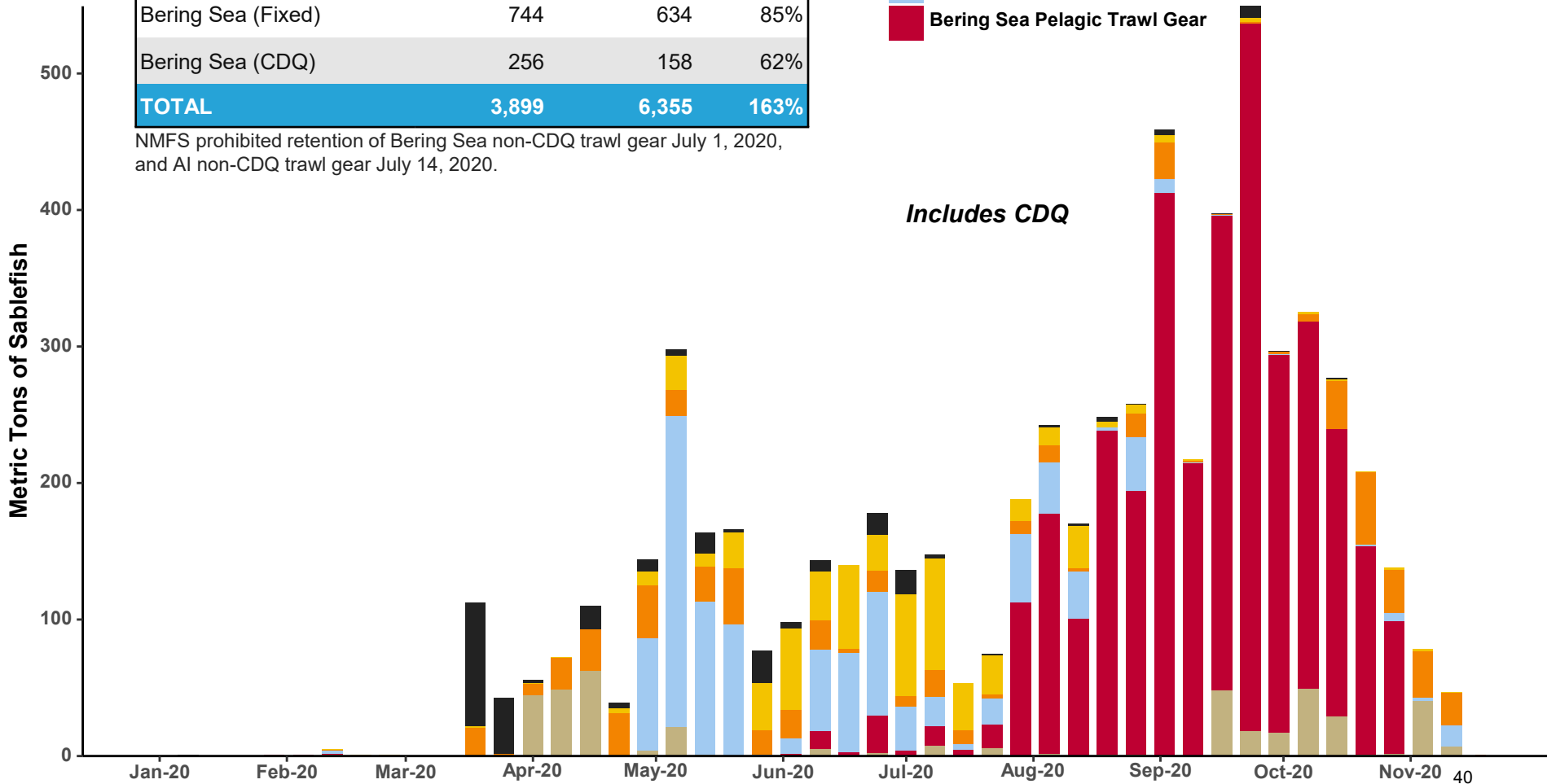
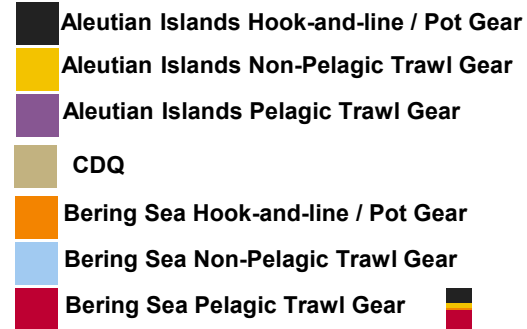
2020 BSAI Hook-and-Line Non Pacific Cod Catch



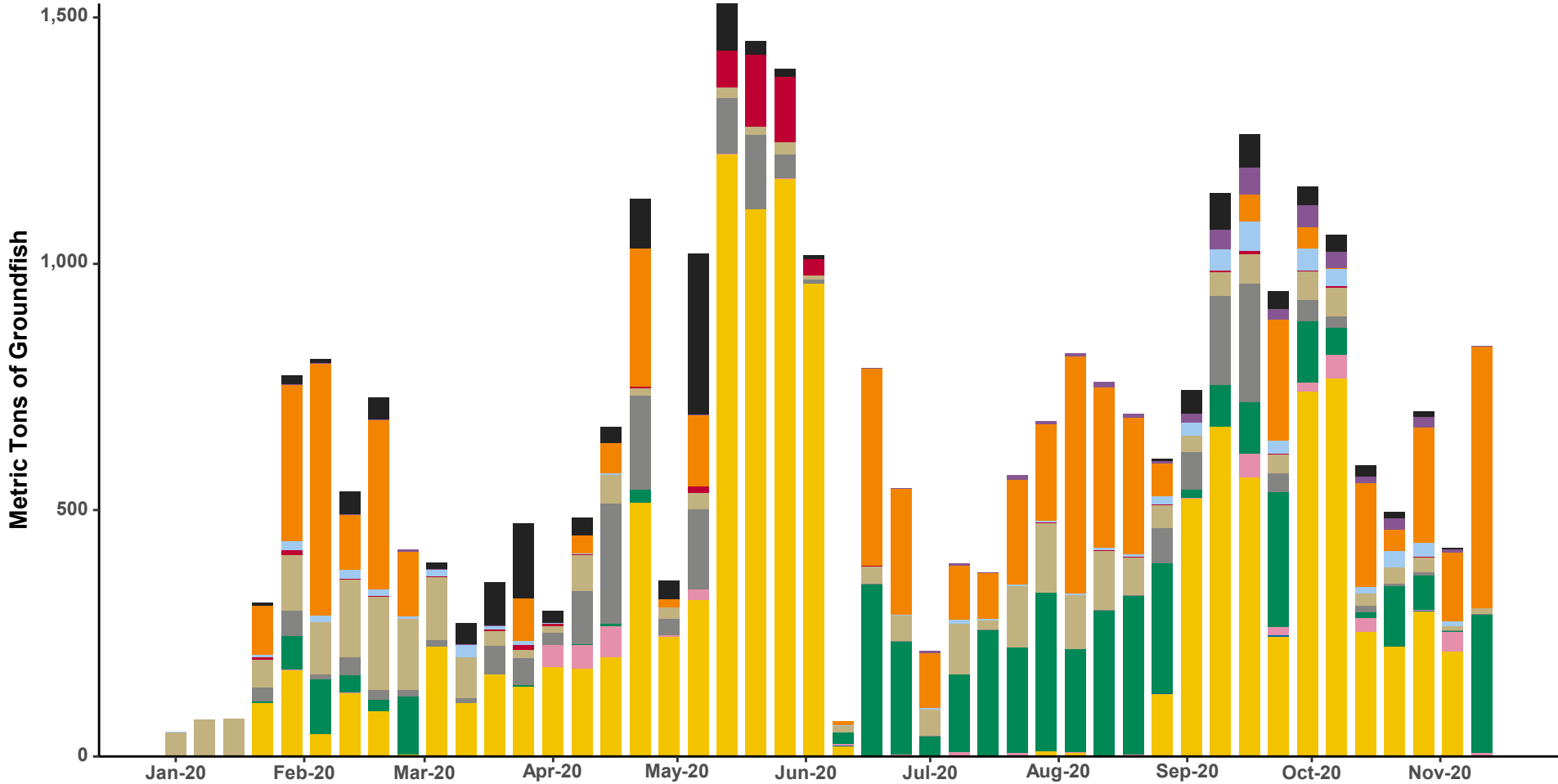
2020 BSAI Sablefish Catch

2020	TAC (mt)	Catch (mt)	%
Aleutian Islands (Trawl)	471	602	128%
Aleutian Islands (Fixed)	1,223	293	24%
Aleutian Islands (CDQ)	344	235	68%
Bering Sea (Trawl)	861	4,433	515%
Bering Sea (Fixed)	744	634	85%
Bering Sea (CDQ)	256	158	62%
TOTAL	3,899	6,355	163%

NMFS prohibited retention of Bering Sea non-CDQ trawl gear July 1, 2020, and AI non-CDQ trawl gear July 14, 2020.



2020 CDQ Non Pollock / Pacific Cod Catch by Species



2020 Non-specified Reserve Releases

Species	Initial TAC (mt)	Reallocations	Revised TAC	Catch (mt)	%
AI Greenland Turbot	149	+550	699	673	96%
AI Sablefish	2,000	+38	2,038	1,130	55%
BS Sablefish	1,791	+70	1,861	5,225	281%
BSEAI Rougheye Rockfish	72	+60	132	127	113%
CAI-WAI Rougheye Rockfish	224	+40	224	333	149%
BSAI Alaska Plaice	14,450	+5,600	20,050	20,028	115%
BSAI Arrowtooth Flounder	8,500	+430	8,930	10,361	108%
BSAI Kamchatka Flounder	5,780	+800	6,580	7,289	111%
BSAI Other Flatfish	3,400	+721	4121	302	51%
BSAI Octopus	234	+450	684	682	100%
BSAI Skates	13,866	3,340	17,206	17,519	101%
Reserves	12,099	-12,099	0		

BSAI Groundfish Species Placed on Prohibited Species Status

2019			Date
Sablefish	Bering Sea	Non-CDQ Trawl	June 29
Other Rockfish	Aleutian Islands	All	August 06
Rougheye Rockfish	Aleutian Islands - Central 542	All	August 06
Rougheye Rockfish	Aleutian Islands - Western 543	All	August 06
Shortraker Rockfish	Aleutian Islands - Central 542	All	August 06
Shortraker Rockfish	Aleutian Islands - Western 543	All	August 06

2020			Date
Pacific Cod	Bering Sea Aleutian Islands	AFA Catcher Processor	May 04
Sablefish	Aleutian Islands	Non-CDQ Trawl	July 14
Sablefish	Bering Sea	Non-CDQ Trawl	July 01
Greenland Turbot	Aleutian Islands	All	July 28
Other Rockfish	Aleutian Islands	All	July 28
Rougheye Rockfish	Western 543- Central 542 AI	All	August 20

2019 - 2020 BSAI Trawl Groundfish Retained and Discards

2019 Trawl	Retained	Discards	% Retained	2020 Trawl	Retained	Discards	% Retained
Pollock	1,396,069	8,470	99%	Pollock	1,352,716	11,441	99%
Yellowfin Sole	125,071	1,671	99%	Yellowfin Sole	127,565	1,340	99%
Atka Mackerel	56,598	587	99%	Atka Mackerel	57,695	629	99%
Pacific Cod	58,154	483	99%	Pacific Cod*	51,864	1,235	98%
Pacific Ocean Perch	39,803	3,314	92%	Pacific Ocean Perch	34,212	2,856	92%
Rock Sole	24,278	1,419	94%	Rock Sole	24,607	1,206	95%
Alaska Plaice	15,561	602	96%	Alaska Plaice	18,556	1,471	93%
Arrowtooth Flounder	8,836	922	91%	Arrowtooth Flounder	9,557	549	95%
Flathead Sole	14,877	460	97%	Flathead Sole	8,108	568	93%
Northern Rockfish	8,576	450	95%	Northern Rockfish	7,292	1,086	87%
Kamchatka Flounder	4,155	282	94%	Kamchatka Flounder	7,085	164	98%
Sablefish*	1,318	1,420	48%	Sablefish*	2,227	2,832	44%
Skate	3,229	3,424	49%	Skate	2,068	2,866	42%
Other Flatfish	1,088	2,590	30%	Other Flatfish	1,136	2,870	28%
Sculpin	37	3,446	1%	Sculpin	56	2,685	2%
Greenland Turbot	2,265	39	98%	Greenland Turbot*	1,965	64	97%
Other Rockfish*	823	358	70%	Other Rockfish*	531	391	58%
Rougheye Rockfish*	266	100	73%	Rougheye Rockfish*	337	94	78%
Shortraker Rockfish*	284	63	82%	Shortraker Rockfish	177	39	82%
Other Species	11	125	8%	Other Species	19	149	11%
TOTAL	1,761,300	30,225	98%	TOTAL	1,707,772	34,535	98%

Sorted by 2020 retained catch, *Retention prohibited during the year.

2019 - 2020 BSAI Fixed Gear Groundfish Retained and Discards

2019 Hook-and-Line	Retained	Discards	% Retained
Pacific Cod	89,628	1,571	98%
Skate	6,428	7,058	48%
Pollock	5,666	687	89%
Sculpin	4	1,892	0%
Other Flatfish	35	1,295	3%
Sablefish	277	181	60%
Arrowtooth Flounder	131	197	40%
Greenland Turbot	522	21	96%
Other Rockfish*	35	81	31%
Other Species	15	42	27%
Rougheye Rockfish*	6	20	23%
Shark	0	35	0%
Shortraker Rockfish*	1	31	5%
TOTAL	102,749	13,109	89%

2020 Hook-and-Line	Retained	Discards	% Retained
Pacific Cod	68,809	1,090	98%
Skate	6,013	6,572	48%
Pollock	3,927	432	90%
Sculpin	1	1,859	0%
Other Flatfish	39	971	4%
Sablefish	185	171	52%
Arrowtooth Flounder	121	169	42%
Greenland Turbot*	270	12	96%
Other Rockfish*	22	76	23%
Other Species	17	20	47%
Rougheye Rockfish*	8	20	29%
Shark	0	22	0%
Shortraker Rockfish	4	3	58%
TOTAL	79,417	11,417	87%

2019 Pot	Retained	Discards	% Retained
Pacific Cod	27,009	41	100%
Sablefish	595	27	96%
Octopus	116	90	56%
Other Species	46	823	5%
TOTAL	27,766	982	97%

2020 Pot	Retained	Discards	% Retained
Pacific Cod	19,715	47	100%
Sablefish	910	31	97%
Octopus	135	515	21%
Other Species	42	551	7%
TOTAL	20,802	1,144	95%

Sorted by 2020 retained catch, *Retention prohibited during the year.

2020 Salmon, Crab, and Herring PSC

Chinook Salmon	Total Catch (#)	Limit (#)	%
BS Pollock Fishery	32,180	60,000	54%
AI Pollock Fishery	109	700	16%
BSAI Non-Pollock Fisheries	2,520		

Non-Chinook Salmon	Total Catch (#)	Limit (#)	%
BS Pollock Fishery	317,883	N/A	N/A%
AI Pollock Fishery	210	N/A	N/A%
BSAI Non-Pollock Fisheries	2,410	N/A	N/A%

Trawl Gear

Other PSC Species	Total Catch
Opilio Tanner Crab (#)	769,089
Bairdi Tanner Crab (#)	558,742
Red King Crab (#)	61,818
Blue King Crab (#)	169
Golden King Crab (#)	13,389
Herring (mt)	3,933

Fixed Gear

Other PSC Species	Total Catch
Opilio Tanner Crab (#)	147,960
Bairdi Tanner Crab (#)	87,251
Red King Crab (#)	23,202
Blue King Crab (#)	1,470
Golden King Crab (#)	8,675

BSAI Halibut Catch

Fixed Gear Halibut Catch

Fixed Gear Halibut (mt)	Retained	Discard *	Mortality **	Limit	%
IFQ/CDQ Halibut Fishery	1,878			NA	
IFQ/CDQ Sablefish Fishery		10	2	NA	
Pacific Cod/Other Groundfish Targets		884	82	710	12%
TOTAL	1,878	894	84	NA	

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

IFQ Sablefish and Pacific Cod/Other groundfish target discard mortality rates are 9% for HAL catcher/processors, 9% for HAL catcher/vessels, and 27% for pot gear.

Trawl Halibut Mortality*

Target	Mortality * (mt)	Limit (mt)
Arrowtooth/Kamchatka/Turbot	138	N/A
Atka Mackerel	33	
Flathead Sole/Other Flatfish	44	
Pacific Cod	151	
Pollock	91	
Rockfish	26	
Rock Sole	256	
Yellowfin Sole	679	
TOTAL	1,417	

Includes 568 mt deck sorted halibut mortality by 21 vessels.

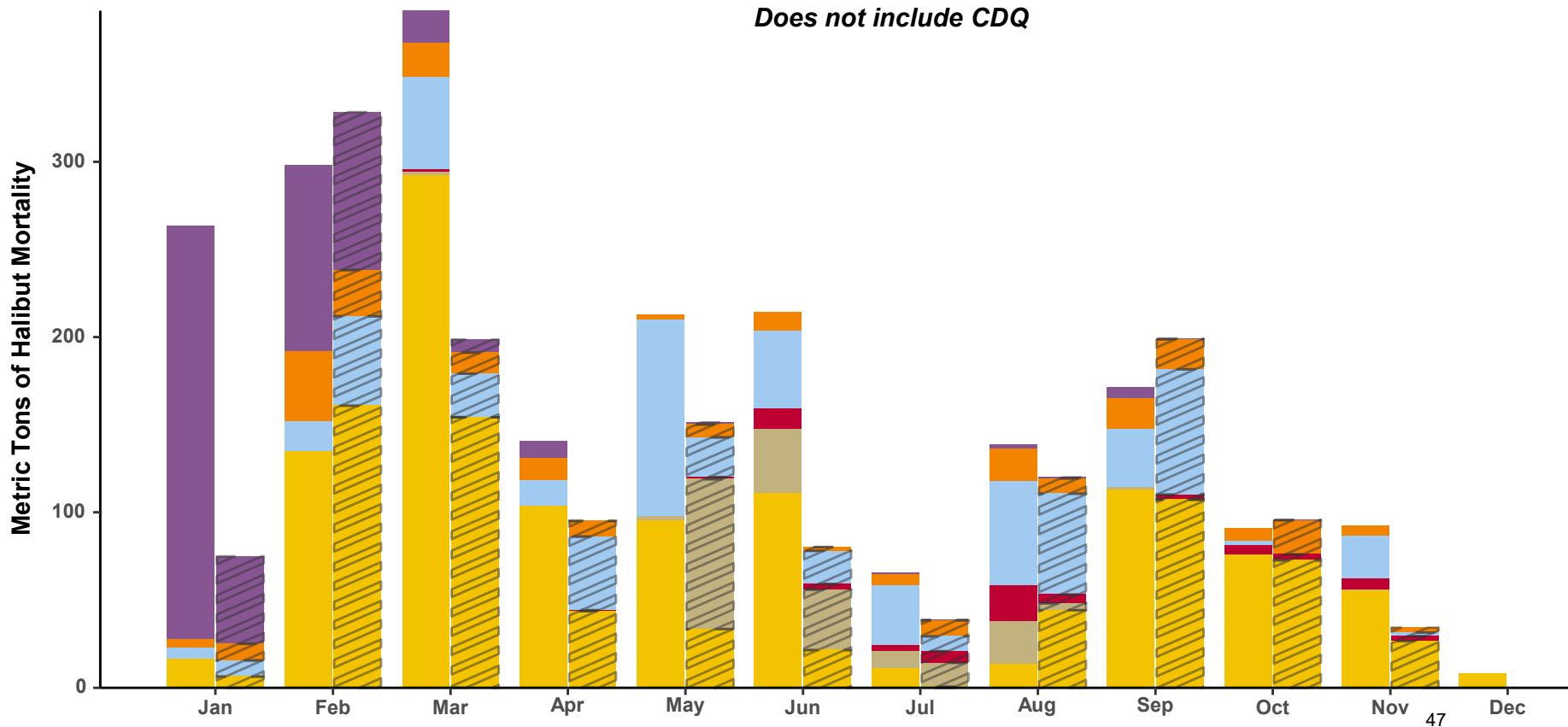
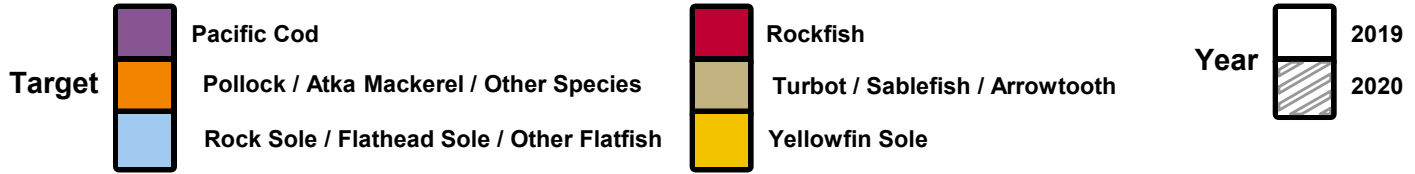
Does not include CDQ.

EFP Deck Sorting Halibut Mortality

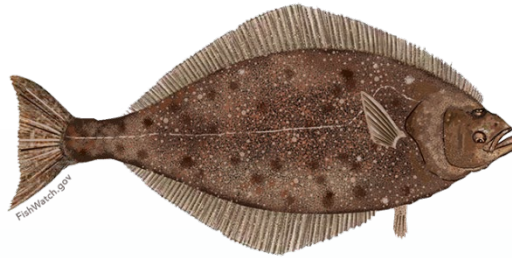
Year	EFP Mortality (mt)	Vessels	% of Trawl Halibut Mortality
2016	222	12	10%
2017	595	17	34%
2018	937	21	48%
2019	1,161	22	51%

2019-2020 BSAI Trawl Halibut Mortality

Trawl Halibut	Mortality (mt)	Limit (mt)	%
2019	2,083	2,490	84%
2020	1,417	2,490	57%



2020 BSAI Reduction in Halibut Mortality Compared to 5-Year Average



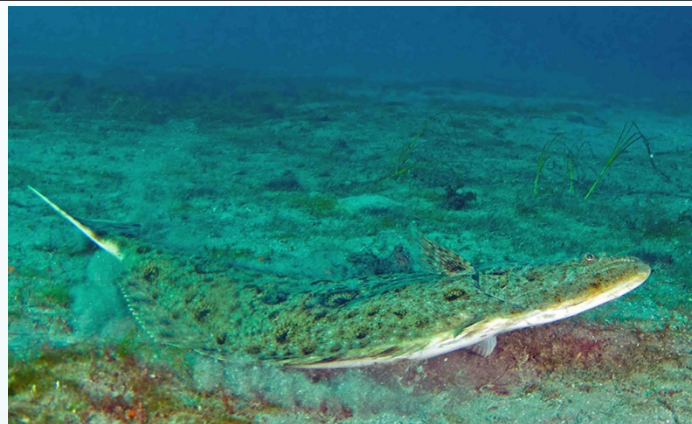
	Sector	2015-2019 Average (mt)	2020 (mt)	% Change (mt)	2015-2019 Rate*	2020 Rate*	% Change in Rate
Hook-and-Line	Catcher/Processors	172	68	-60%	1.31	0.88	-33%
	Catcher Vessels	2	2	22%	2.74	2.16	-21%
Hook-and-Line	Total	174	70	-60%	1.32	0.89	-32%
Non-Pelagic Trawl	Amendment 80 Catcher/Processors	1,405	1,047	-26%	4.57	3.47	-24%
	AFA Catcher/Processors	70	34	-52%	4.59	2.77	-40%
	Catcher Vessels	374	262	-30%	6.36	4.94	-22%
Non-Pelagic Trawl	Total	1,849	1,342	-27%	4.85	3.66	-25%
Pelagic Trawl	AFA Catcher/Processors	58	56	-4%	0.12	0.12	-4%
	AFA Catcher Vessels	18	19	5%	0.03	0.03	2%
Pelagic Trawl	Total	77	75	-2%	0.06	0.06	-4%
CDQ	Hook-and-Line Vessels	16	8	-49%	0.84	0.73	-13%
	Non-Pelagic Trawl Vessels	135	90	-34%	3.56	2.81	-21%
	Pelagic Trawl Vessels	9	10	3%	0.07	0.07	10%
CDQ	Total	161	107	-33%	0.82	0.62	-24%
TOTAL	Total	2,260	1,595	-29%	1.19	0.87	-27%

* Rate is kg of halibut / mt of groundfish

2020 BSAI Reduction in Halibut Mortality Compared to 2019

Sector		2019 (mt)	2020 ** (mt)	% Change (mt)	2019 Rate *	2020 Rate *	% Change in Rate
Hook-and-Line	Catcher/Processors	78	68	-13%	0.78	0.88	12%
	Catcher Vessels	2	2	24%	1.39	2.16	55%
Hook-and-Line	Total	80	70	-12%	0.79	0.89	13%
Non-Pelagic Trawl	Amendment 80 Catcher/Processors	1,460	1,047	-28%	4.73	3.47	-27%
	AFA Catcher/Processors	39	34	-15%	4.26	2.77	-35%
	Catcher Vessels	502	262	-48%	9.12	4.94	-46%
Non-Pelagic Trawl	Total	2,001	1,342	-33%	5.36	3.66	-32%
Pelagic Trawl	AFA Catcher/Processors	66	56	-15%	0.13	0.12	-11%
	AFA Catcher Vessels	16	19	23%	0.02	0.03	24%
Pelagic Trawl	Total	82	75	-8%	0.07	0.06	-6%
CDQ	Hook-and-Line Vessels	4	8	96%	0.30	0.73	140%
	Non-Pelagic Trawl Vessels	168	90	-46%	4.87	2.81	-42%
	Pelagic Trawl Vessels	17	10	-43%	0.12	0.07	-37%
CDQ	Total	189	107	-43%	0.99	0.62	-37%
TOTAL	Total	2,351	1,595	-32%	1.23	0.87	-29%

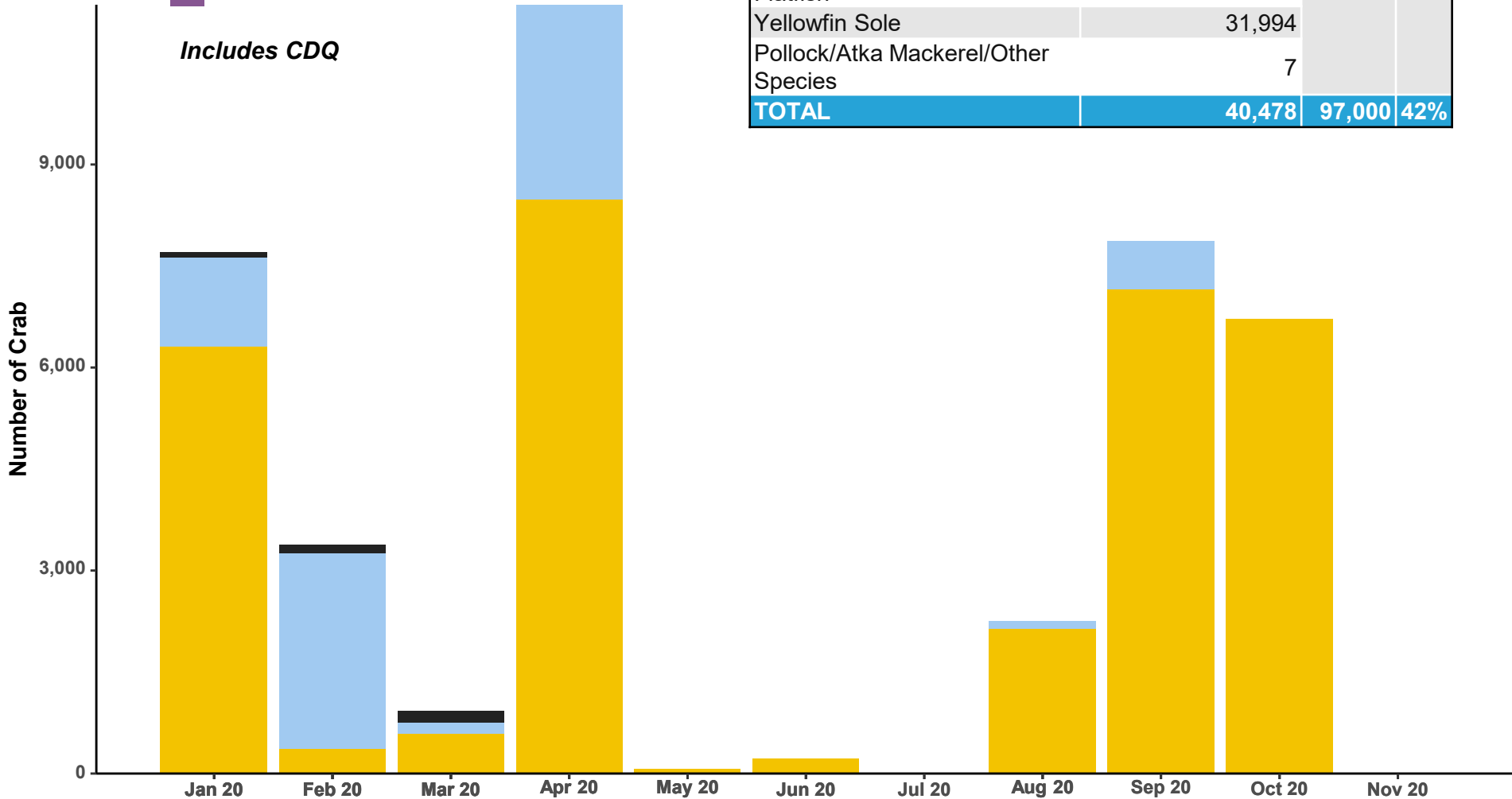
* Rate is kg of halibut / mt of groundfish



2020 Zone 1 Trawl Red King Crab Incidental Catch by Target

- Rock Sole / Flathead Sole / Other Flatfish
- Yellowfin Sole
- Pacific Cod
- Pollock / Atka Mackerel / Other Species

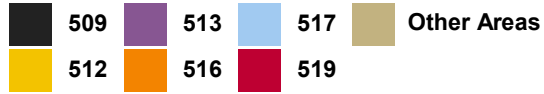
Includes CDQ



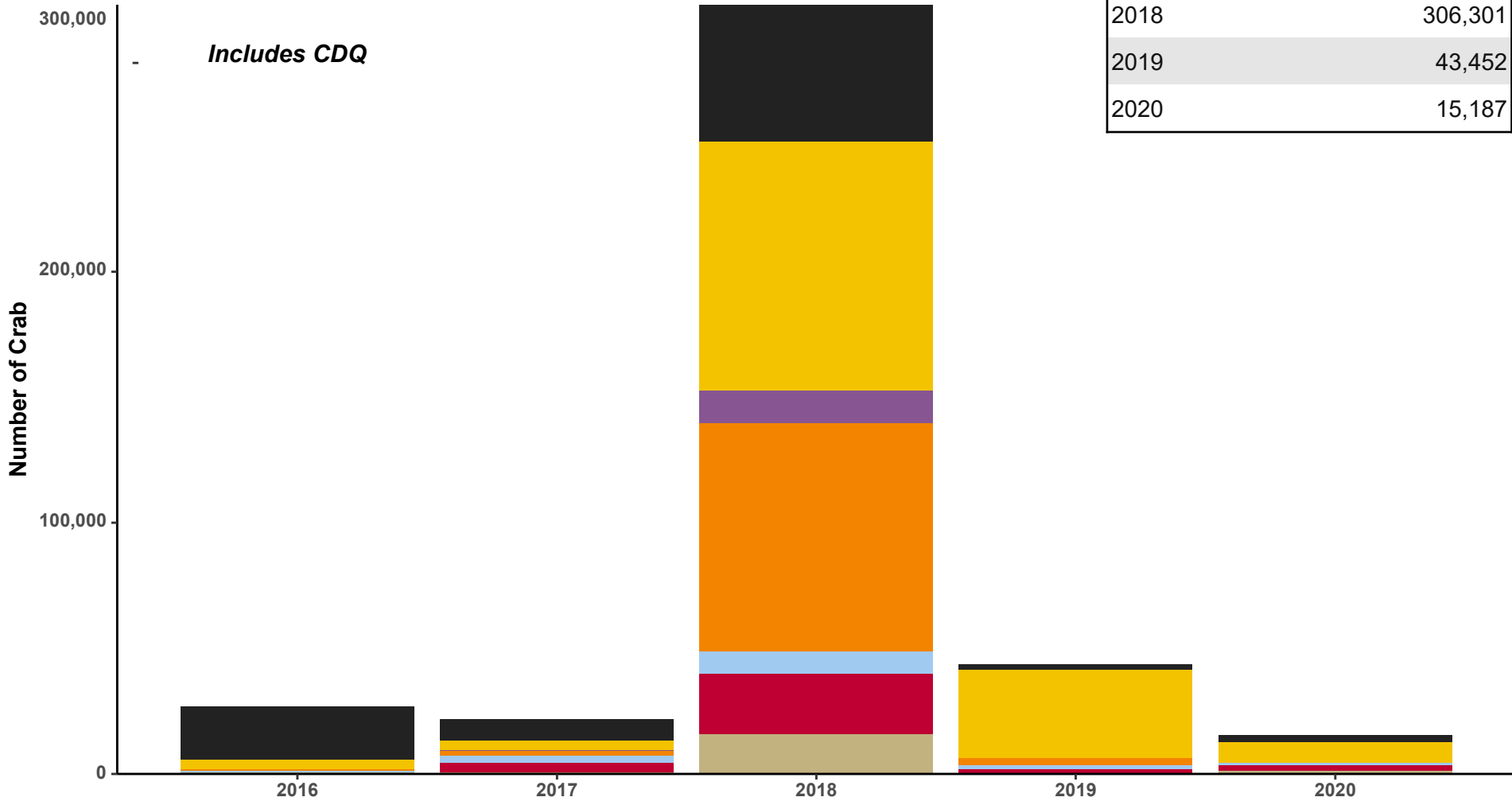
Target	Red King Crab Catch (#)	Limit (#)	%
Pacific Cod	390		
Rock Sole/Flathead Sole/Other Flatfish	8,087		
Yellowfin Sole	31,994		
Pollock/Atka Mackerel/Other Species	7		
TOTAL	40,478	97,000	42%

2016-2020 Fixed Gear Red King Crab Incidental Catch

Area



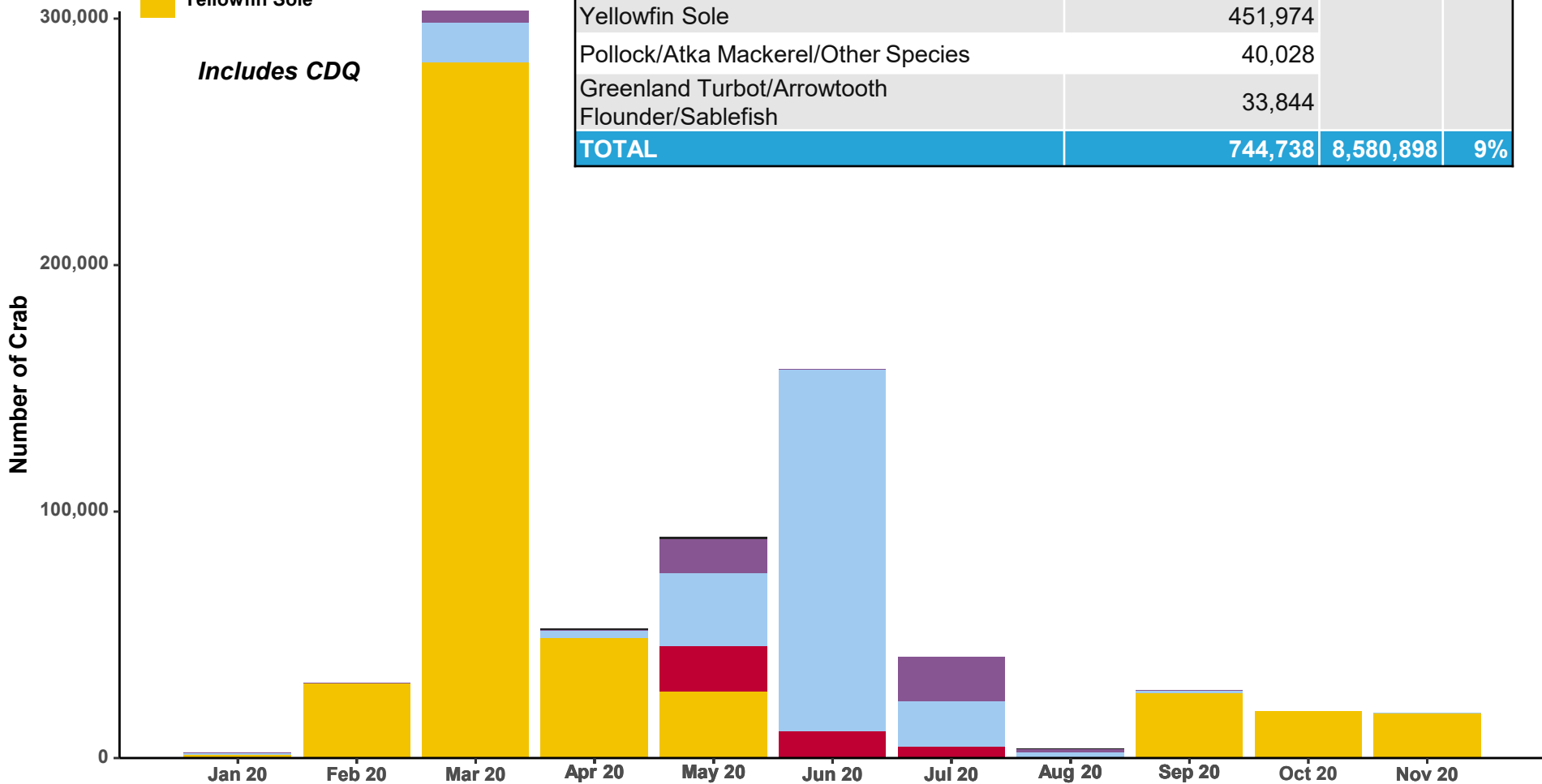
Year	Red King Crab Catch (#)
2016	26,637
2017	21,584
2018	306,301
2019	43,452
2020	15,187



2020 COBLZ Trawl Opilio Crab Incidental Catch by Target

- Pacific Cod
- Pollock / Atka Mackerel / Other Species
- Rock Sole / Flathead Sole / Other Flatfish
- Turbot / Arrowtooth / Sablefish
- Yellowfin Sole

Target	Opilio Crab Catch (#)	Limit (#)	%
Pacific Cod	1,567		
Rock Sole/Flathead Sole/Other Flatfish	217,325		
Yellowfin Sole	451,974		
Pollock/Atka Mackerel/Other Species	40,028		
Greenland Turbot/Arrowtooth Flounder/Sablefish	33,844		
TOTAL	744,738	8,580,898	9%

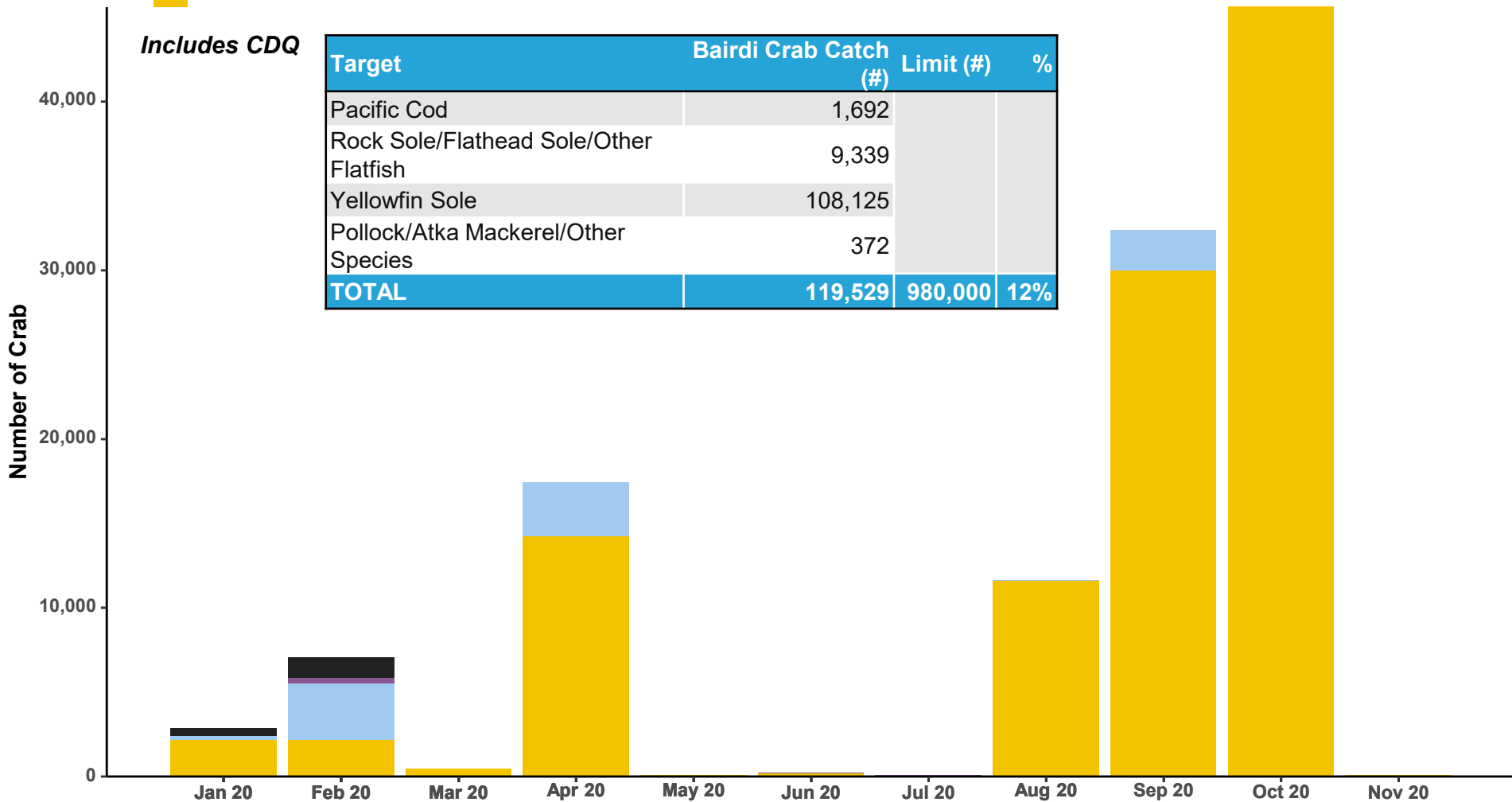


2020 Zone 1 Trawl Bairdi Crab Incidental Catch by Target

- Pacific Cod
- Pollock / Atka Mackerel / Other Species
- Rock Sole / Flathead Sole / Other Flatfish
- Yellowfin Sole

Includes CDQ

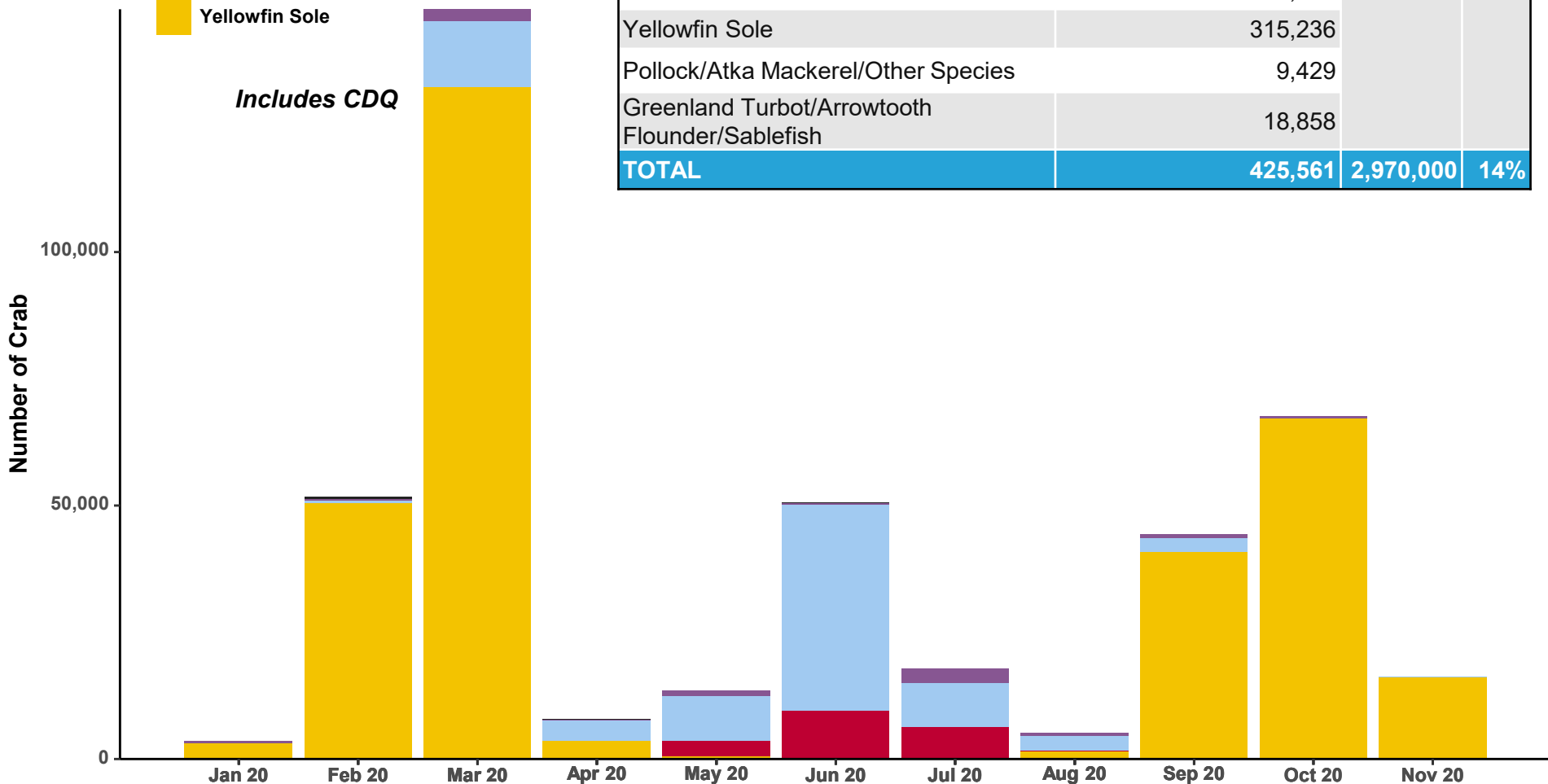
Target	Bairdi Crab Catch (#)	Limit (#)	%
Pacific Cod	1,692		
Rock Sole/Flathead Sole/Other Flatfish	9,339		
Yellowfin Sole	108,125		
Pollock/Atka Mackerel/Other Species	372		
TOTAL	119,529	980,000	12%



2020 Zone 2 Trawl Bairdi Crab Incidental Catch by Target

- Pacific Cod
- Pollock / Atka Mackerel / Other Species
- Rock Sole / Flathead Sole / Other Flatfish
- Turbot / Arrowtooth / Sablefish
- Yellowfin Sole

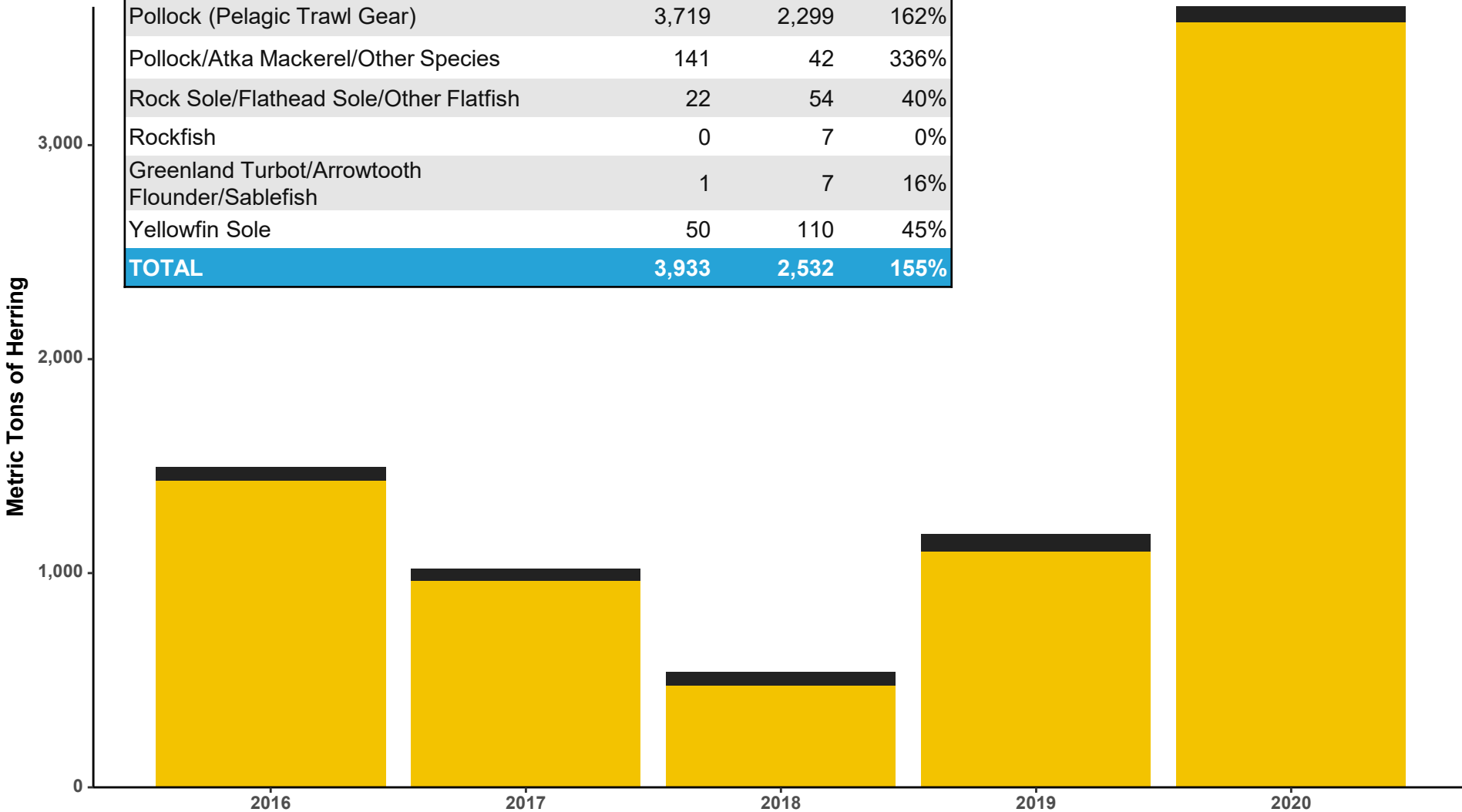
Target	Bairdi Crab Catch (#)	Limit (#)	%
Pacific Cod	812		
Rock Sole/Flathead Sole/Other Flatfish	81,226		
Yellowfin Sole	315,236		
Pollock/Atka Mackerel/Other Species	9,429		
Greenland Turbot/Arrowtooth Flounder/Sablefish	18,858		
TOTAL	425,561	2,970,000	14%



2016-2020 BSAI Trawl Herring Incidental Catch

Target	Herring Catch (mt)	Limit (mt)	%
Pacific Cod	0	13	1%
Pollock (Pelagic Trawl Gear)	3,719	2,299	162%
Pollock/Atka Mackerel/Other Species	141	42	336%
Rock Sole/Flathead Sole/Other Flatfish	22	54	40%
Rockfish	0	7	0%
Greenland Turbot/Arrowtooth Flounder/Sablefish	1	7	16%
Yellowfin Sole	50	110	45%
TOTAL	3,933	2,532	155%

Non-Pelagic Trawl Gear
 Pelagic Trawl Gear

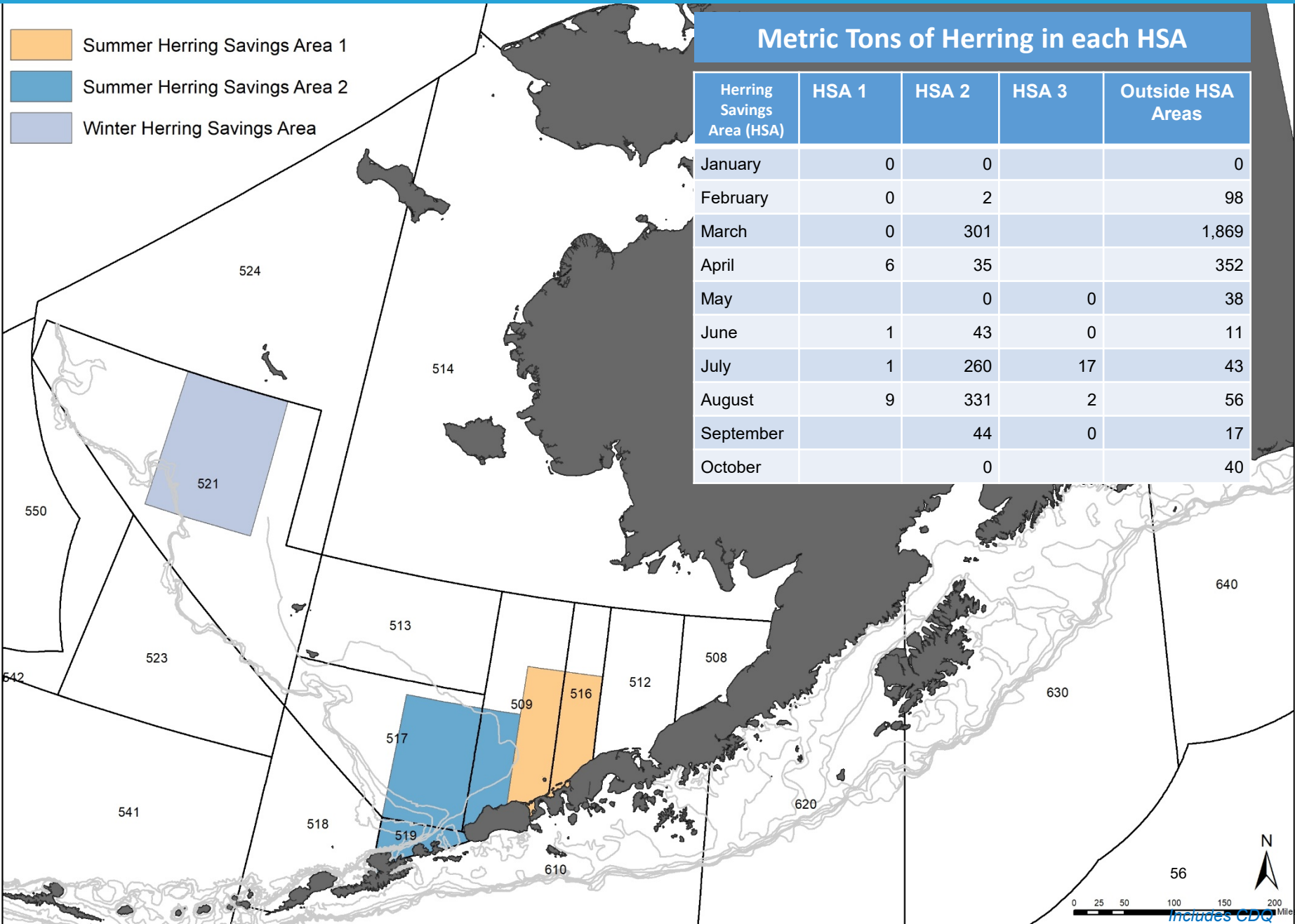


2020 Pacific Herring Catch by Herring Savings Areas

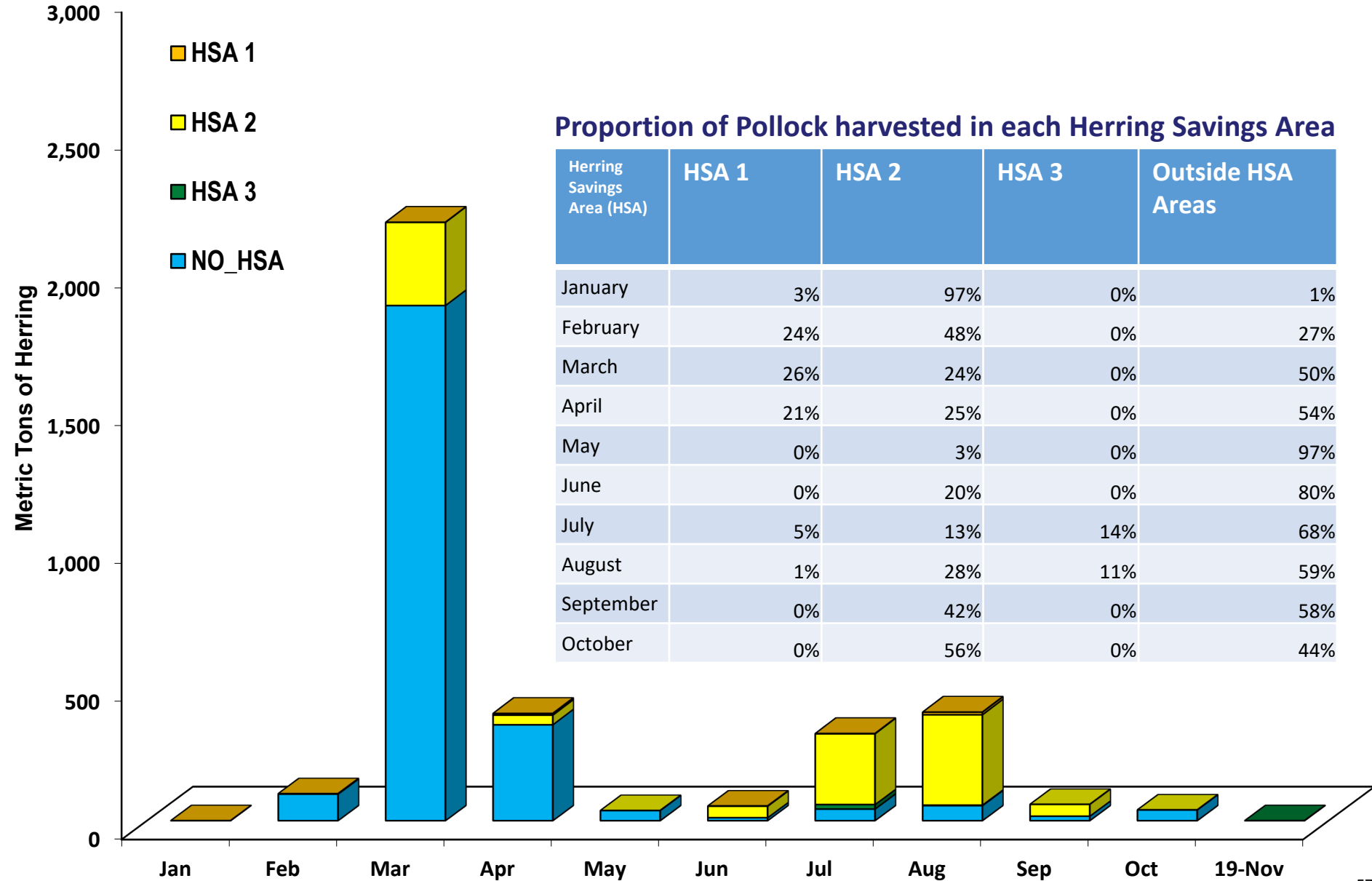
- Summer Herring Savings Area 1
- Summer Herring Savings Area 2
- Winter Herring Savings Area

Metric Tons of Herring in each HSA

Herring Savings Area (HSA)	HSA 1	HSA 2	HSA 3	Outside HSA Areas
January	0	0		0
February	0	2		98
March	0	301		1,869
April	6	35		352
May		0	0	38
June	1	43	0	11
July	1	260	17	43
August	9	331	2	56
September		44	0	17
October		0		40

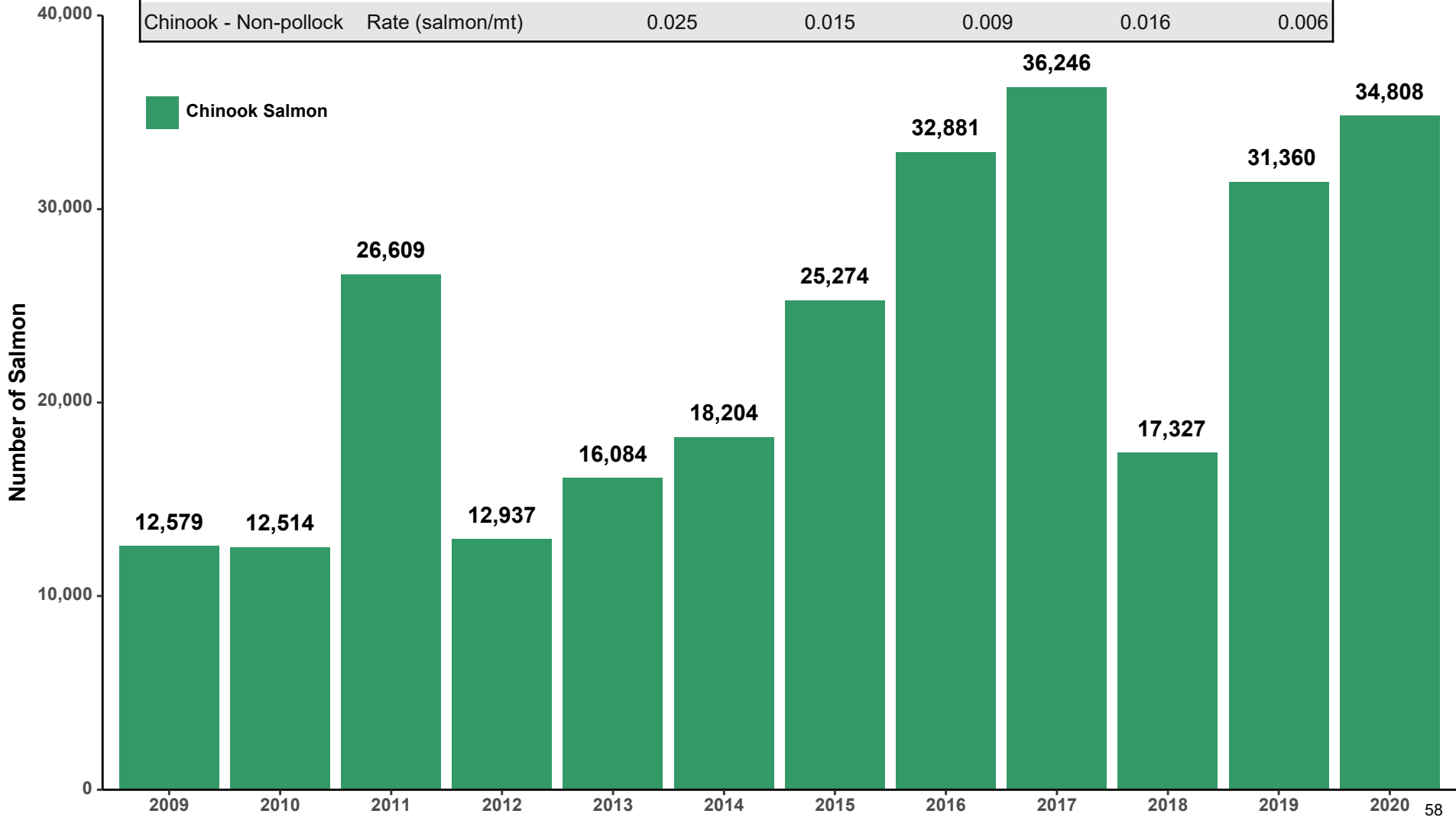


2020 Pacific Herring Catch by Herring Savings Areas

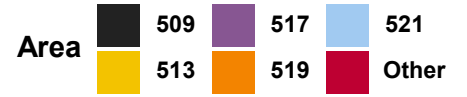


BSAI Trawl Chinook Salmon Incidental Catch

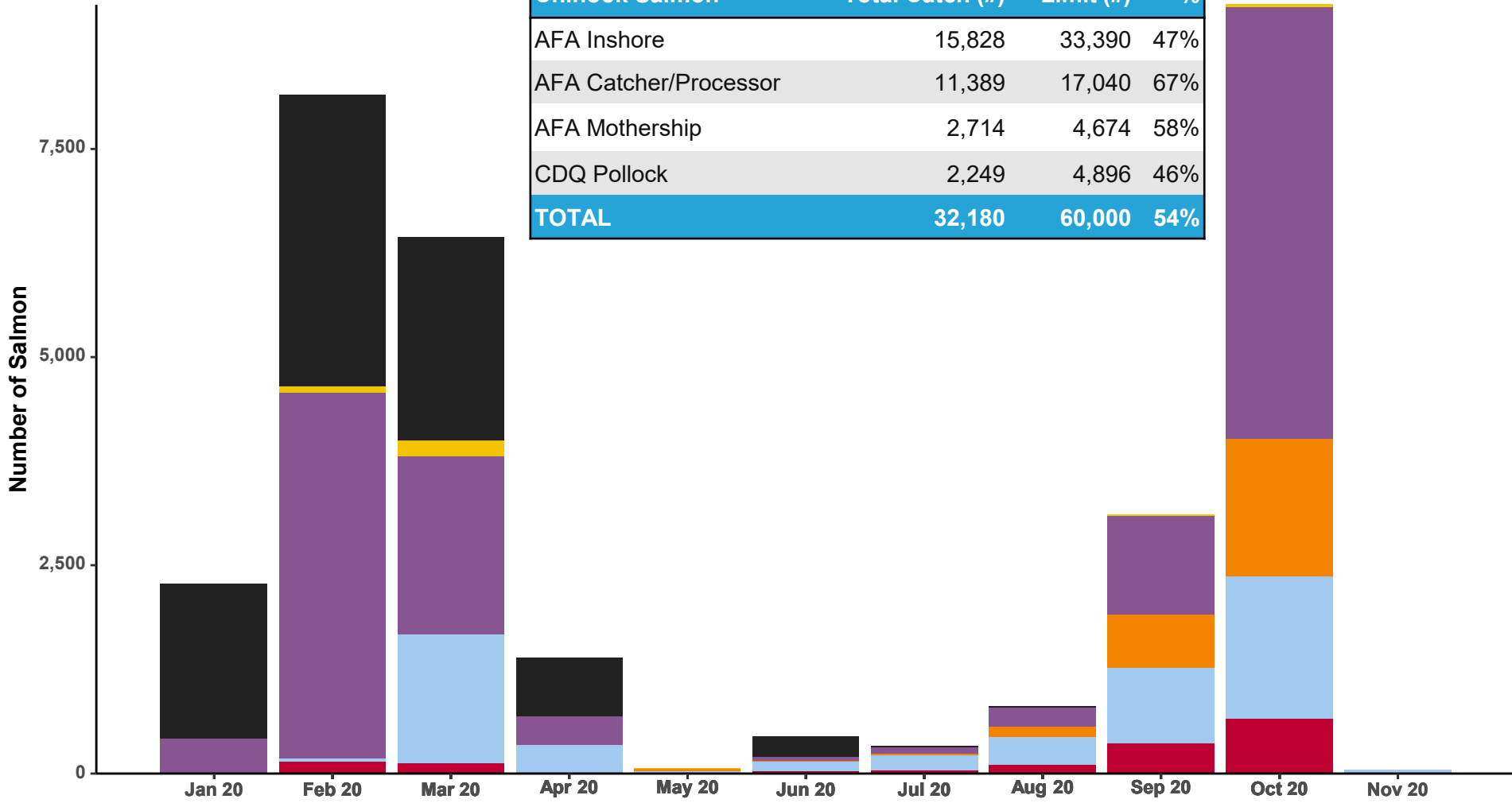
Chinook Salmon		2016	2017	2018	2019	2020
Chinook - Pollock	(#)	21,926	30,076	13,745	24,985	32,288
Chinook - Pollock	Rate (salmon/mt)	0.017	0.023	0.010	0.018	0.024
Chinook - Non-pollock	(#)	10,955	6,170	3,582	6,375	2,520
Chinook - Non-pollock	Rate (salmon/mt)	0.025	0.015	0.009	0.016	0.006



2020 BSAI Pollock Fishery Chinook Salmon Incidental Catch



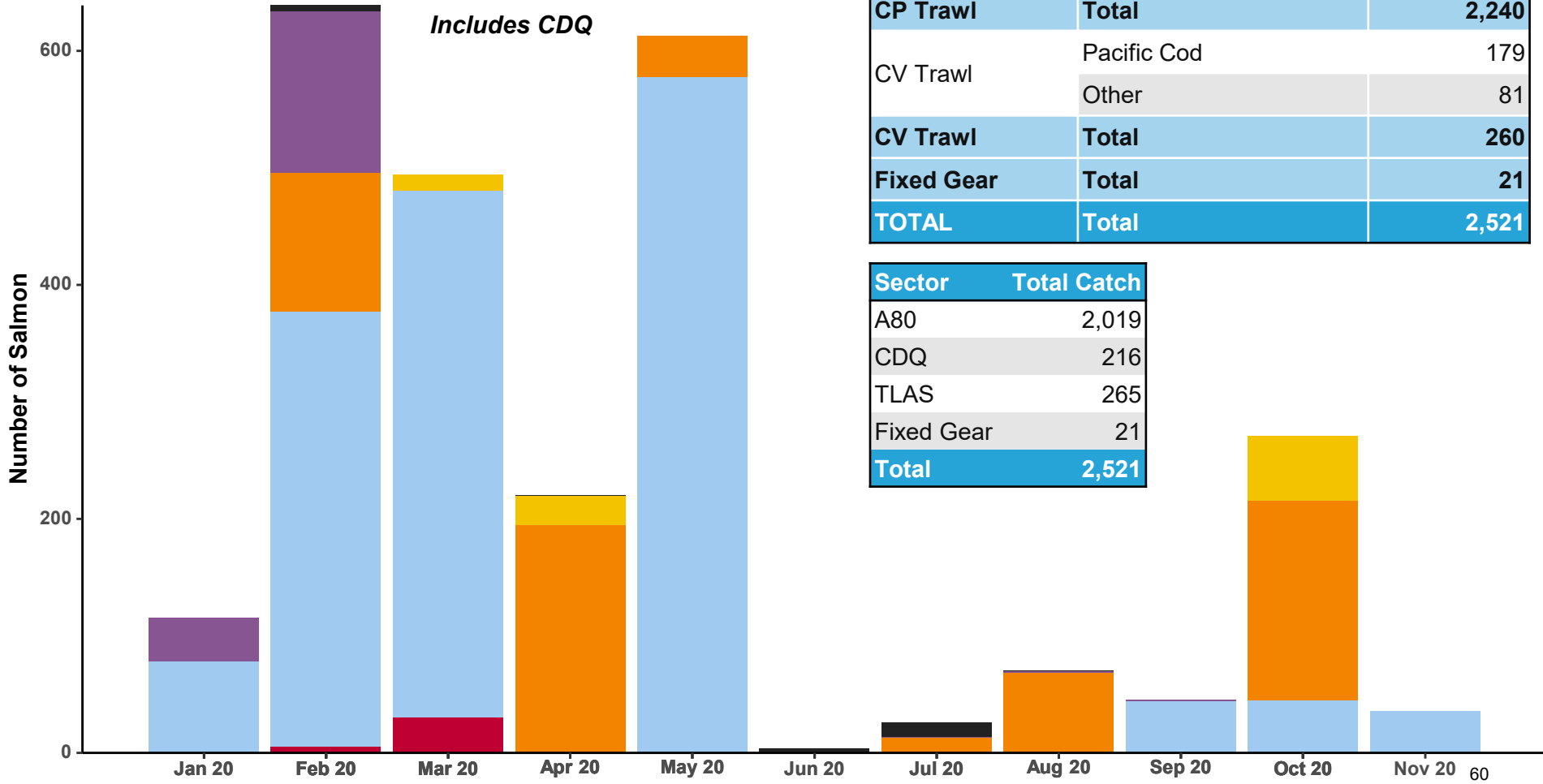
Chinook Salmon	Total Catch (#)	Limit (#)	%
AFA Inshore	15,828	33,390	47%
AFA Catcher/Processor	11,389	17,040	67%
AFA Mothership	2,714	4,674	58%
CDQ Pollock	2,249	4,896	46%
TOTAL	32,180	60,000	54%



2020 Non-Pollock Fishery Chinook Salmon Incidental Catch by Fishery & Sector

- Fixed Gear
- Trawl Catcher Vessel Other Fisheries
- Trawl Catcher Vessel Pacific Cod
- Trawl Catcher/Processor Atka Mackerel and Rockfish
- Trawl Catcher/Processor Flatfish
- Trawl Catcher/Processor Pacific Cod

Includes CDQ

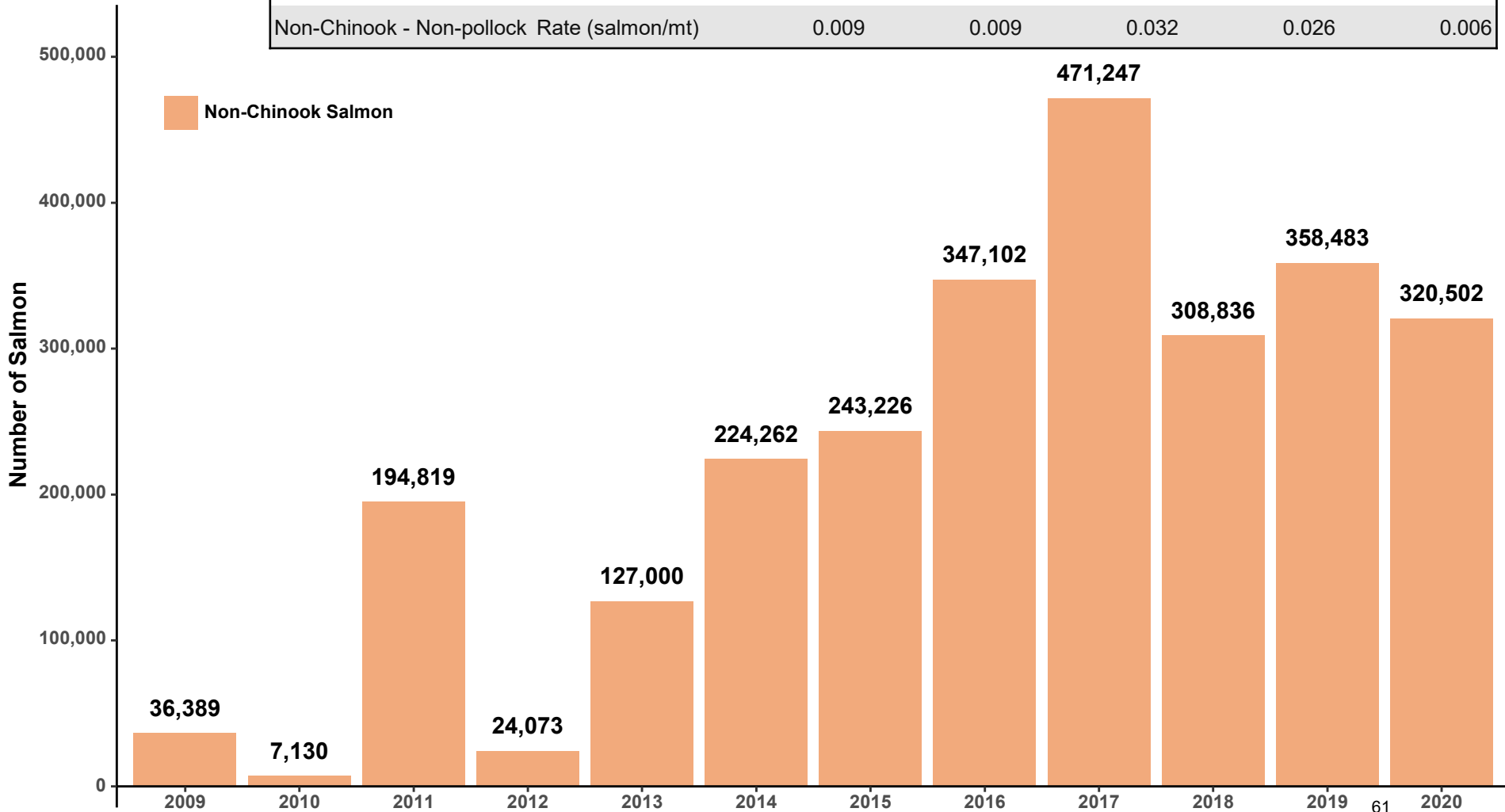


Chinook Salmon		Total Catch
CP Trawl	Atka Mackerel / Rockfish	599
	Pacific Cod	35
	Flatfish	1,606
CP Trawl	Total	2,240
CV Trawl	Pacific Cod	179
	Other	81
CV Trawl	Total	260
Fixed Gear	Total	21
TOTAL	Total	2,521

Sector	Total Catch
A80	2,019
CDQ	216
TLAS	265
Fixed Gear	21
Total	2,521

2020 BSAI Trawl Non-Chinook Salmon Incidental Catch

Non-Chinook Salmon		2016	2017	2018	2019	2020
Non-Chinook - Pollock	(#)	343,001	467,678	295,094	348,023	318,092
Non-Chinook - Pollock	Rate (salmon/mt)	0.260	0.351	0.219	0.251	0.237
Non-Chinook - Non-pollock	(#)	4,101	3,569	13,742	10,460	2,410
Non-Chinook - Non-pollock	Rate (salmon/mt)	0.009	0.009	0.032	0.026	0.006



2020 BSAI Trawl Non-Chinook Salmon Incidental Catch

Non-Chinook Salmon		Total Catch (#)
	AFA Inshore	212,026
	AFA Catcher/Processor	77,431
Pollock Fishery	AFA Mothership	19,789
	CDQ Pollock	8,637
	AI Pollock	210
	Total	318,093
Other Fisheries	Total	2,410
All Fisheries	Total	320,503

