



**NOAA
FISHERIES**

Alaska Region

GOA Inseason Management Report

November 2023

Catch data are through November 14, 2023

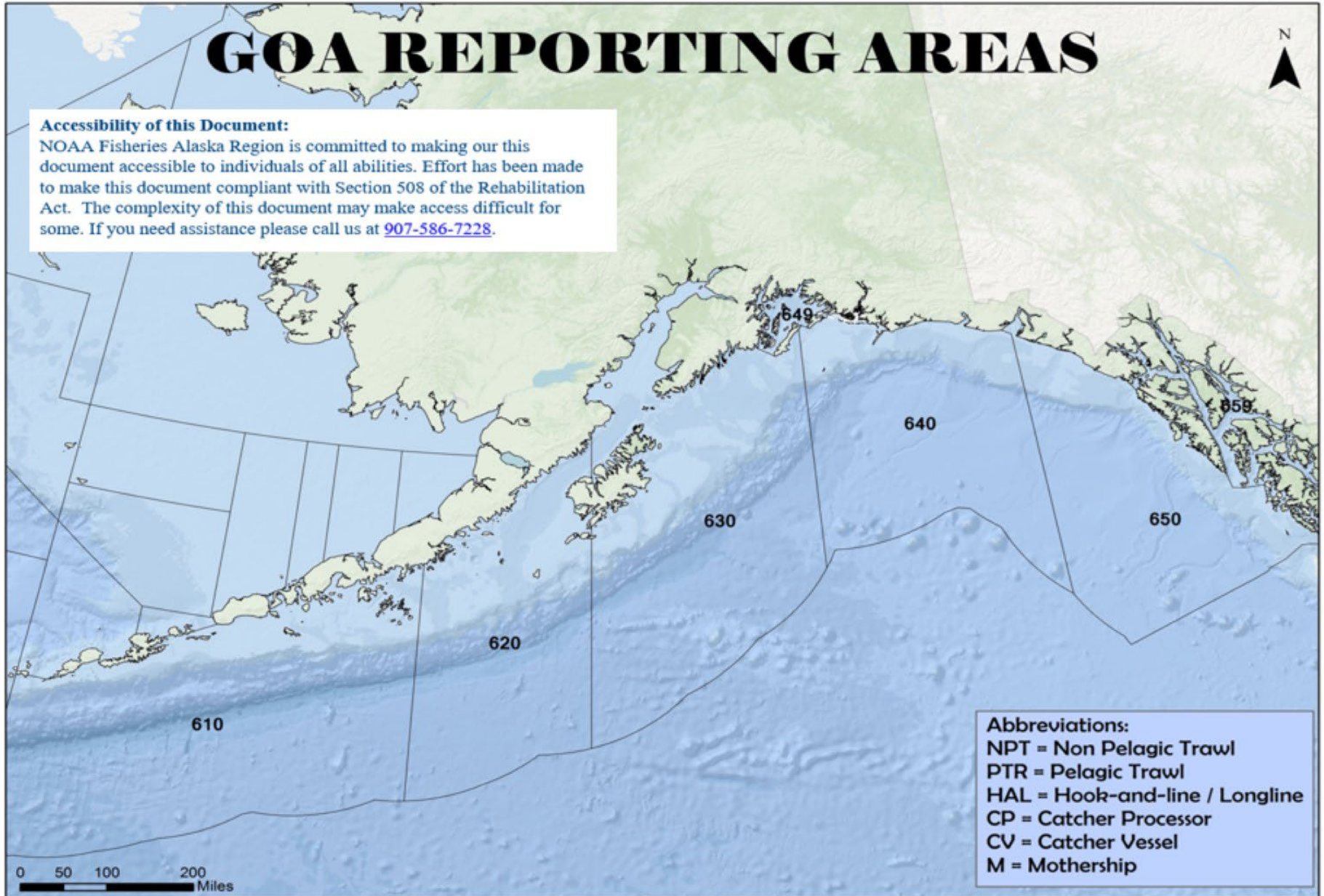
Management reports can be found at:

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

GOA REPORTING AREAS

Accessibility of this Document:

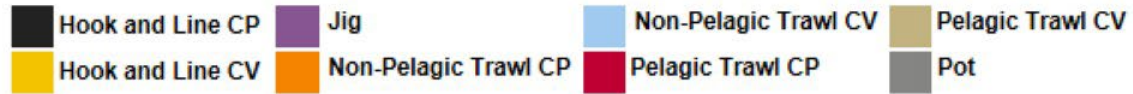
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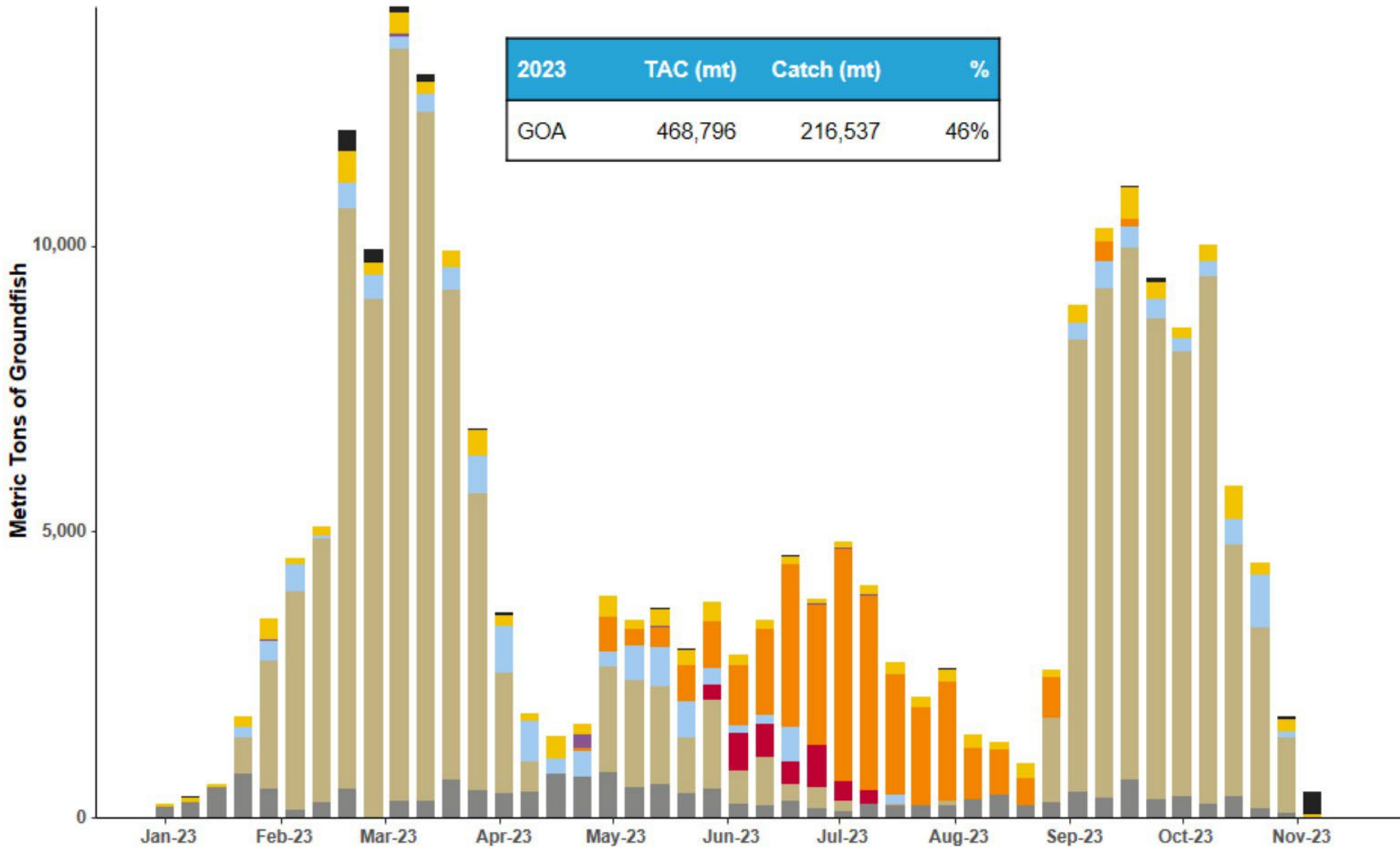
Abbreviations:

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

2023 GOA Total Groundfish Catch by Gear and Sector



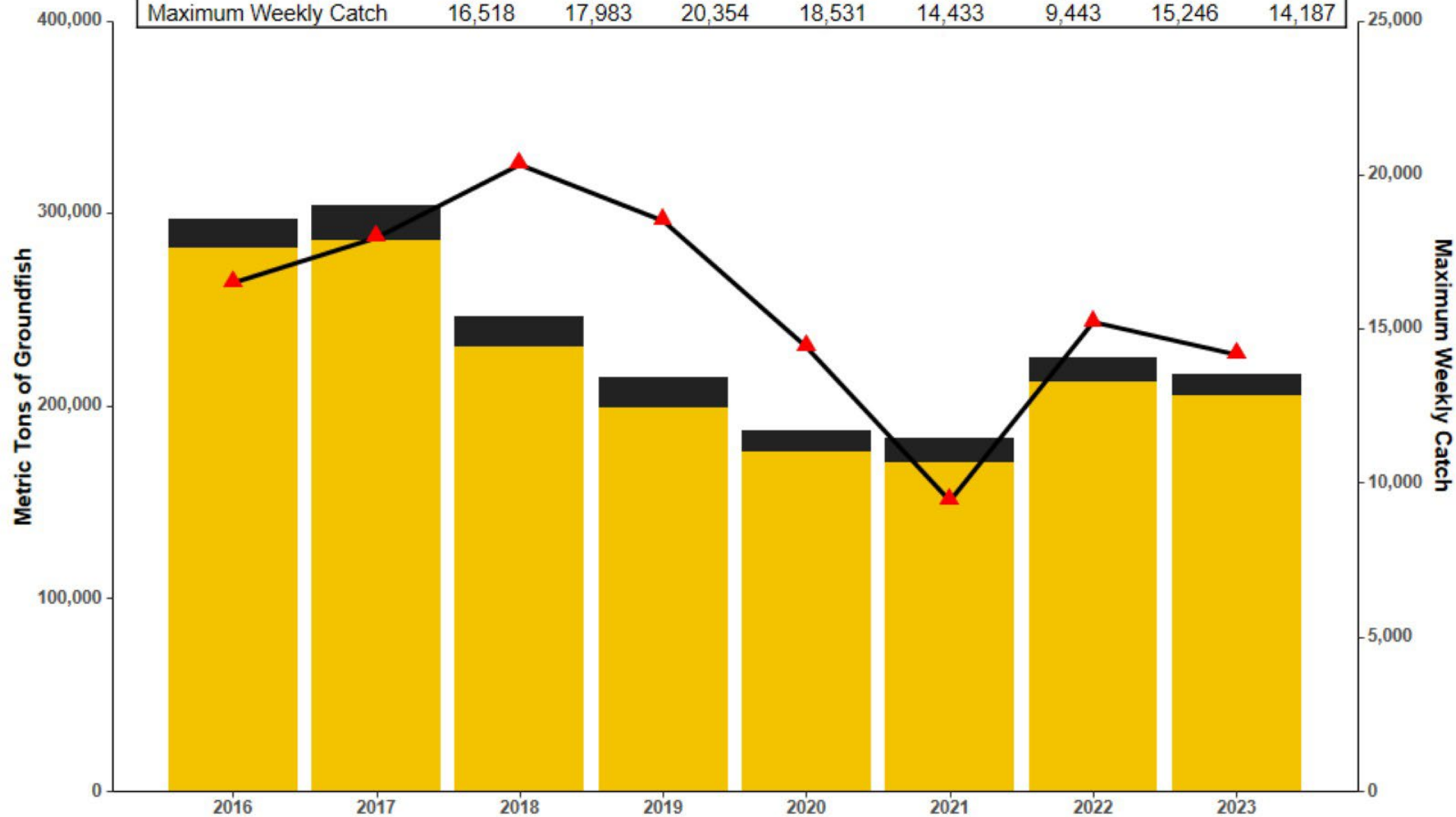
2023	TAC (mt)	Catch (mt)	%
GOA	468,796	216,537	46%



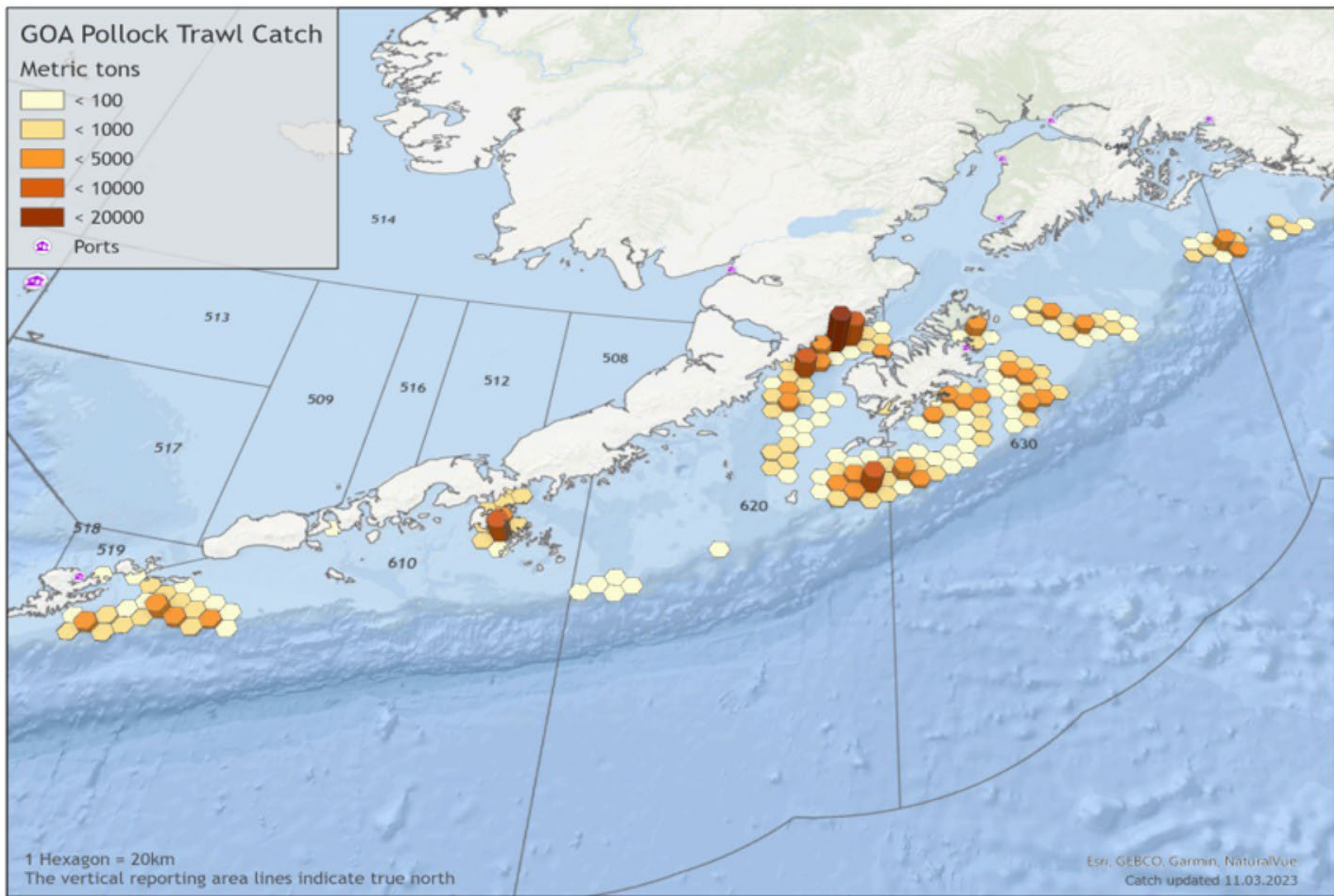
GOA Total Groundfish Catch and Maximum Weekly Harvest

▲ Maximum Weekly Catch ■ Discarded Catch ■ Retained Catch

Catch	2016	2017	2018	2019	2020	2021	2022	2023
Discarded Catch	15,645	18,619	15,901	15,369	10,998	11,908	12,705	11,139
Retained Catch	281,668	285,718	230,664	199,377	176,402	170,992	212,328	205,233
Maximum Weekly Catch	16,518	17,983	20,354	18,531	14,433	9,443	15,246	14,187



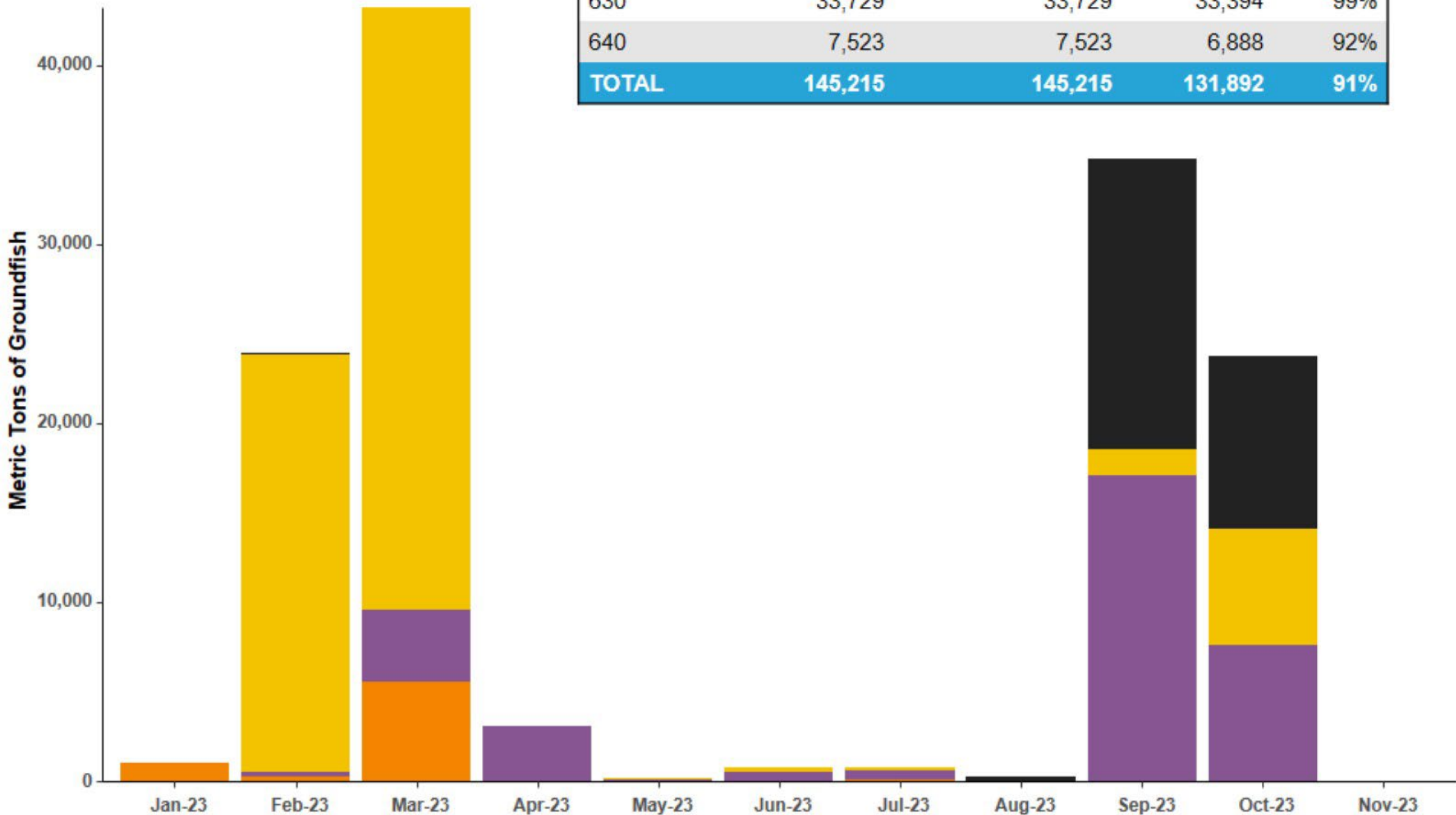
2023 Gulf of Alaska Pollock Directed Fishery



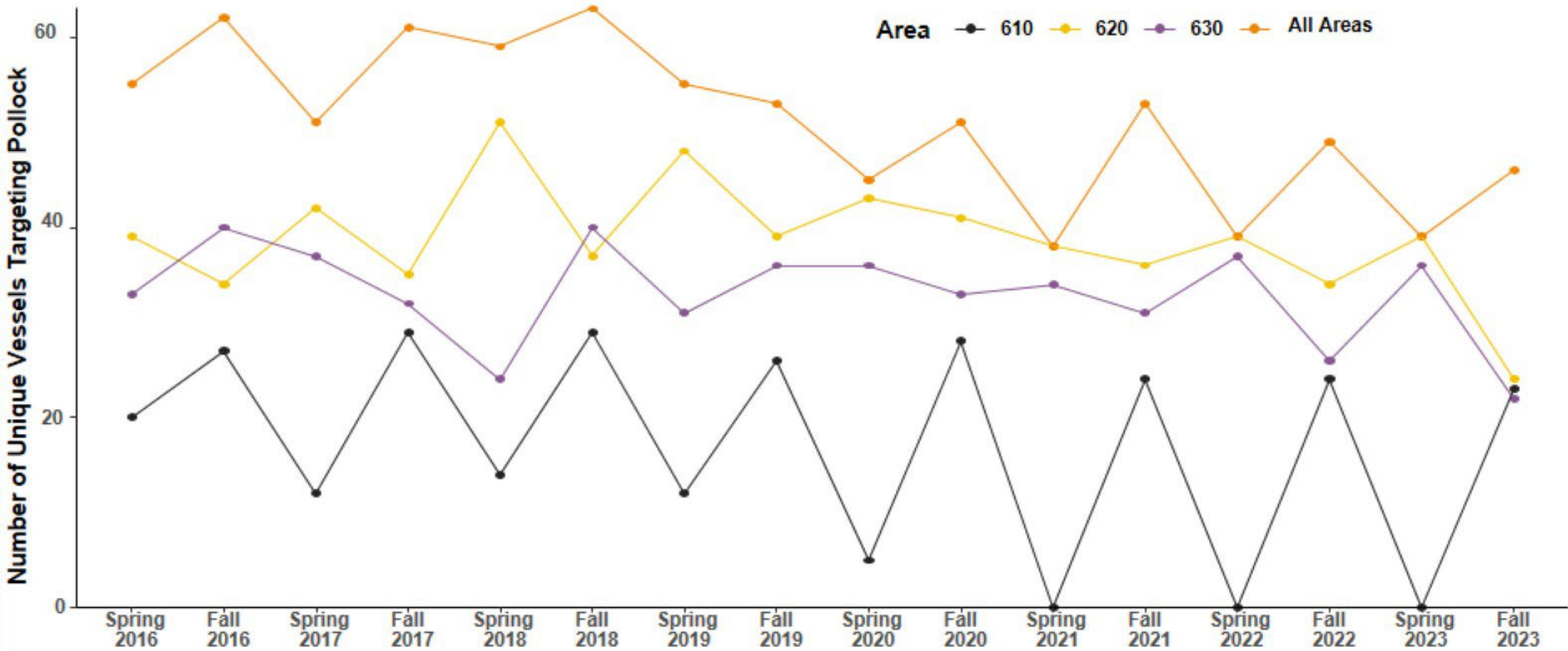
2023 Pollock Catch in the GOA

Area 610 620 630 640

2023	Initial TAC (mt)	Revised TAC (mt)	Catch (mt)	%
610	26,958	26,958	26,226	97%
620	77,005	77,005	65,384	85%
630	33,729	33,729	33,394	99%
640	7,523	7,523	6,888	92%
TOTAL	145,215	145,215	131,892	91%

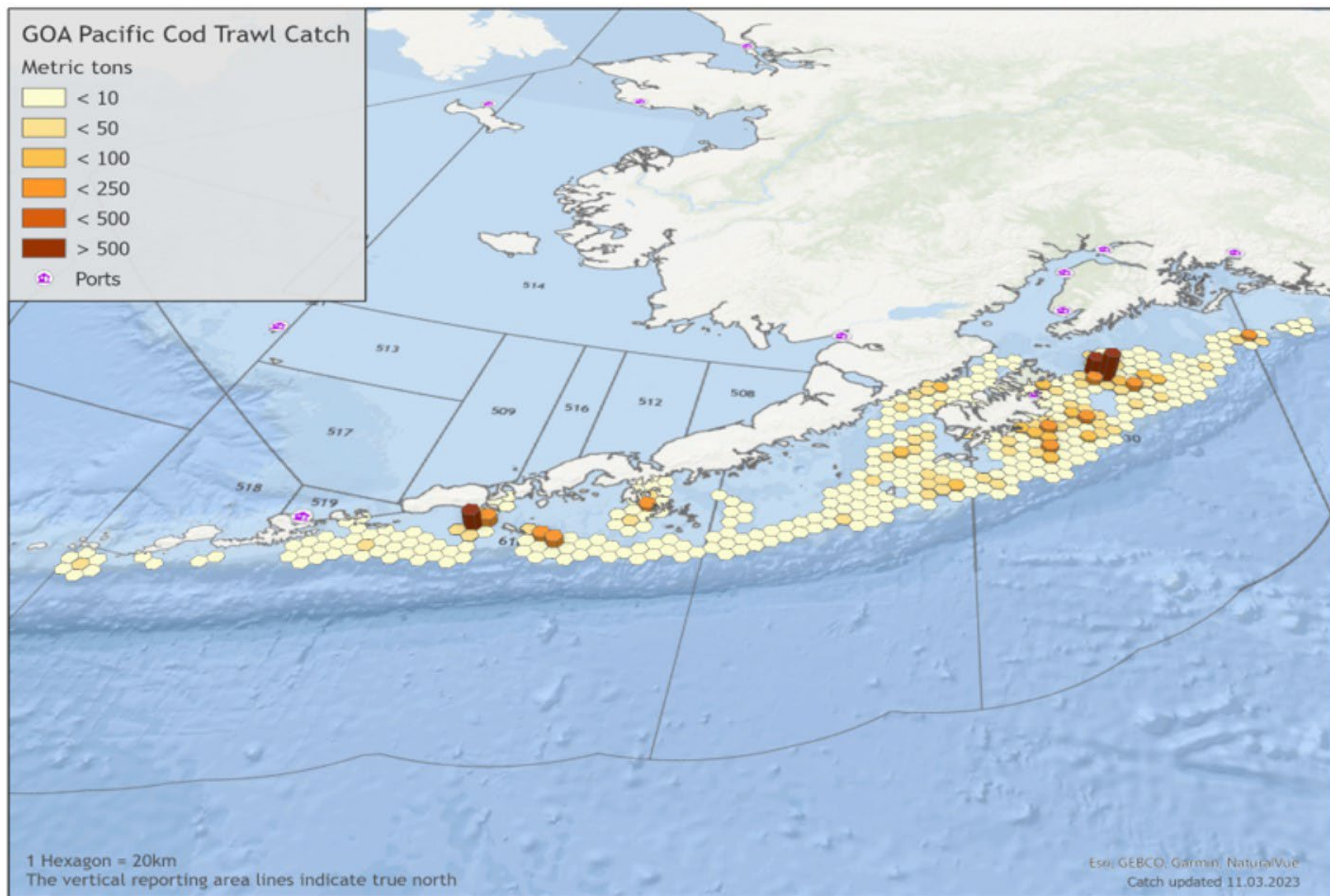


Counts of Vessels Targeting GOA Pollock

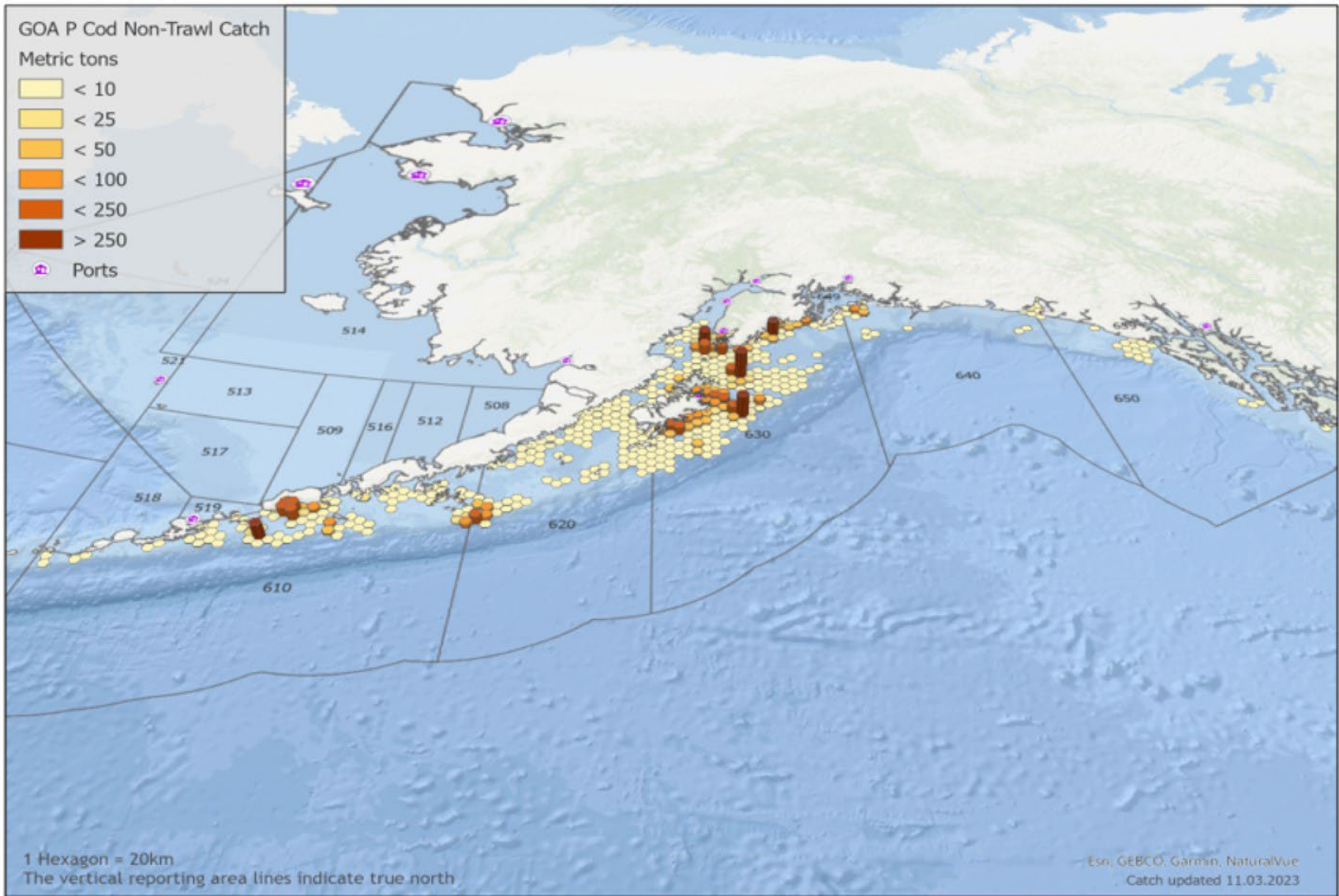


Area	Spring 2016	Fall 2016	Spring 2017	Fall 2017	Spring 2018	Fall 2018	Spring 2019	Fall 2019	Spring 2020	Fall 2020	Spring 2021	Fall 2021	Spring 2022	Fall 2022	Spring 2023	Fall 2023
610	20	27	12	29	14	29	12	26	5	28	0	24	0	24	0	23
620	39	34	42	35	51	37	48	39	43	41	38	36	39	34	39	24
630	33	40	37	32	24	40	31	36	36	33	34	31	37	26	36	22
All Areas	55	62	51	61	59	63	55	53	45	51	38	53	39	49	39	46

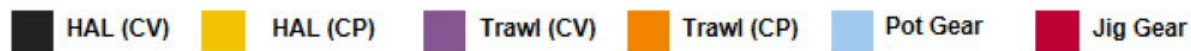
2023 Gulf of Alaska Pacific Cod Catch by Trawl Gear



2023 Gulf of Alaska Pacific Cod Catch by Non-Trawl Gear

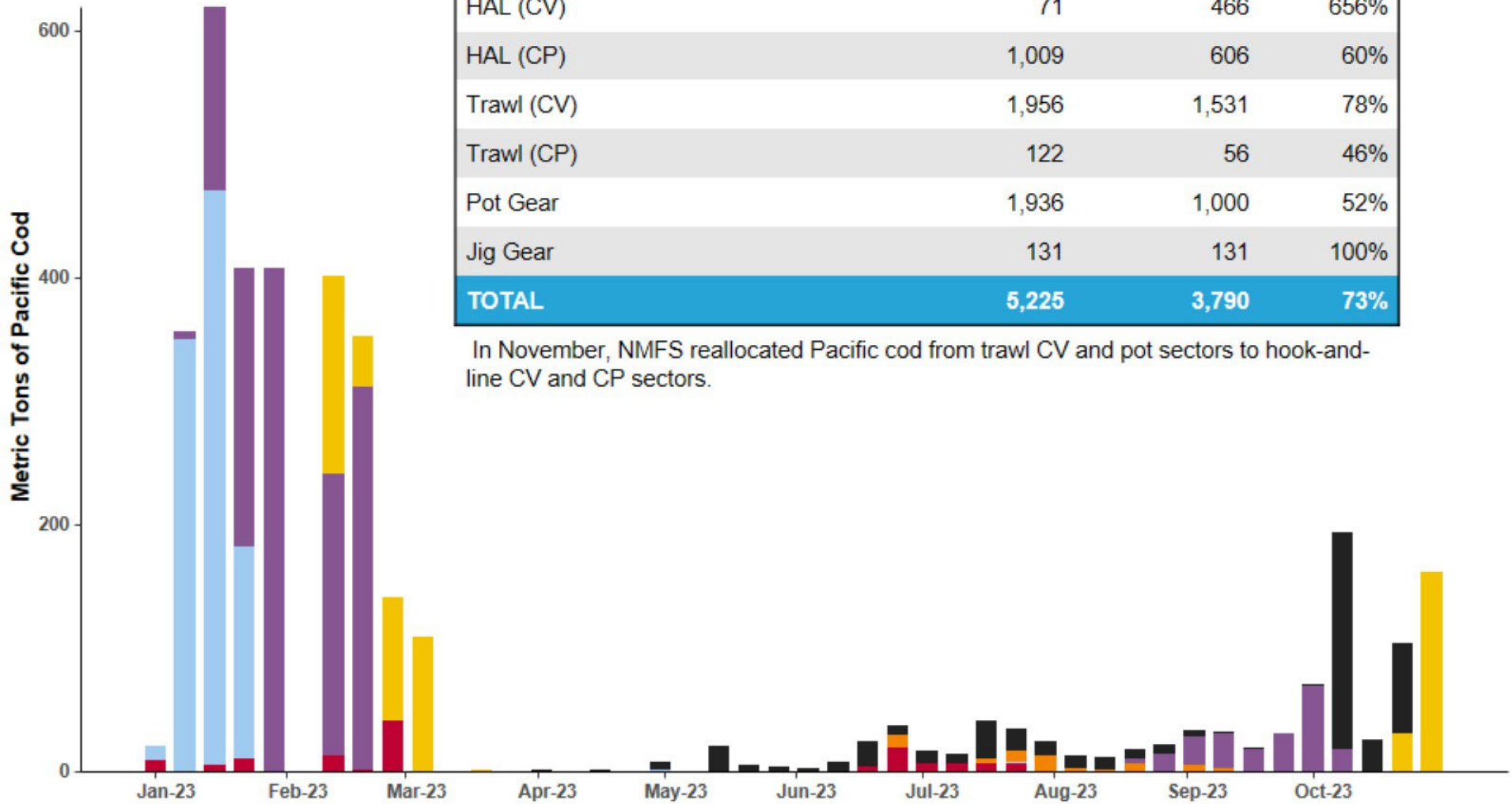


2023 Western GOA Pacific Cod Catch by Week and Sector



2023 Western GOA Pacific Cod	TAC (mt)	Catch (mt)	%
HAL (CV)	71	466	656%
HAL (CP)	1,009	606	60%
Trawl (CV)	1,956	1,531	78%
Trawl (CP)	122	56	46%
Pot Gear	1,936	1,000	52%
Jig Gear	131	131	100%
TOTAL	5,225	3,790	73%

In November, NMFS reallocated Pacific cod from trawl CV and pot sectors to hook-and-line CV and CP sectors.

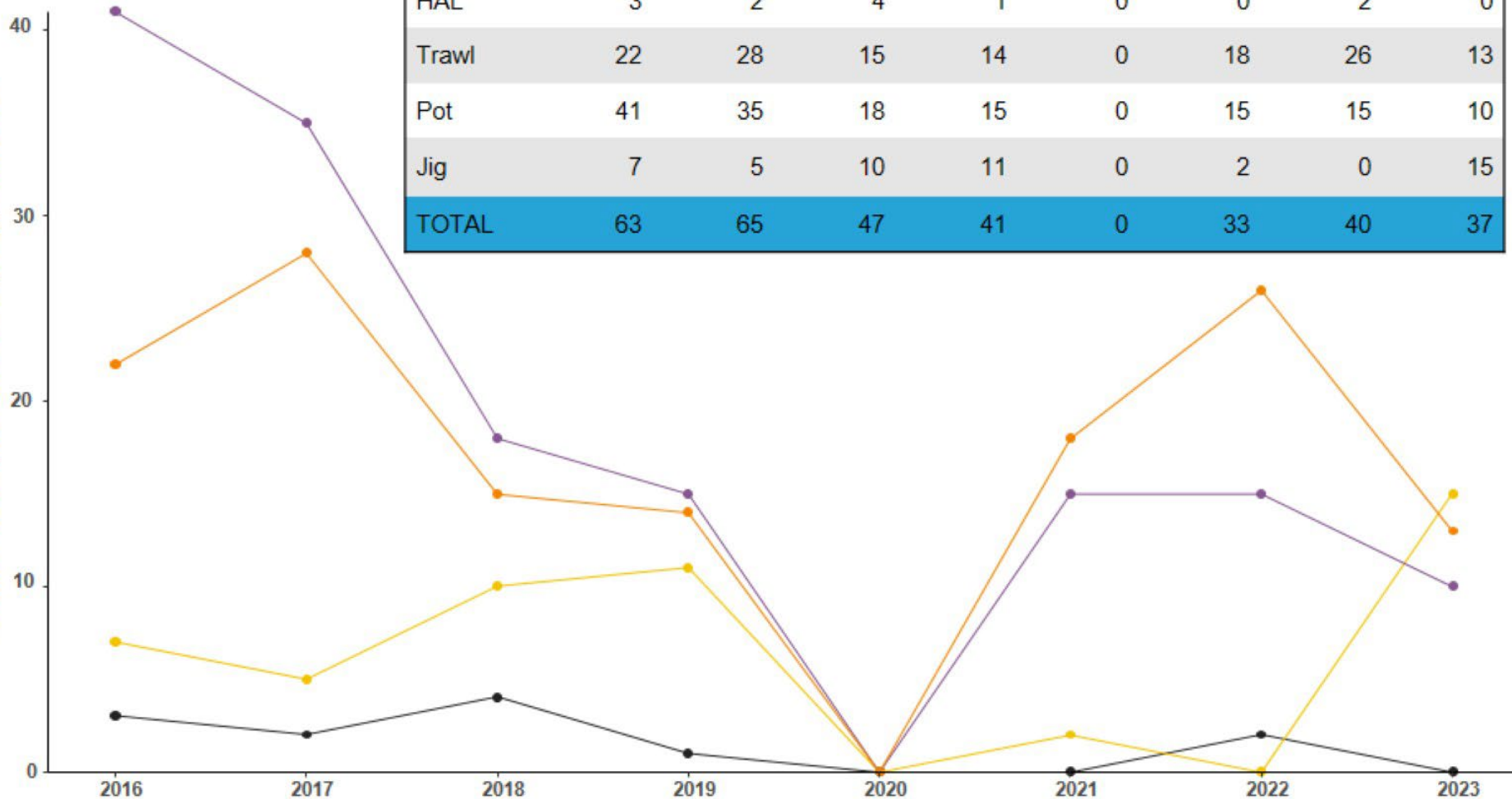


Counts of Catcher Vessels Targeting Western GOA Pacific Cod

Gear ● HAL ● JIG ● POT ● TRW

Gear	2016	2017	2018	2019	2020	2021	2022	2023
HAL	3	2	4	1	0	0	2	0
Trawl	22	28	15	14	0	18	26	13
Pot	41	35	18	15	0	15	15	10
Jig	7	5	10	11	0	2	0	15
TOTAL	63	65	47	41	0	33	40	37

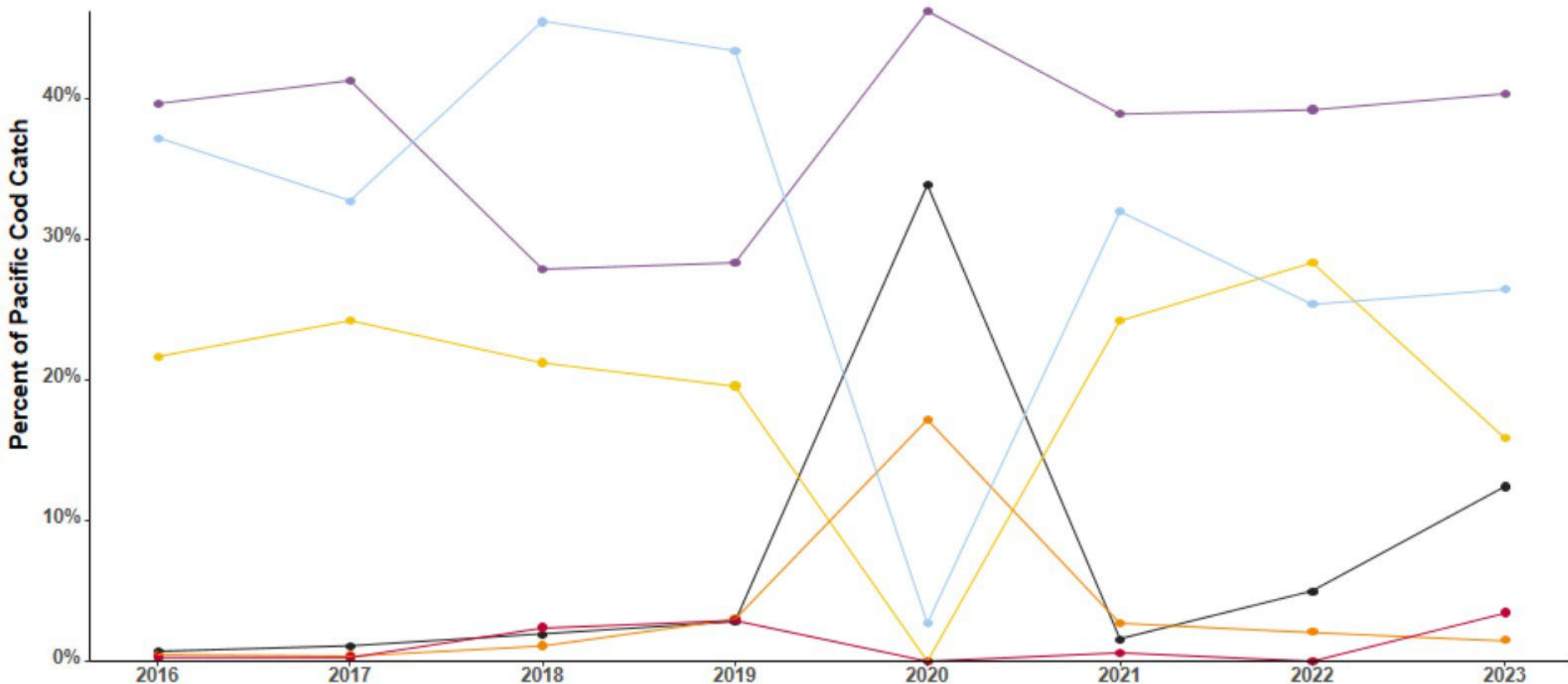
Number of Unique Vessels Targeting Pacific Cod



Western GOA Pacific Cod Catch by Sector

Sector	2016	2017	2018	2019	2020	2021	2022	2023
HAL (CV)	1%	1%	2%	3%	34%	2%	5%	12%
HAL (CP)	22%	24%	21%	20%	0%	24%	28%	16%
Trawl (CV)	40%	41%	28%	28%	46%	39%	39%	40%
Trawl (CP)	0%	0%	1%	3%	17%	3%	2%	1%
Pot	37%	33%	45%	43%	3%	32%	25%	26%
Jig	0%	0%	2%	3%	0%	1%	0%	3%

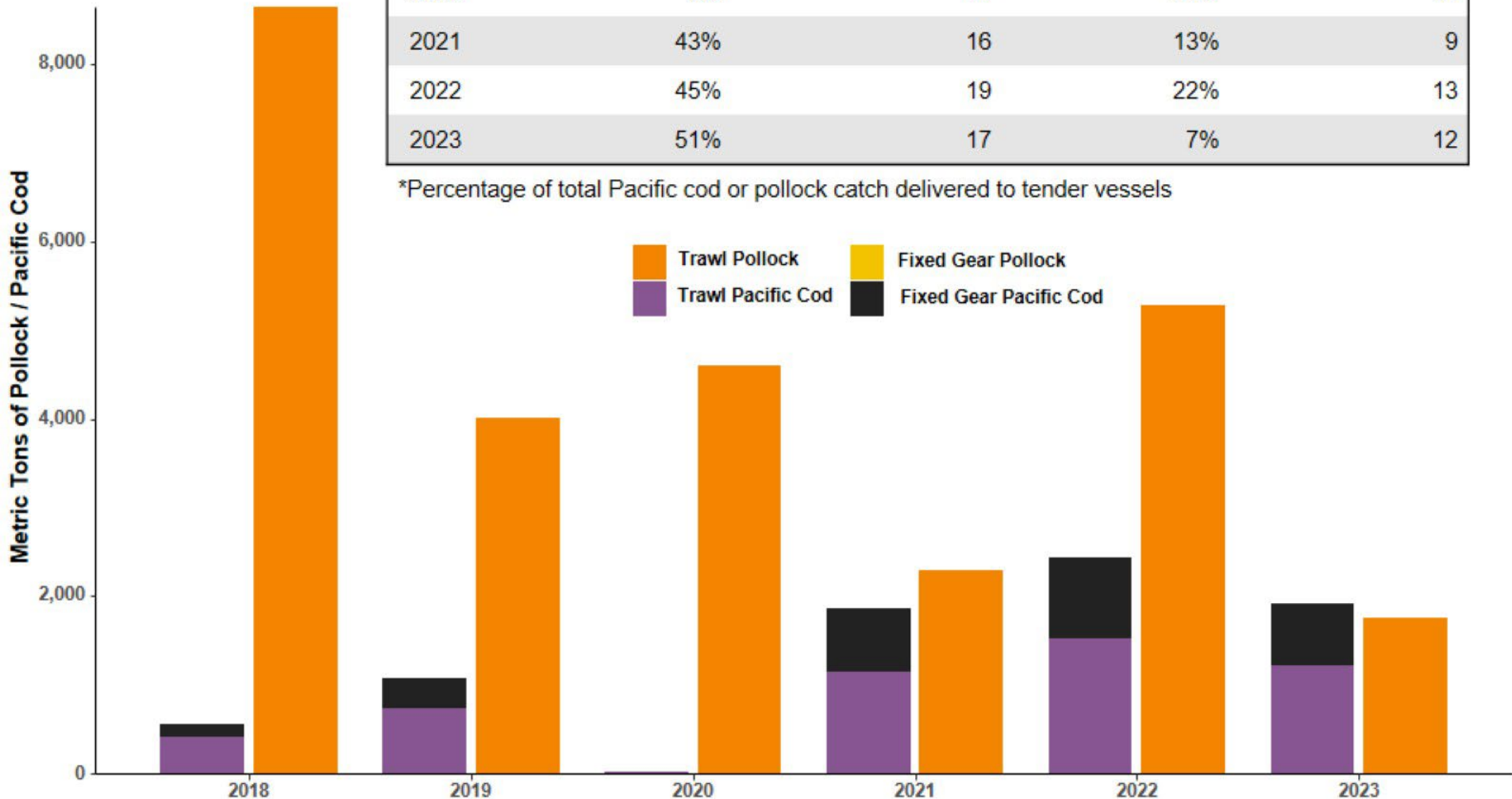
● HAL (CV) ● Trawl (CV) ● Pot
● HAL (CP) ● Trawl (CP) ● Jig



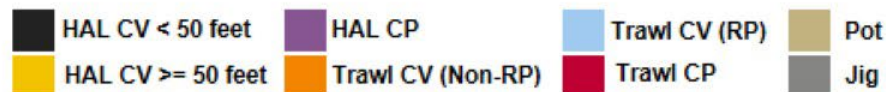
Western GOA Tender Vessels Report

Year	% of Pacific Cod Total Catch*	Count of Tenders (Pacific Cod)	% of Pollock Total Catch*	Count of Tenders (Pollock)
2018	11%	13	28%	14
2019	21%	14	18%	16
2020	8%	14	24%	14
2021	43%	16	13%	9
2022	45%	19	22%	13
2023	51%	17	7%	12

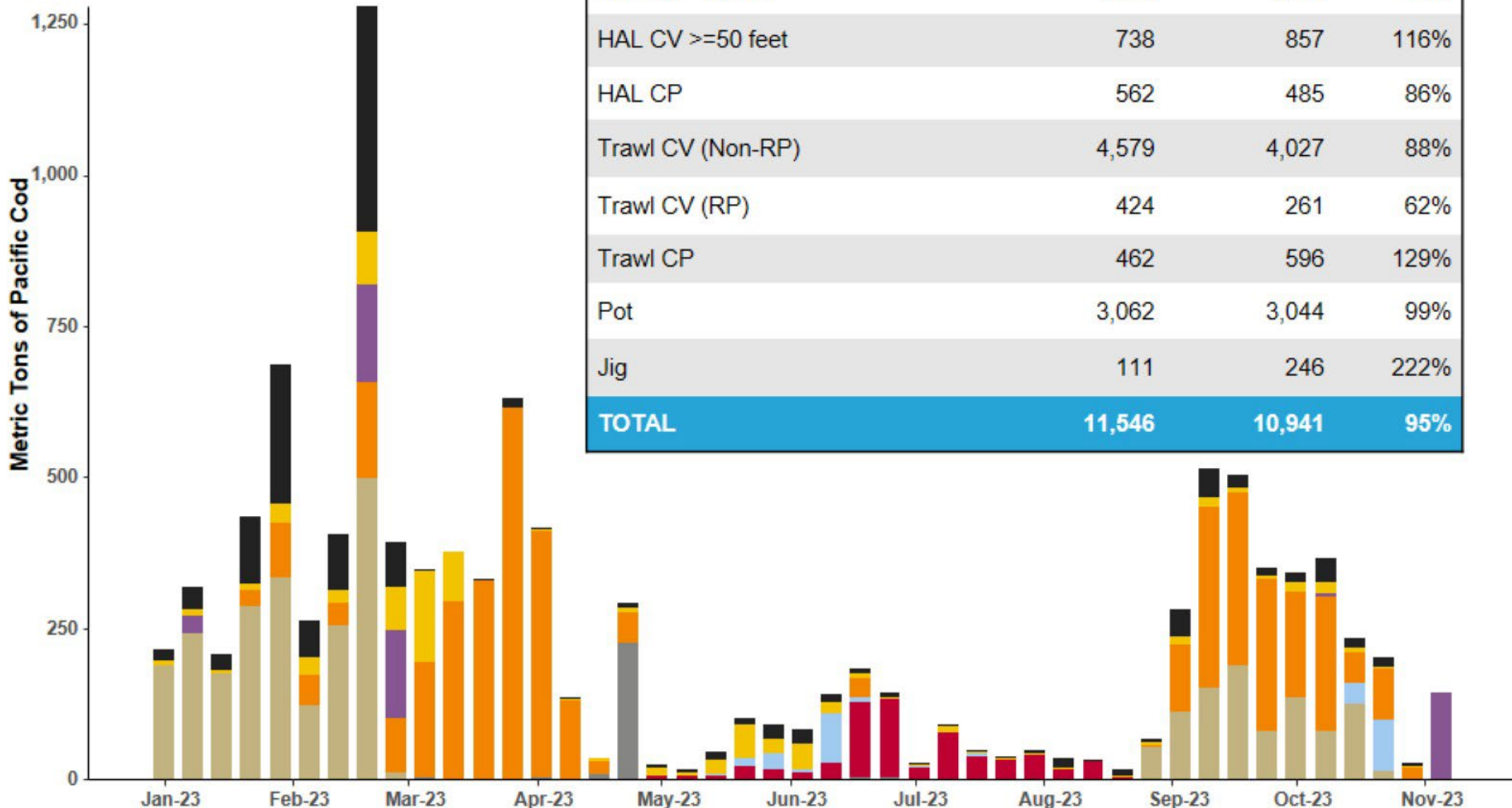
*Percentage of total Pacific cod or pollock catch delivered to tender vessels



2023 Central GOA Pacific Cod Catch by Week and Sector



2023 Central GOA Pacific Cod	TAC (mt)	Catch (mt)	%
HAL CV <50 feet	1,608	1,425	89%
HAL CV >=50 feet	738	857	116%
HAL CP	562	485	86%
Trawl CV (Non-RP)	4,579	4,027	88%
Trawl CV (RP)	424	261	62%
Trawl CP	462	596	129%
Pot	3,062	3,044	99%
Jig	111	246	222%
TOTAL	11,546	10,941	95%

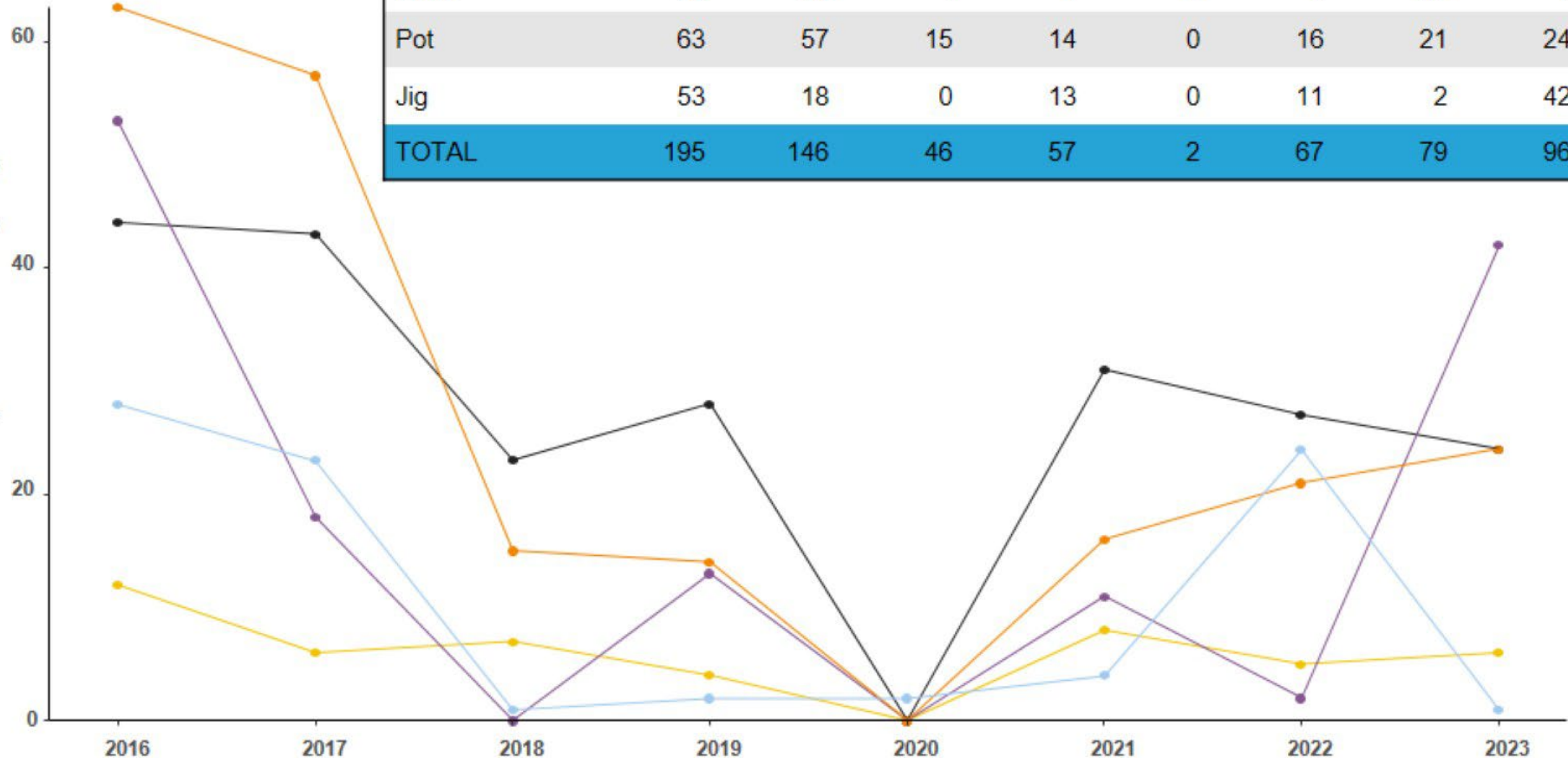


Counts of Catcher Vessels Targeting Central GOA Pacific Cod

—● HAL < 50 —● HAL >= 50 —● JIG —● POT —● TRW

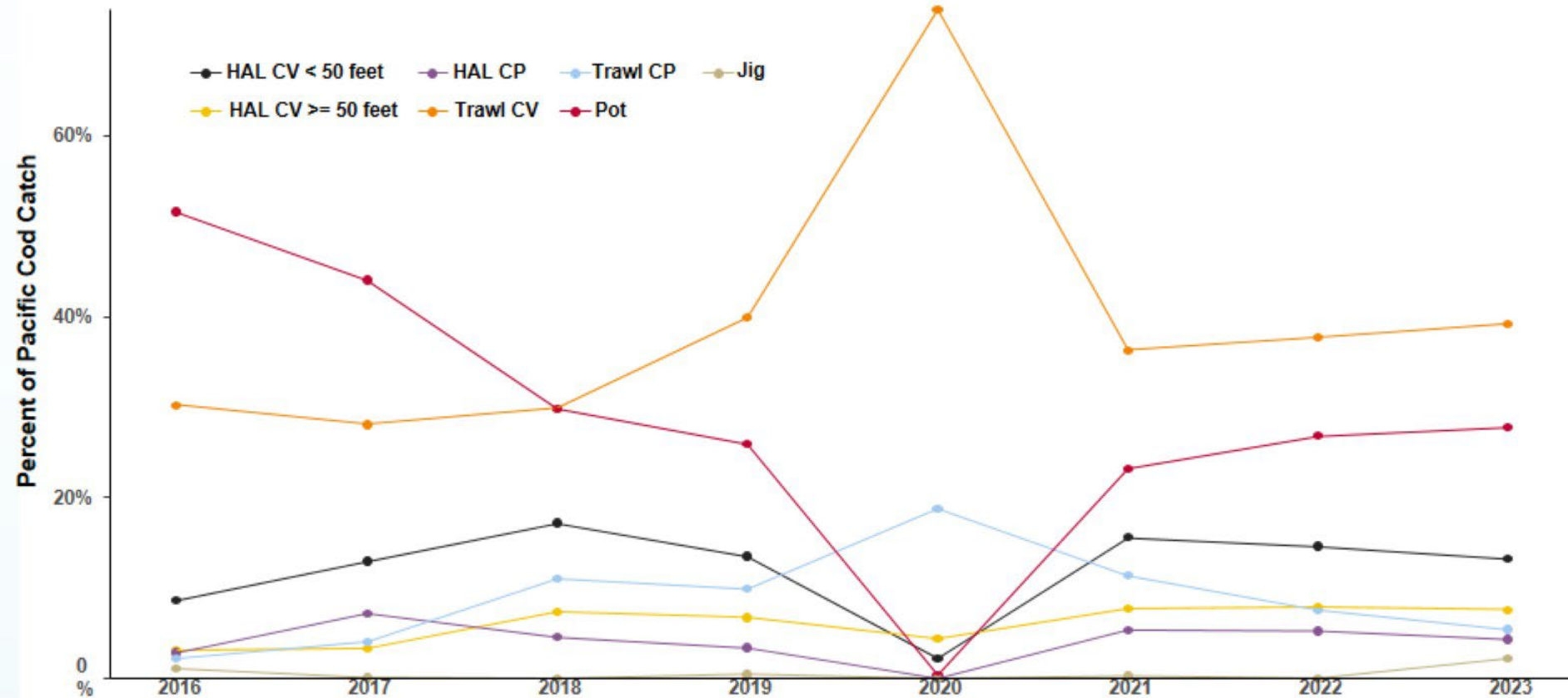
Sector	2016	2017	2018	2019	2020	2021	2022	2023
HAL <50 feet	44	43	23	28	0	31	27	24
HAL >=50 feet	12	6	7	4	0	8	5	6
Trawl	28	23	1	2	2	4	24	1
Pot	63	57	15	14	0	16	21	24
Jig	53	18	0	13	0	11	2	42
TOTAL	195	146	46	57	2	67	79	96

Number of Unique Vessels Targeting Pacific Cod



Central GOA Pacific Cod Catch by Sector

Sector	2016	2017	2018	2019	2020	2021	2022	2023
HAL CV < 50 feet	9%	13%	17%	14%	2%	16%	15%	13%
HAL CV >= 50 feet	3%	3%	7%	7%	4%	8%	8%	8%
HAL CP	3%	7%	5%	3%	0%	5%	5%	4%
Trawl CV	30%	28%	30%	40%	74%	36%	38%	39%
Trawl CP	2%	4%	11%	10%	19%	11%	8%	5%
Pot	52%	44%	30%	26%	0%	23%	27%	28%
Jig	1%	0%	0%	1%	0%	0%	0%	2%

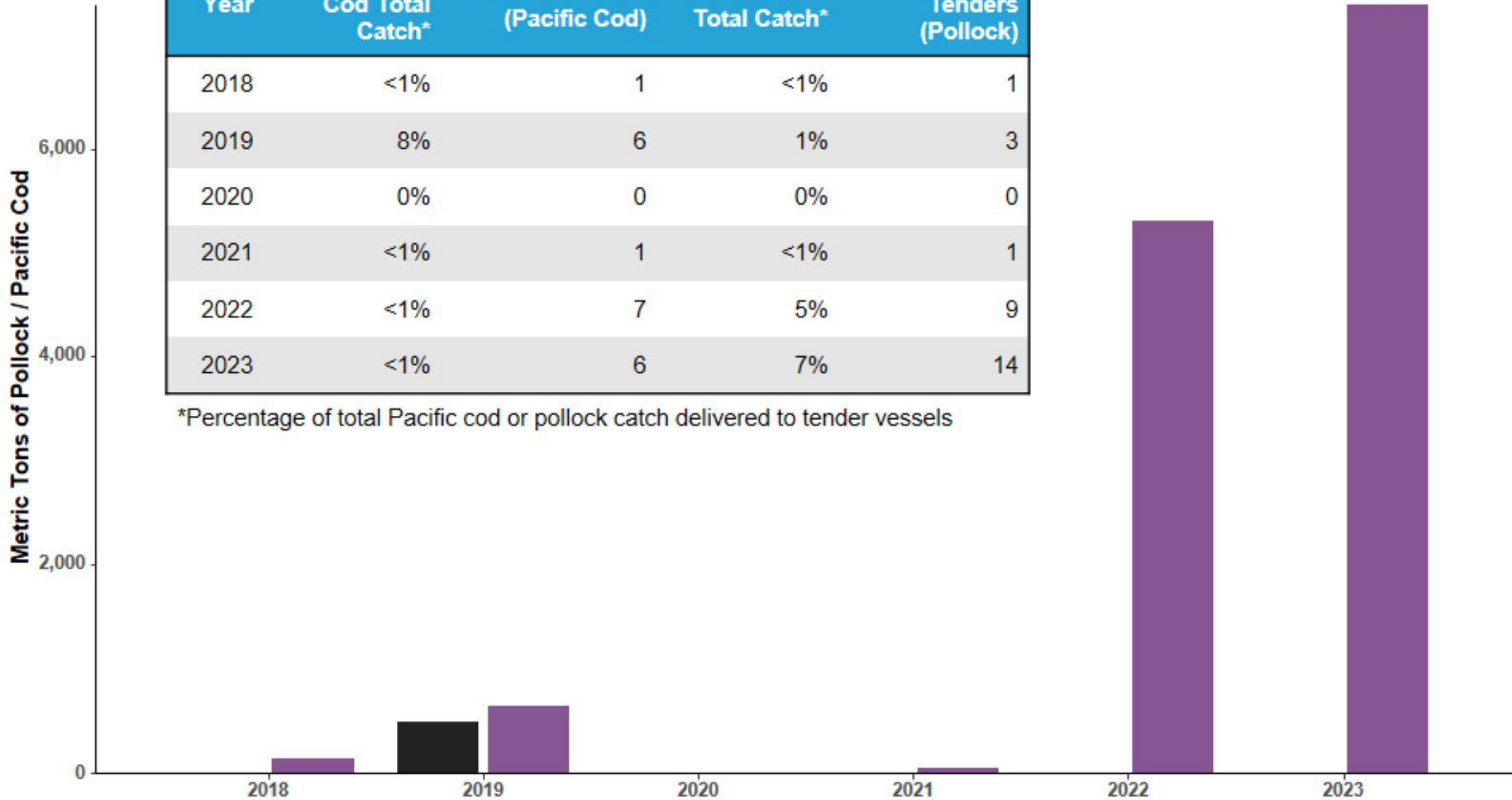


Central GOA Tender Vessels Report



Year	% of Pacific Cod Total Catch*	Count of Tenders (Pacific Cod)	% of Pollock Total Catch*	Count of Tenders (Pollock)
2018	<1%	1	<1%	1
2019	8%	6	1%	3
2020	0%	0	0%	0
2021	<1%	1	<1%	1
2022	<1%	7	5%	9
2023	<1%	6	7%	14

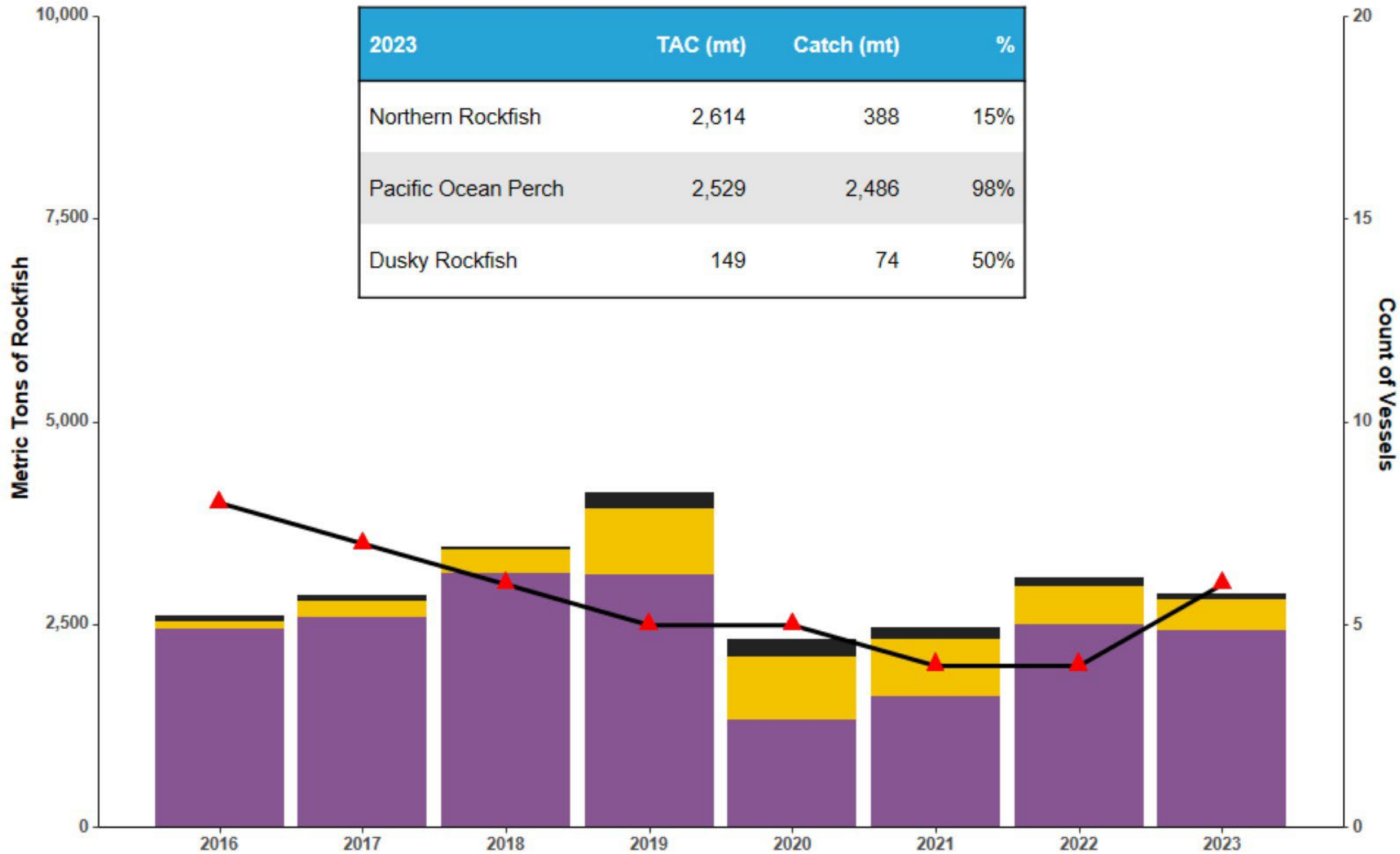
*Percentage of total Pacific cod or pollock catch delivered to tender vessels



Western GOA Trawl Rockfish Fishery

Dusky Rockfish
 Northern Rockfish
 Pacific Ocean Perch
 Count of Vessels

2023	TAC (mt)	Catch (mt)	%
Northern Rockfish	2,614	388	15%
Pacific Ocean Perch	2,529	2,486	98%
Dusky Rockfish	149	74	50%



2023 Central GOA Trawl Rockfish Program Fishery by Month 19

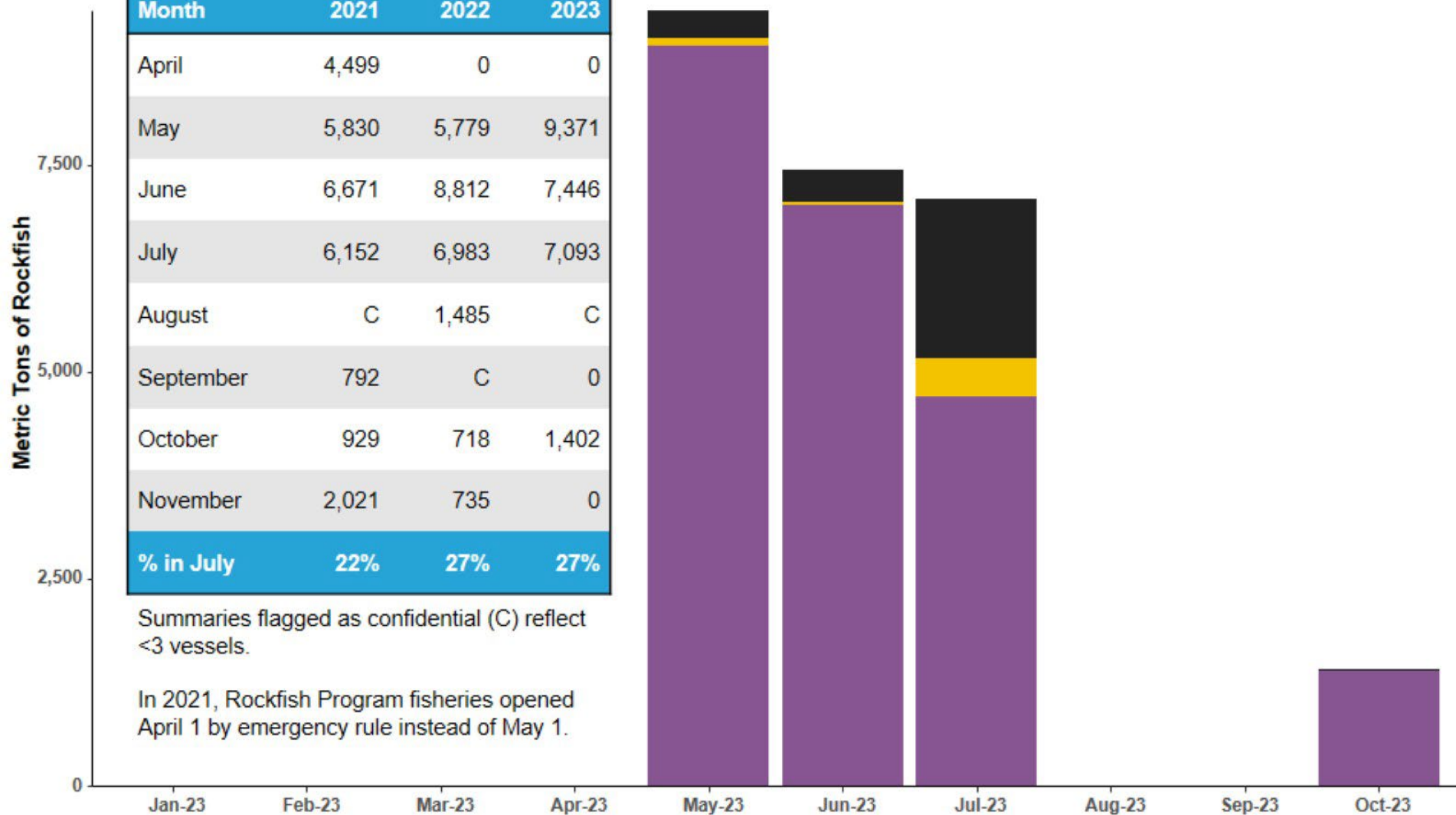
Species ■ Dusky Rockfish ■ Northern Rockfish ■ Pacific Ocean Perch

Total Rockfish Catch in Rockfish Program Directed Fisheries

Month	2021	2022	2023
April	4,499	0	0
May	5,830	5,779	9,371
June	6,671	8,812	7,446
July	6,152	6,983	7,093
August	C	1,485	C
September	792	C	0
October	929	718	1,402
November	2,021	735	0
% in July	22%	27%	27%

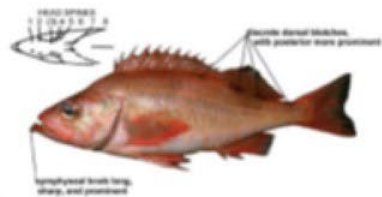
Summaries flagged as confidential (C) reflect <3 vessels.

In 2021, Rockfish Program fisheries opened April 1 by emergency rule instead of May 1.

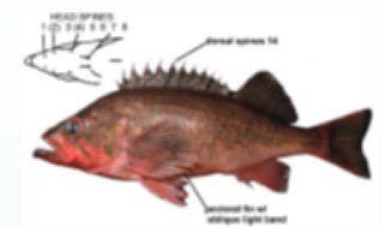


2023 Rockfish Program Allocations and Catch

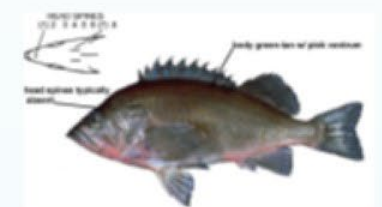
20



Pacific Ocean Perch



Northern Rockfish



Dusky Rockfish

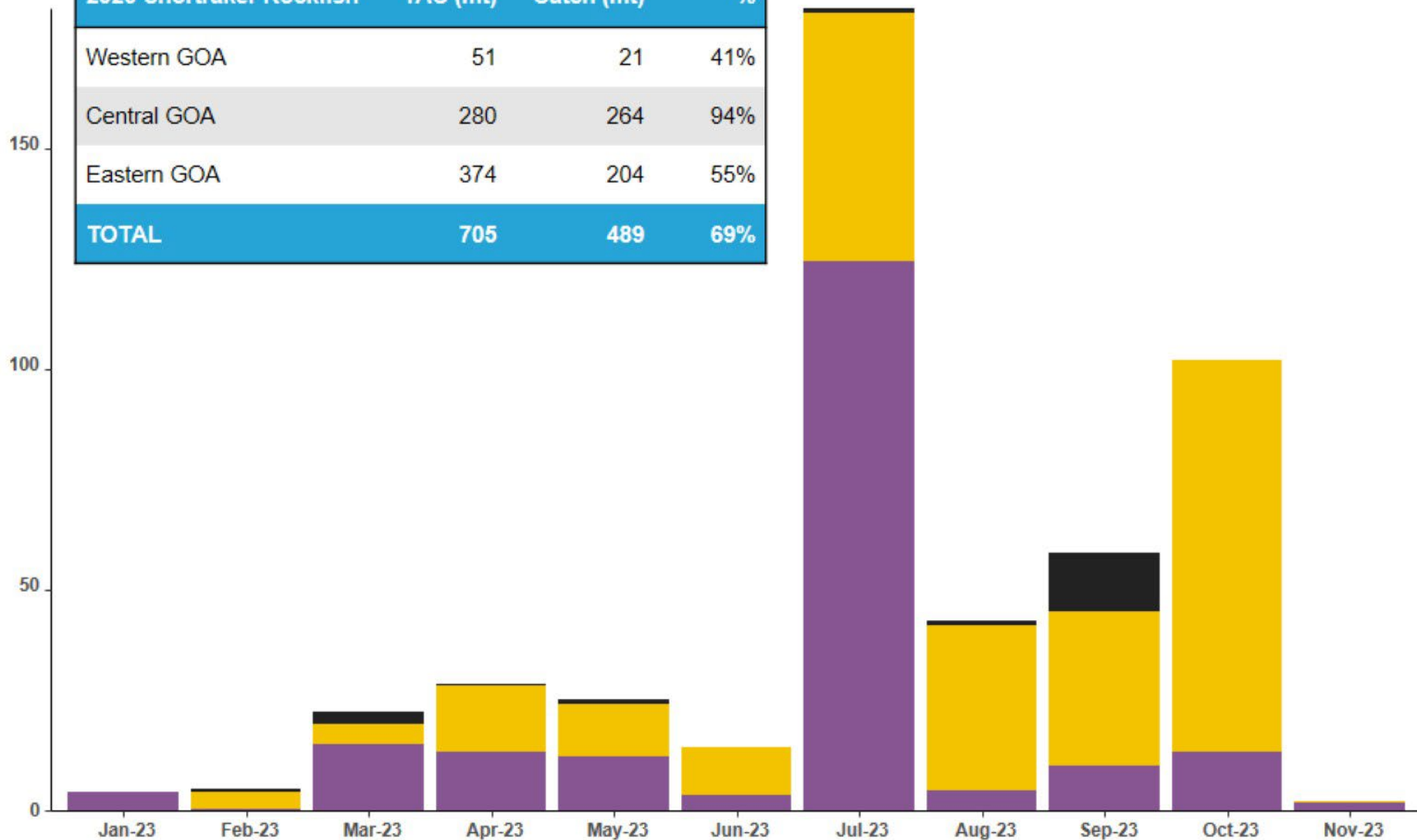
Allocations	Species	Limit (mt)	Catch (mt)	%
Entry Level Longline Fishery	Pacific Ocean Perch	5	0	0%
	Northern Rockfish	5	0	0%
	Dusky Rockfish	50	1	2%
Cooperatives	Pacific Ocean Perch	27,600	23,302	84%
	Northern Rockfish	2,045	923	45%
	Dusky Rockfish	7,347	3,344	46%
	Pacific Cod	424	261	62%
	Sablefish	1,045	836	80%
	Thornyhead	238	73	31%
	Shortraker	112	Confidential	Confidential
	Rougheye	137	Confidential	Confidential
Primary Species Central GOA Incidental Catch	Pacific Halibut PSC	191	41	21%
	Pacific Ocean Perch	3,000	2,637	88%
	Northern Rockfish	300	13	4%
	Dusky Rockfish	250	69	28%

2023 GOA Shortraker Rockfish Catch

Area Western GOA Central GOA Eastern GOA

2023 Shortraker Rockfish	TAC (mt)	Catch (mt)	%
Western GOA	51	21	41%
Central GOA	280	264	94%
Eastern GOA	374	204	55%
TOTAL	705	489	69%

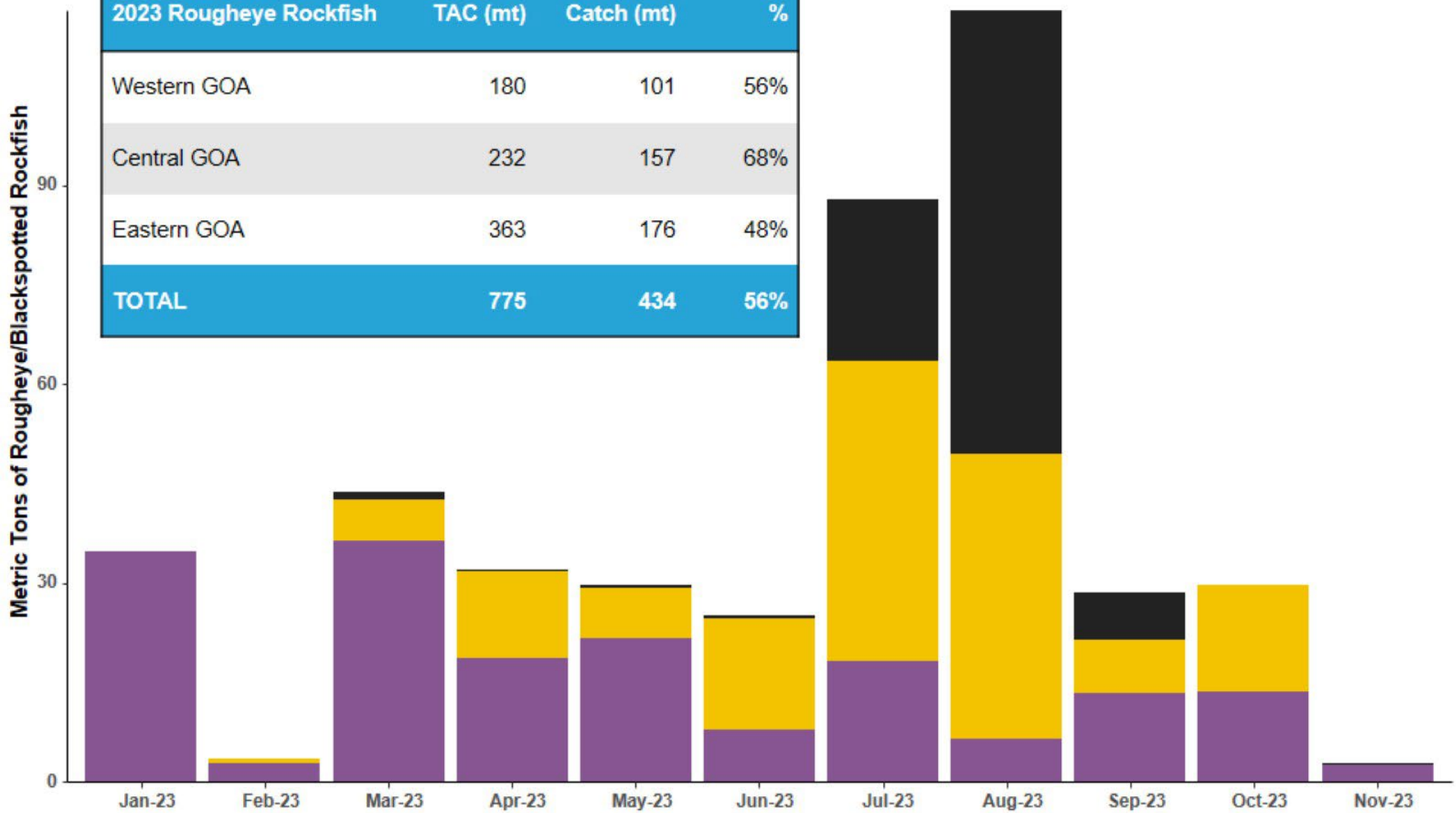
Metric Tons of Shortraker Rockfish



2023 GOA Rougheye/Blackspotted Rockfish Catch

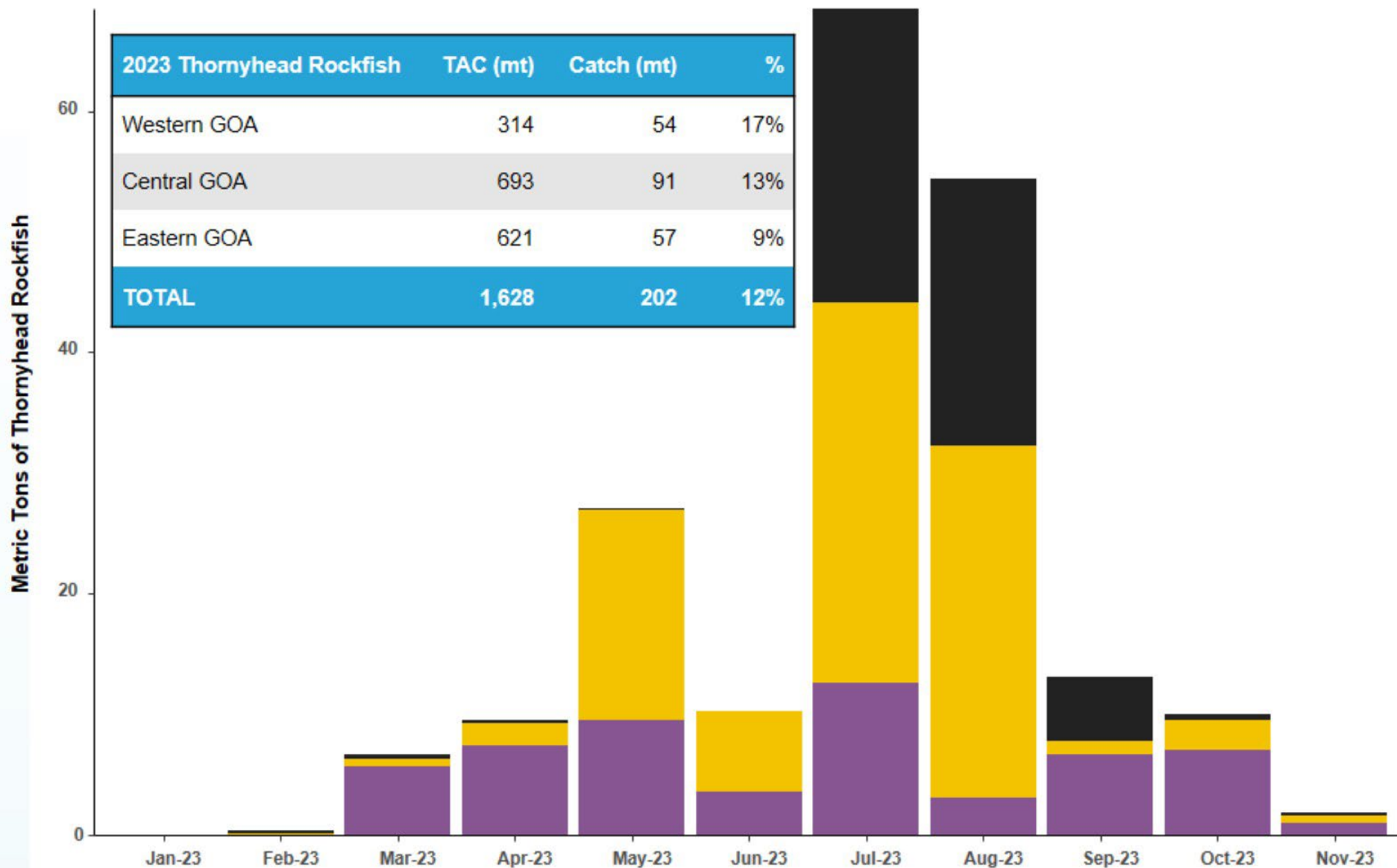
Area Western GOA Central GOA Eastern GOA

2023 Rougheye Rockfish	TAC (mt)	Catch (mt)	%
Western GOA	180	101	56%
Central GOA	232	157	68%
Eastern GOA	363	176	48%
TOTAL	775	434	56%



2023 GOA Thornyhead Rockfish Catch

Area Western GOA Central GOA Eastern GOA



2023 GOA Other Rockfish Catch

Area Central/Western GOA West Yakutat Southeast Outside

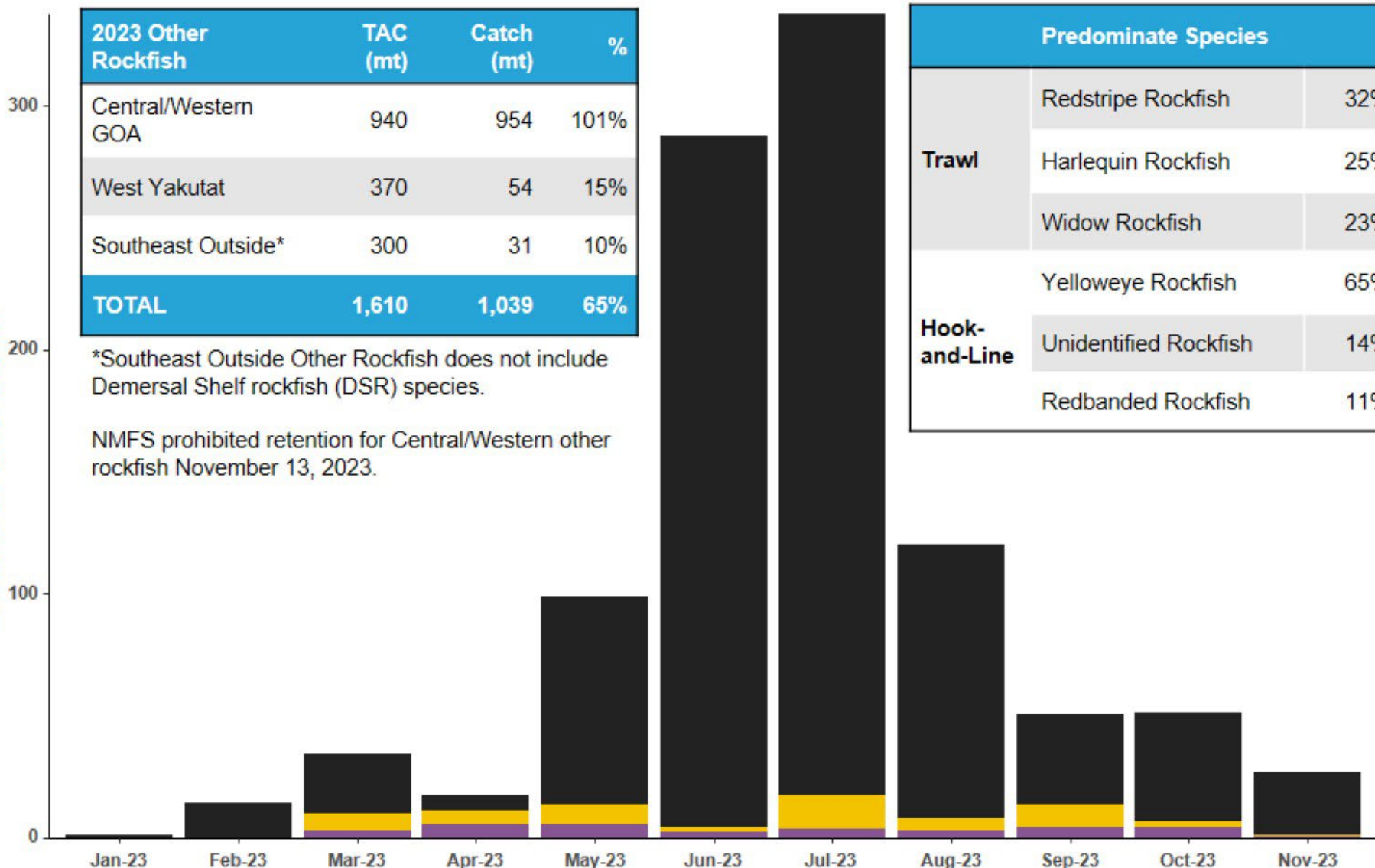
2023 Other Rockfish	TAC (mt)	Catch (mt)	%
Central/Western GOA	940	954	101%
West Yakutat	370	54	15%
Southeast Outside*	300	31	10%
TOTAL	1,610	1,039	65%

*Southeast Outside Other Rockfish does not include Demersal Shelf rockfish (DSR) species.

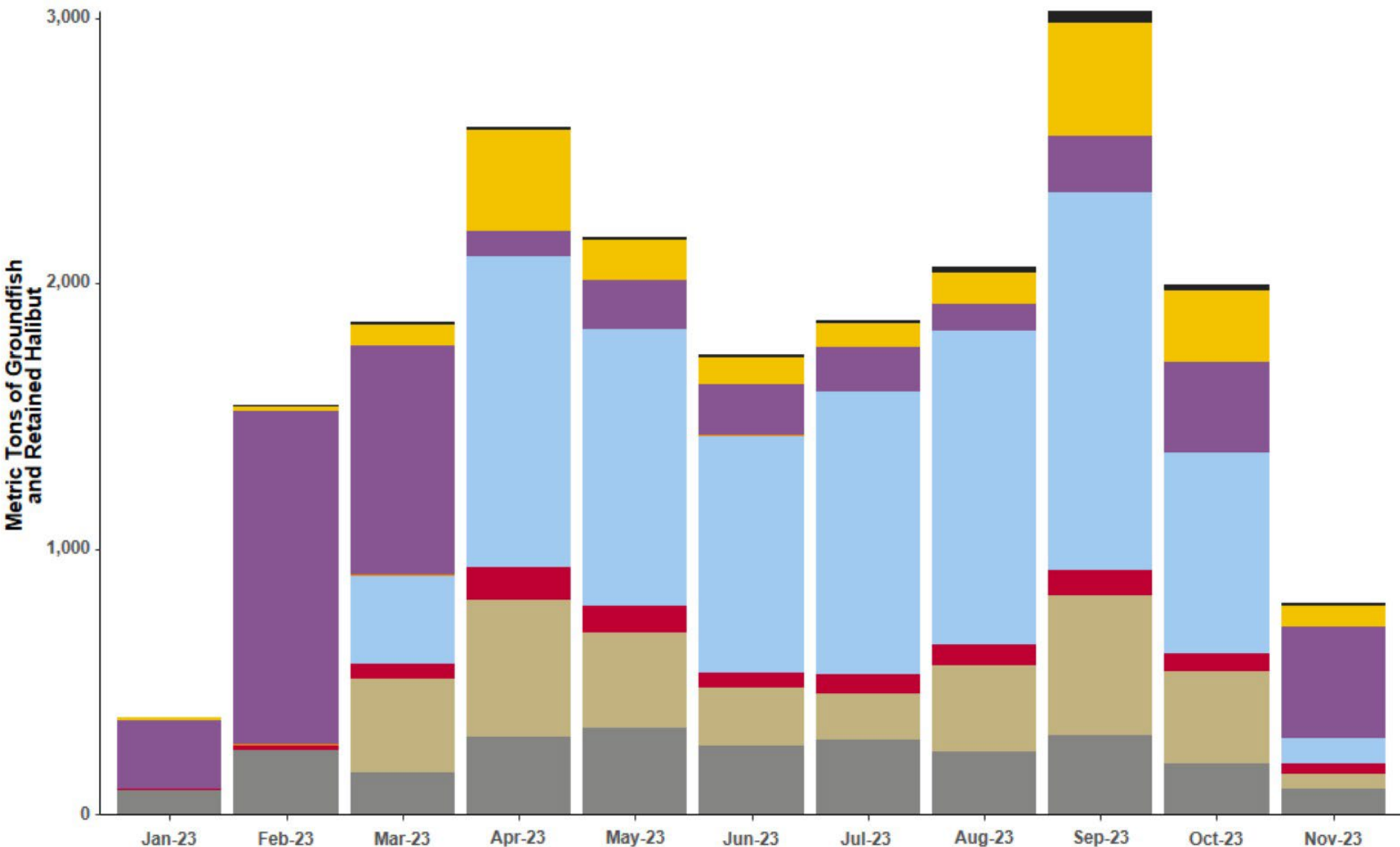
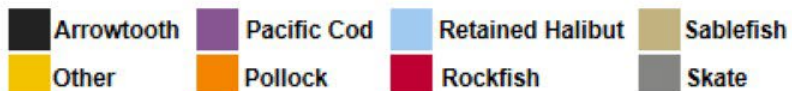
NMFS prohibited retention for Central/Western other rockfish November 13, 2023.

Predominate Species		
Trawl	Redstripe Rockfish	32%
	Harlequin Rockfish	25%
	Widow Rockfish	23%
Hook-and-Line	Yelloweye Rockfish	65%
	Unidentified Rockfish	14%
	Redbanded Rockfish	11%

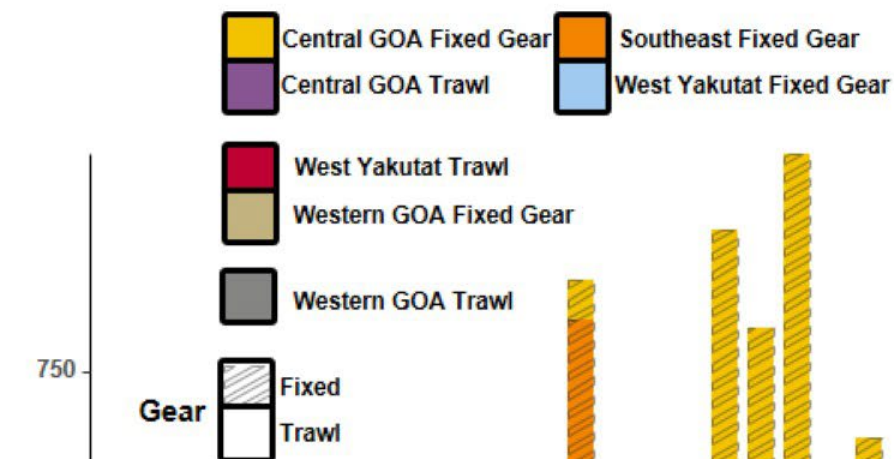
Metric Tons of Other Rockfish



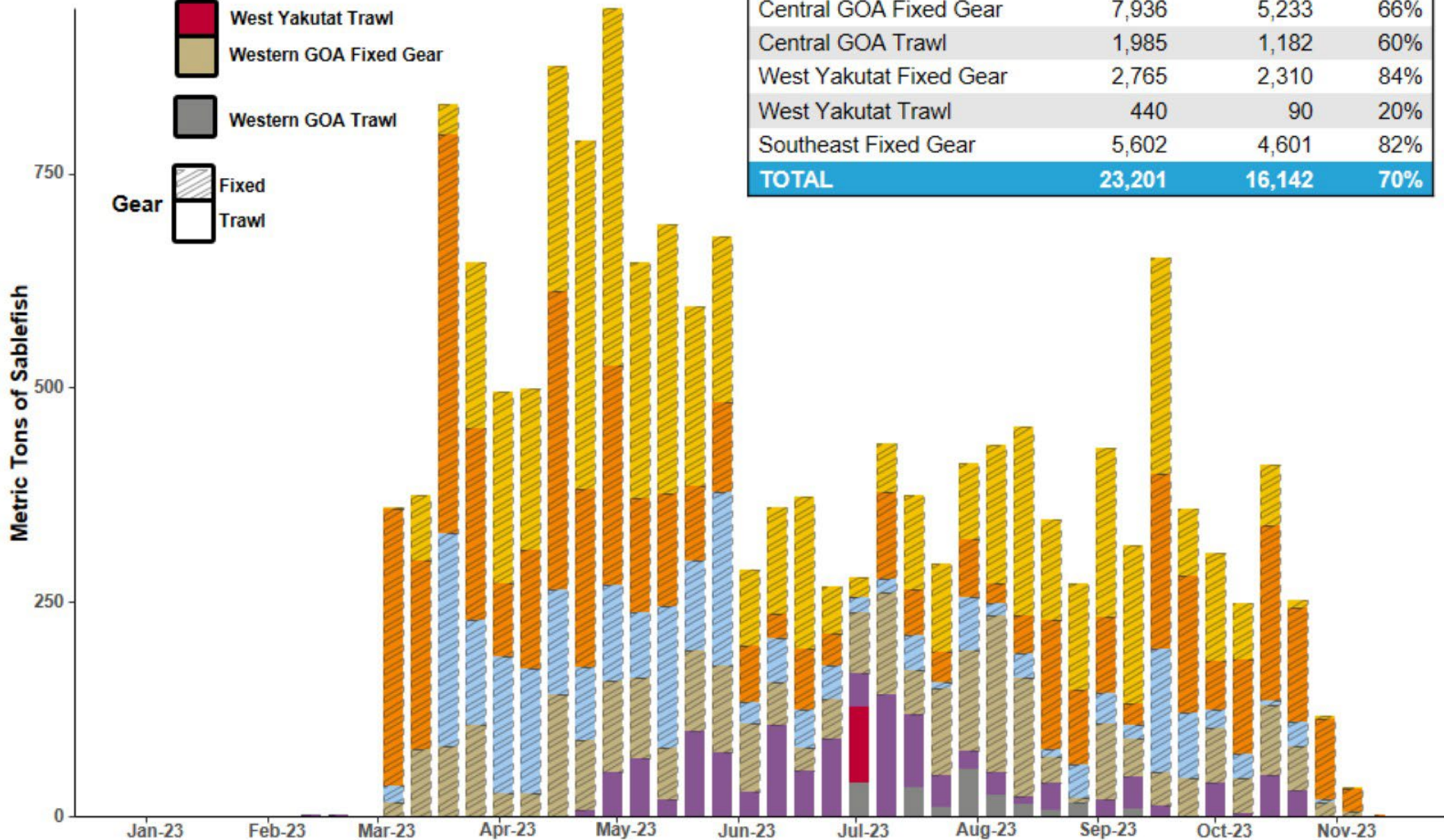
2023 GOA Hook-and-Line Catch



2023 GOA Sablefish Catch

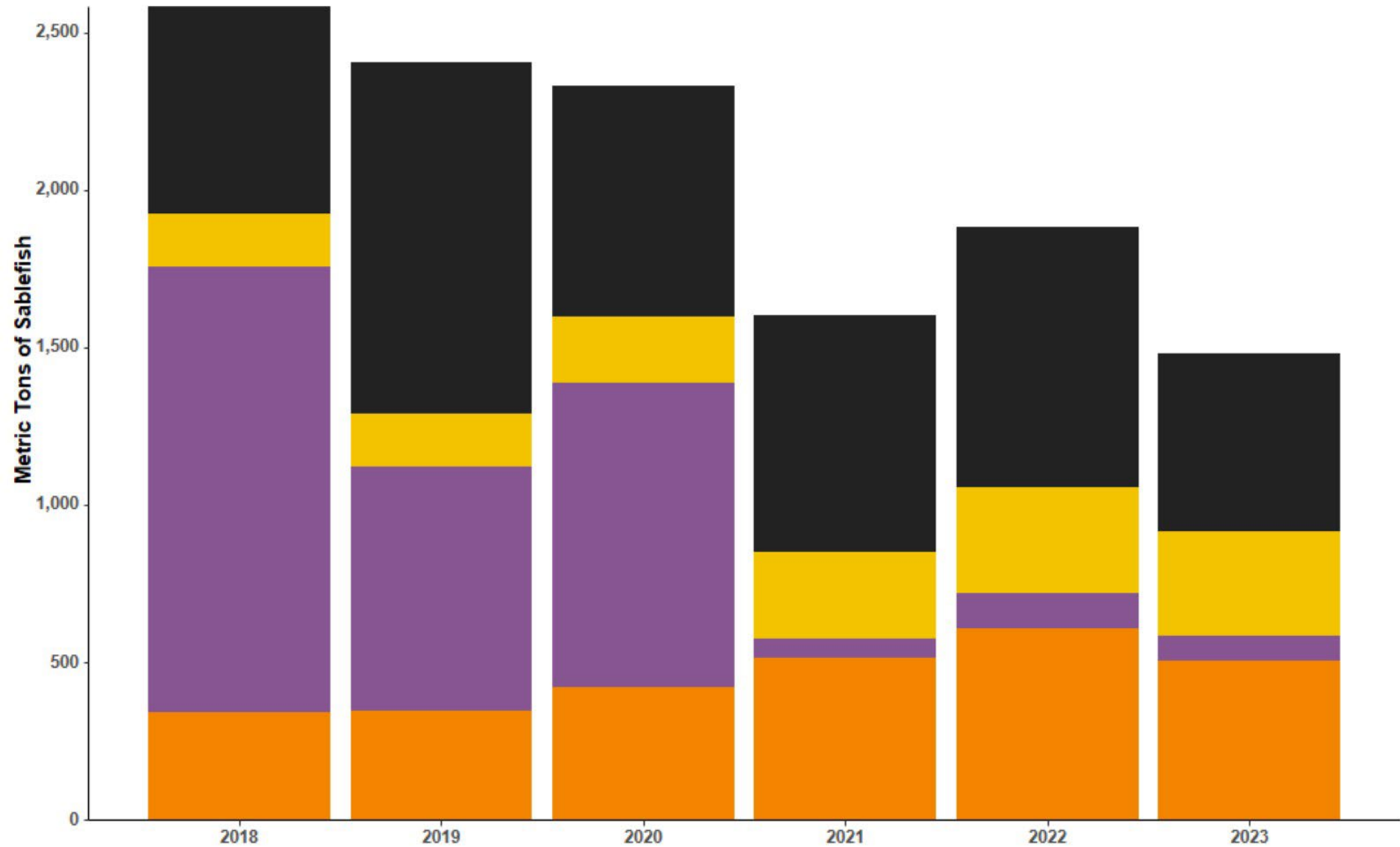


2023 Sablefish	TAC (mt)	Catch (mt)	%
Western GOA Fixed Gear	3,578	2,516	70%
Western GOA Trawl	895	210	23%
Central GOA Fixed Gear	7,936	5,233	66%
Central GOA Trawl	1,985	1,182	60%
West Yakutat Fixed Gear	2,765	2,310	84%
West Yakutat Trawl	440	90	20%
Southeast Fixed Gear	5,602	4,601	82%
TOTAL	23,201	16,142	70%



Sablefish Catch by Trawl Vessels

■ Trawl Catcher Processor (non-RP) ■ Trawl Catcher Processor (RP) ■ Trawl Catcher Vessel (non-RP) ■ Trawl Catcher Vessel (RP)



2023 Sablefish by Fixed Gear

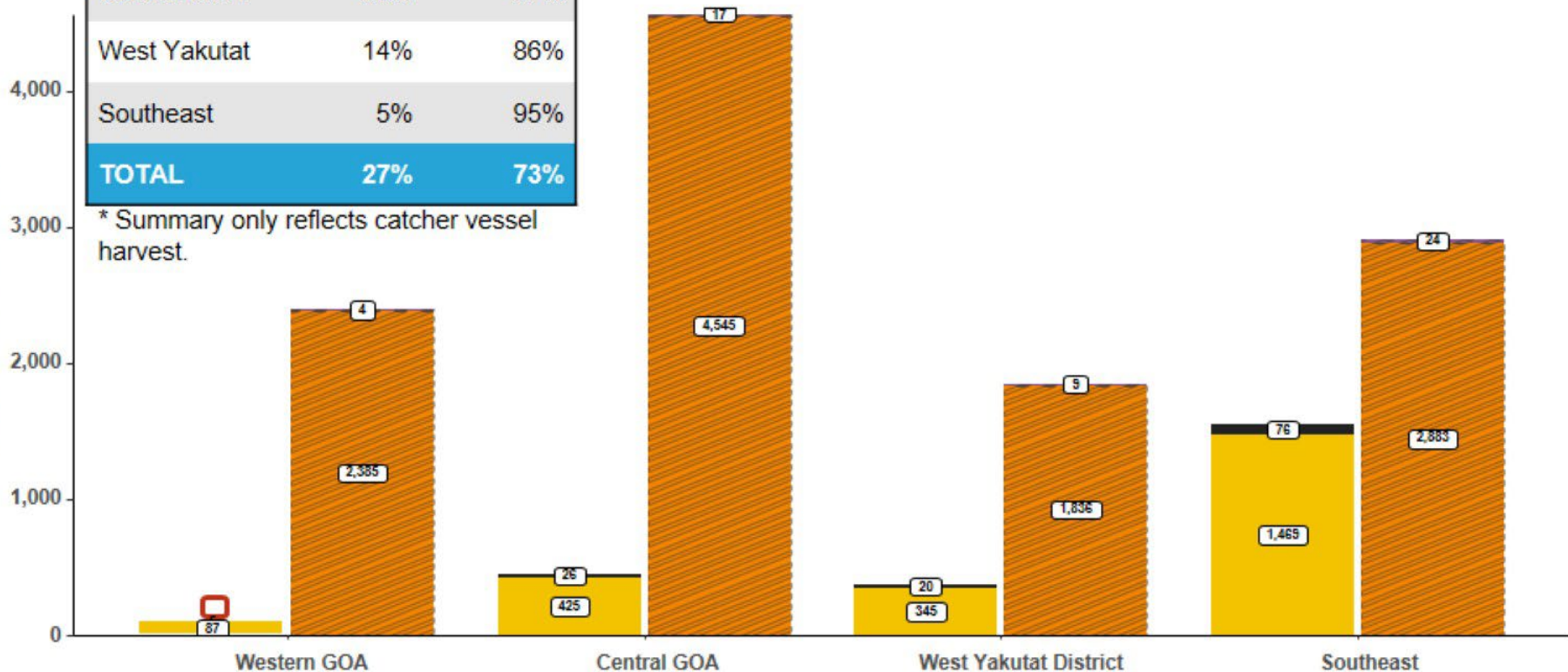


2023 Sablefish	Hook-and-Line			Pot		
	Unique Vessels	Sablefish (mt)	% of IFQ Sablefish	Unique Vessels	Sablefish (mt)	% of IFQ Sablefish
Western GOA	11	92	4%	41	2,390	96%
Central GOA	38	451	9%	77	4,561	91%
West Yakutat	36	364	16%	63	1,846	84%
Southeast	94	1,545	35%	111	2,907	65%
TOTAL	131	2,452	17%	182	11,705	83%

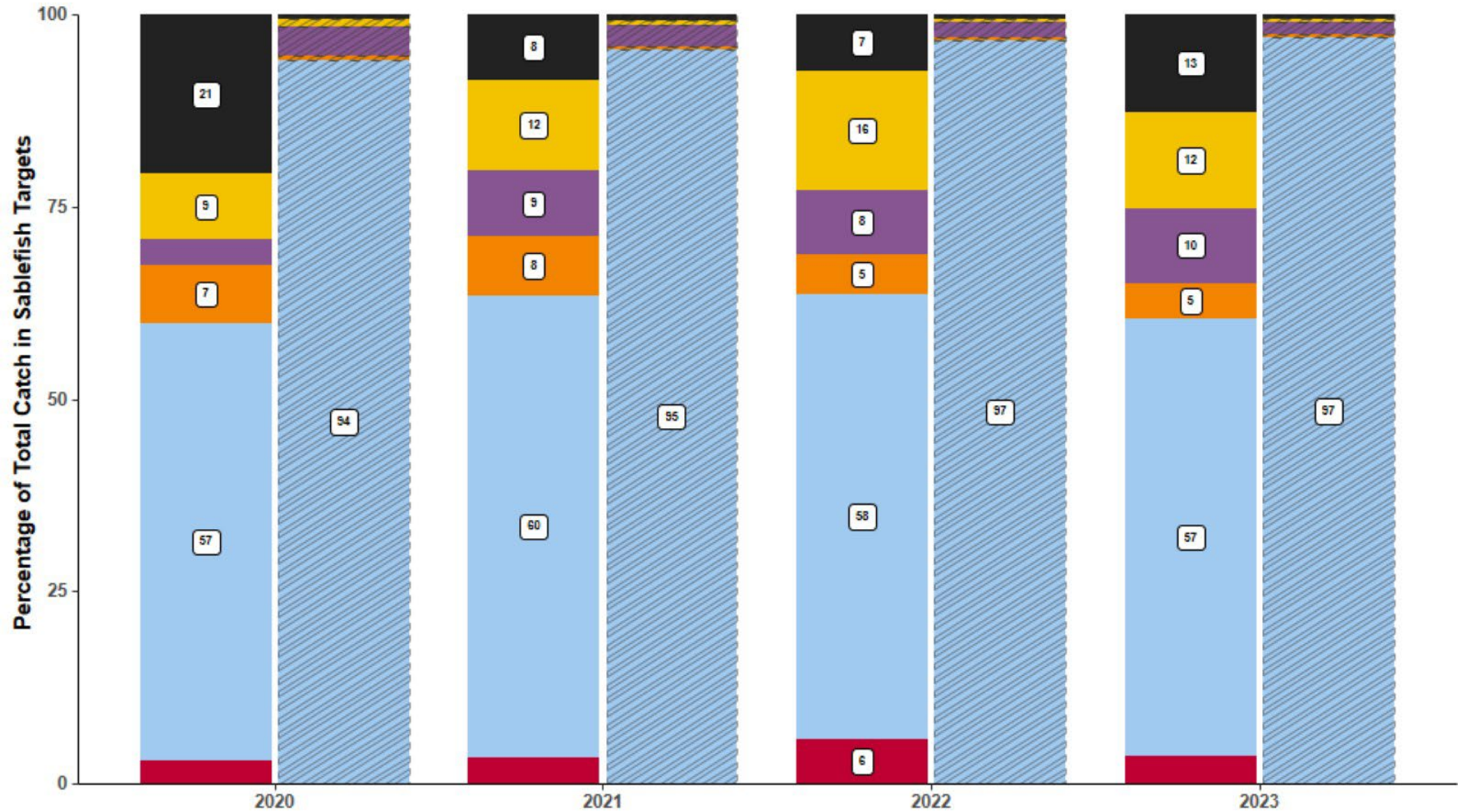
2023 Sablefish*	Hard Pots	Slinky Pots
Western GOA	60%	40%
Central GOA	33%	67%
West Yakutat	14%	86%
Southeast	5%	95%
TOTAL	27%	73%

* Summary only reflects catcher vessel harvest.

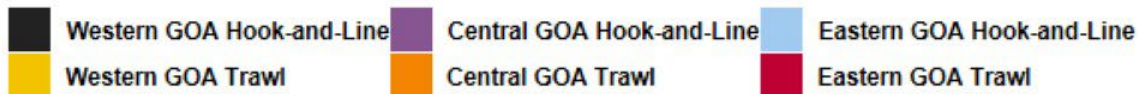
Metric Tons of Sablefish



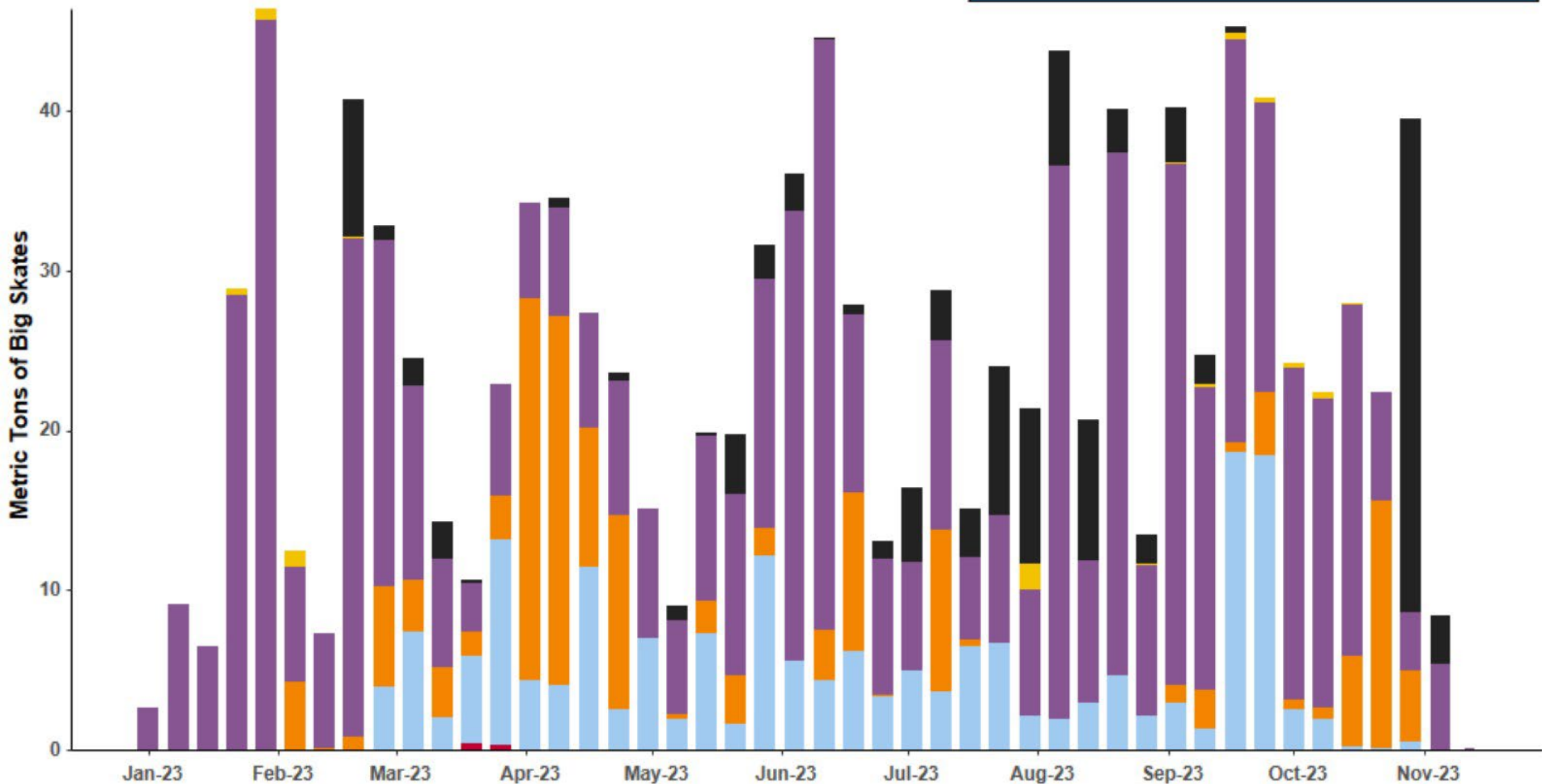
2023 Sablefish and Incidental Catch in Fixed Gear Sablefish Targets 29



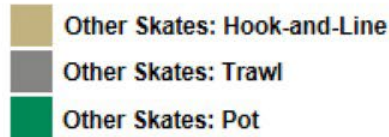
2023 GOA Big Skate



2023 Big Skate	TAC (mt)	Catch (mt)	%
Western GOA	591	122	21%
Central GOA	1,482	807	54%
Eastern GOA	794	186	23%
TOTAL	2,867	1,115	39%



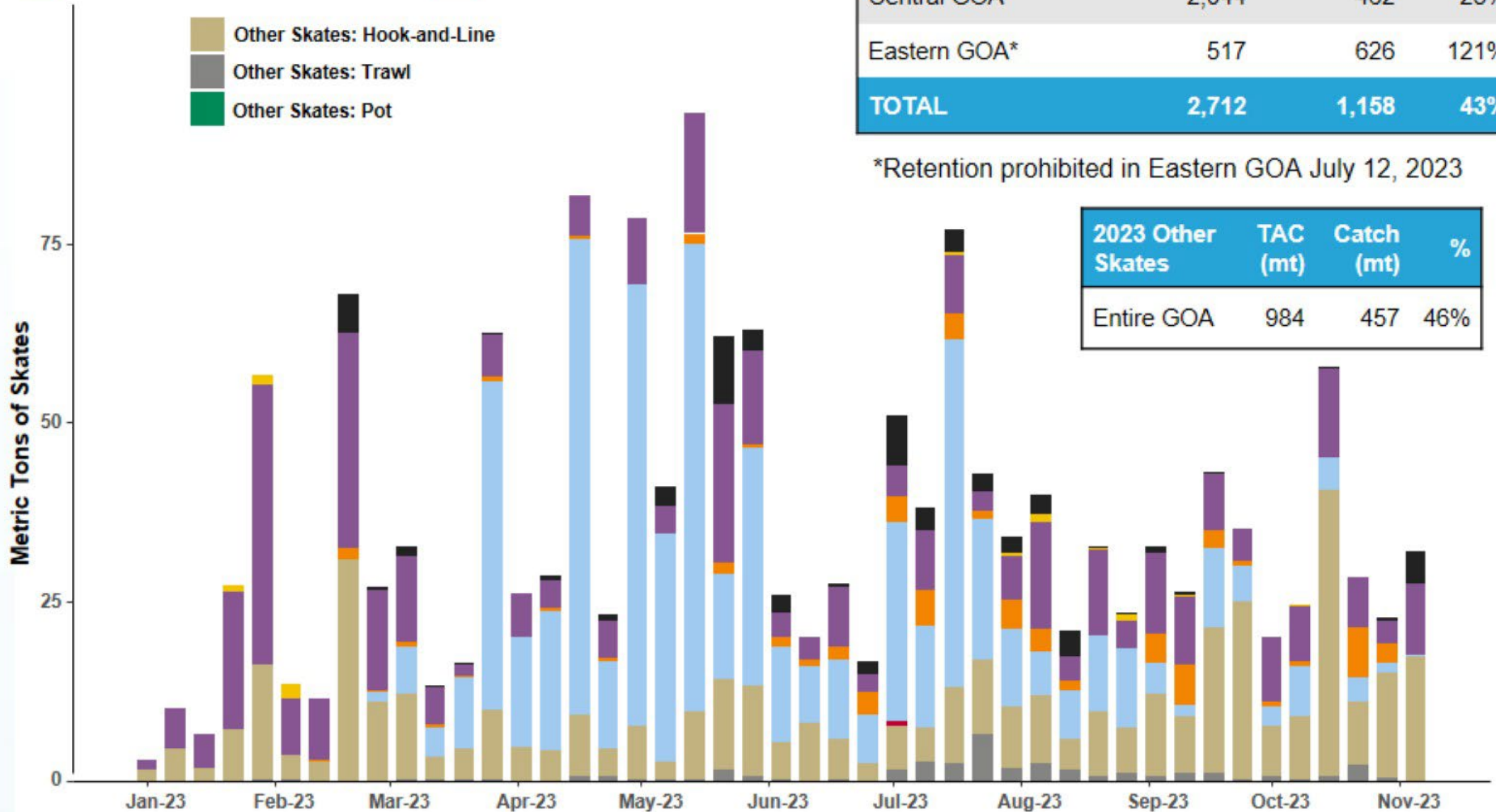
2023 GOA Longnose Skate and Other Skates



2023 Longnose Skate	TAC (mt)	Catch (mt)	%
Western GOA	151	70	46%
Central GOA	2,044	462	23%
Eastern GOA*	517	626	121%
TOTAL	2,712	1,158	43%

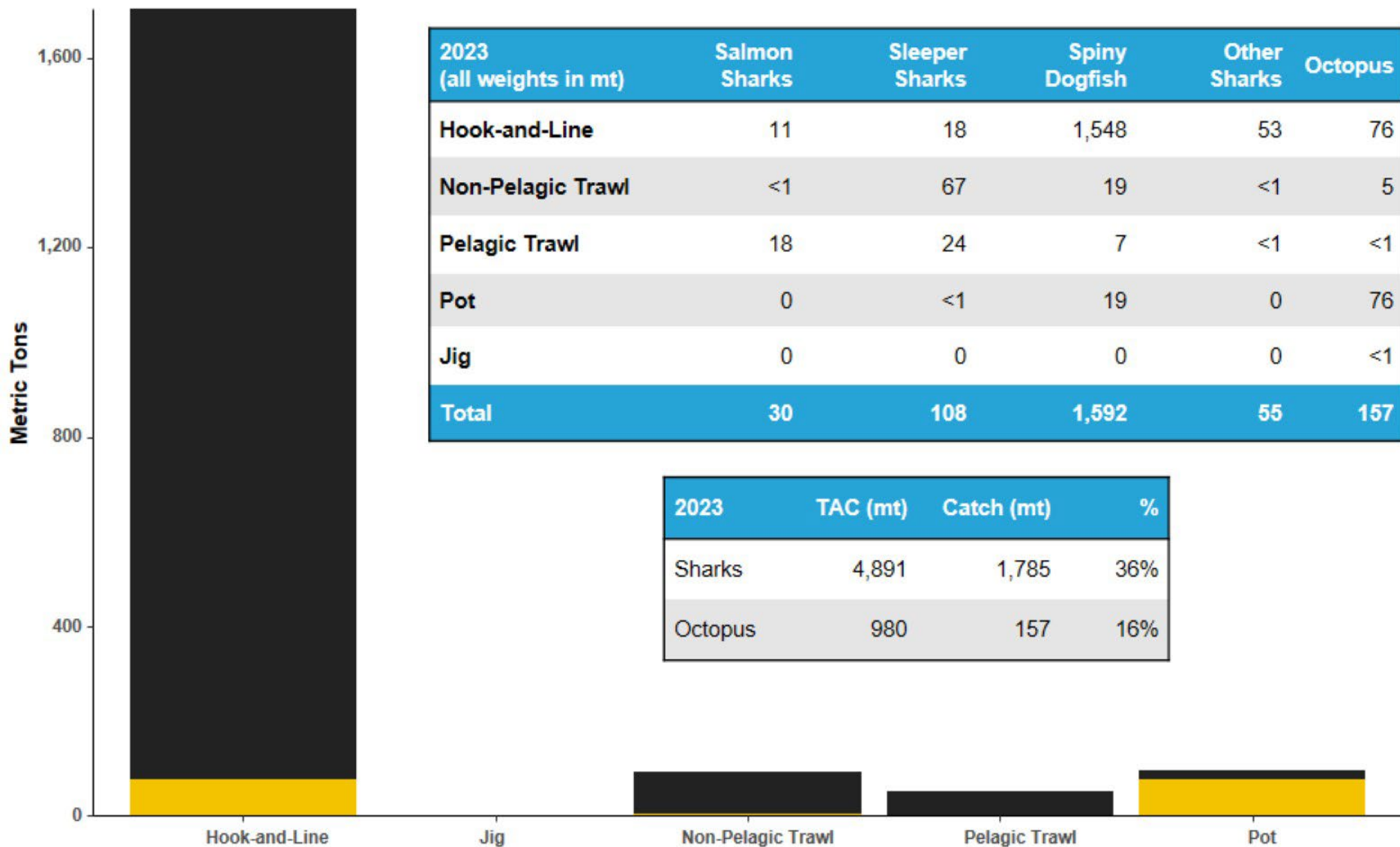
*Retention prohibited in Eastern GOA July 12, 2023

2023 Other Skates	TAC (mt)	Catch (mt)	%
Entire GOA	984	457	46%

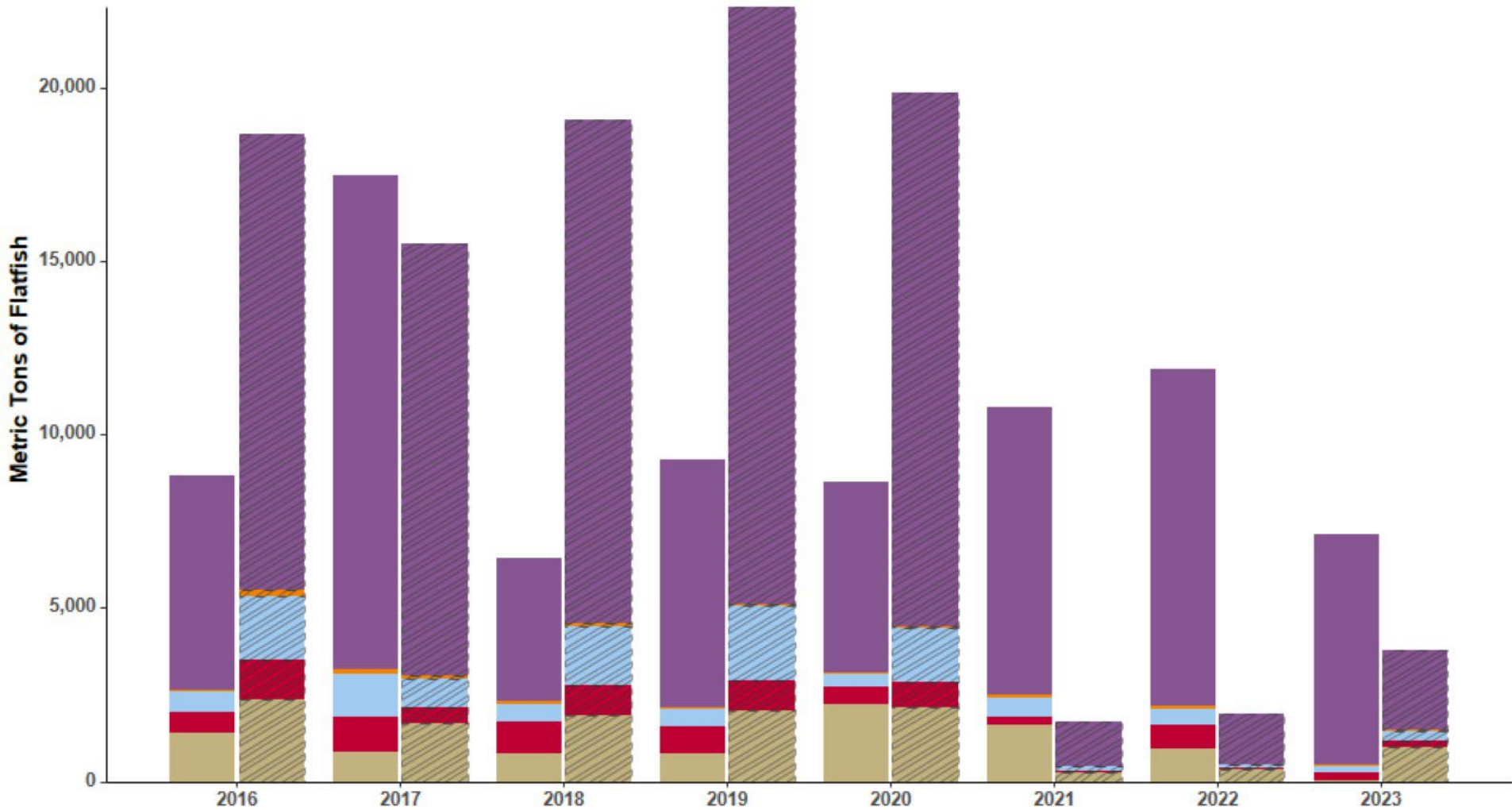
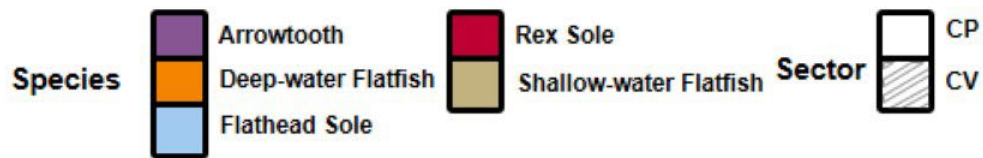


2023 GOA Sharks and Octopus

Sharks Octopus



GOA Trawl Flatfish Catch by Species



2023 Flatfish and Skate Catch in the GOA



Big Skate



Rex Sole

Species	Area	TAC (mt)	Total Catch (mt)	%
Arrowtooth Flounder	Western	14,500	390	3%
	Central	65,000	8,781	14%
Flathead Sole	Western	8,650	30	0%
	Central	21,487	434	2%
Rex Sole	Western	3,236	23	1%
	Central	13,110	392	3%
Shallow Water Flatfish	Western	13,250	23	0%
	Central	26,769	993	4%
Deep Water Flatfish	Western	256	24	9%
	Central	2,105	72	3%
Big Skate	Western	591	122	21%
	Central	1,482	807	54%
	Eastern	794	186	23%
Longnose Skate	Western	151	70	46%
	Central	2,044	462	23%
	Eastern	517	626	121%
Other Skate	GOA	984	457	46%

2023 GOA Groundfish Species Placed on Prohibited Species Status

2022				Date
Pacific Cod	GOA - Central 620/630	Catcher/Processor	Trawl	July 8
Other Rockfish	GOA - Central 620/630	All	All gear	August 6
Other Rockfish	GOA - Western 610	All	All gear	August 6
Pacific Ocean Perch	GOA - Central 620/630	Open Access	All gear	October 12
Shortraker Rockfish	GOA - Central 620/630	Catcher Processor	All gear	October 25
Shortraker Rockfish	GOA - Central 620/630	Catcher Vessel	All gear	October 25

2023				Date
Pacific Cod	GOA - Central 620/630	All	Jig	June 10
Longnose Skate	GOA - Eastern 640/650	All	All gear	July 12
Pacific Cod	GOA - Central 620/630	Catcher/Processor	Trawl	July 18
Pacific Cod	GOA - Central 620/630	CV >= 50 feet LOA	Hook-and-Line	September 1
Other Rockfish	GOA - Central 620/630	All	All gear	November 13
Other Rockfish	GOA - Western 610	All	All gear	November 13

GOA Trawl Groundfish Retained and Discarded

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2022 Trawl	Retained	Discarded	% Retained
Pollock	128,707	1,142	99%
Dusky Rockfish	2,537	37	99%
Northern Rockfish	1,869	29	98%
Atka Mackerel	833	46	95%
Pacific Ocean Perch*	28,415	1,067	96%
Shortraker Rockfish*	237	80	75%
Flathead Sole	480	79	86%
Thornyhead Rockfish	254	23	92%
Rex Sole	625	71	90%
Arrowtooth Flounder	10,286	921	92%
Pacific Cod*	7,532	678	92%
Rougheye Rockfish	293	28	91%
Shallow Water Flatfish	1,028	255	80%
Sablefish	1,354	527	72%
Skates	113	133	46%
Other Rockfish*	592	333	64%
Deep Water Flatfish	19	90	18%
Other Species	11	118	9%
TOTAL	185,186	5,656	97%

2023 Trawl	Retained	Discarded	% Retained
Pollock	130,519	1,352	99%
Dusky Rockfish	3,445	40	99%
Northern Rockfish	1,300	22	98%
Atka Mackerel	446	17	96%
Pacific Ocean Perch	28,628	1,164	96%
Shortraker Rockfish	361	17	96%
Flathead Sole	437	26	94%
Thornyhead Rockfish	130	8	94%
Rex Sole	382	33	92%
Arrowtooth Flounder	8,183	748	92%
Pacific Cod*	5,902	572	91%
Rougheye Rockfish	258	44	86%
Shallow Water Flatfish	856	150	85%
Sablefish	1,173	310	79%
Skates*	177	88	67%
Other Rockfish*	466	299	61%
Deep Water Flatfish	40	49	45%
Other Species	11	130	8%
TOTAL	182,716	5,067	97%

Sorted by species' percent retained.

* Species on prohibited retention status.

'Other Species' includes sharks and octopus.

Sorted by 2023 species' percent retained.

* Species on prohibited retention status.

'Other Species' includes sharks and octopus.

GOA Fixed Gear Groundfish Retained and Discarded

2022 Hook-and-Line	Retained	Discarded	% Retained
Demersal Shelf Rockfish	146	15	91%
Thornyhead Rockfish	69	6	92%
Sablefish	3,232	397	89%
Rougeye Rockfish	80	34	70%
Pacific Cod	4,640	901	84%
Shortraker Rockfish*	71	67	51%
Other Rockfish*	143	219	40%
Other Species	31	93	25%
Skates	222	2,541	8%
Arrowtooth Flounder	1	189	0%
Shark	1	2,094	0%
TOTAL	8,635	6,557	57%

Sorted by 2023 species' percent retained.

* Species on prohibited retention status.

'Other Species' includes Atka mackerel, flatfish, octopus, and pollock.

2023 Hook-and-Line	Retained	Discarded	% Retained
Demersal Shelf Rockfish	163	13	92%
Thornyhead Rockfish	51	6	89%
Sablefish	2,572	316	89%
Rougeye Rockfish	83	10	89%
Pacific Cod*	2,999	1,087	73%
Shortraker Rockfish	69	32	69%
Other Rockfish*	181	90	67%
Other Species	11	101	9%
Skates*	136	2,330	5%
Arrowtooth Flounder	1	165	0%
Shark	1	1,629	0%
TOTAL	6,265	5,780	52%

Sorted by 2023 species' percent retained.

* Species on prohibited retention status.

'Other Species' includes Atka mackerel, flatfish, octopus, and pollock.

2022 Pot	Retained	Discarded	% Retained
Pacific Cod	4,884	28	99%
Sablefish	13,493	155	99%
Octopus	60	44	58%
Other Species	89	288	24%
TOTAL	18,526	516	97%

Sorted by 2023 species' percent retained.

* Species on prohibited retention status.

'Other Species' includes pollock, flatfish, rockfish, and sharks.

2023 Pot	Retained	Discarded	% Retained
Pacific Cod	4,043	4	100%
Sablefish	11,717	54	100%
Octopus	40	36	53%
Other Species	91	210	30%
TOTAL	15,891	303	98%

Sorted by 2023 species' percent retained.

* Species on prohibited retention status.

'Other Species' includes pollock, flatfish, rockfish, and sharks.



Chinook Salmon

Chinook Salmon	Total Catch (#)	Limit (#)	%
Pollock Western GOA	1,980	6,684	30%
Pollock Central GOA	13,023	18,316	71%
Catcher Vessel Non-pollock/Non-Rockfish Program	937	3,060	31%
Catcher Vessel Rockfish Program	731	1,200	61%
Catcher Processors	1,025	4,080	25%
TOTAL	17,696	33,340	53%
Pollock 640	197	n/a	n/a
Non-trawl Gear	0	n/a	n/a

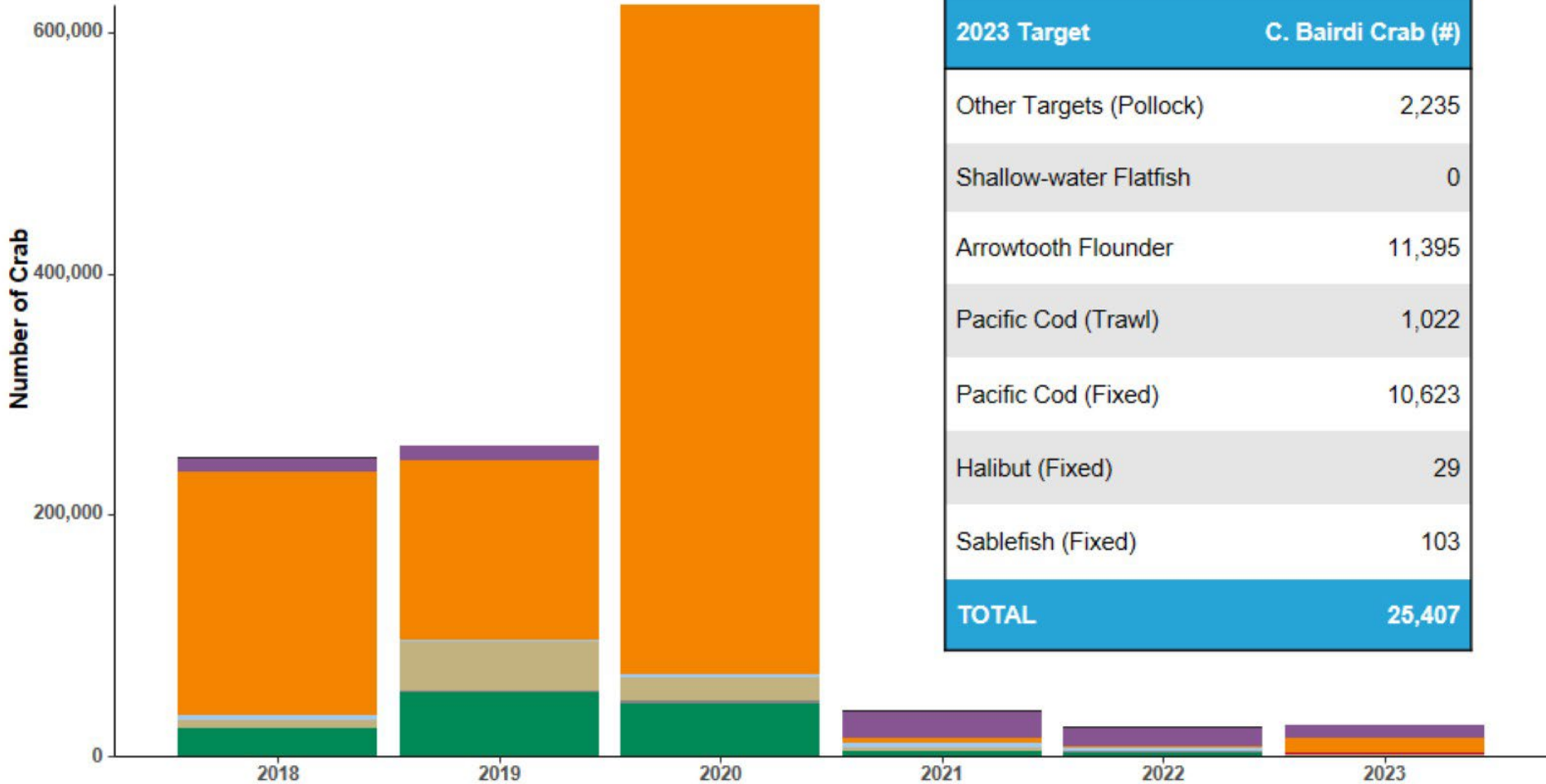
Other PSC Species	2022	2023
Non-Chinook Salmon (#)	5,306	5,756
Trawl Bairdi Tanner (#)	7,715	14,652
Fixed Gear Bairdi Tanner (#)	16,434	10,755
Red King Crab (#)	0	0
Golden King Crab (#)	358	1,742
Herring (mt)	85	70



Golden King Crab

Crab and salmon PSC is reported in number of animals. Herring PSC is reported in metric tons.

GOA C. Bairdi Tanner Crab Incidental Catch by Targets

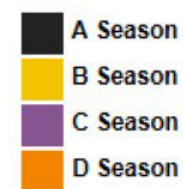
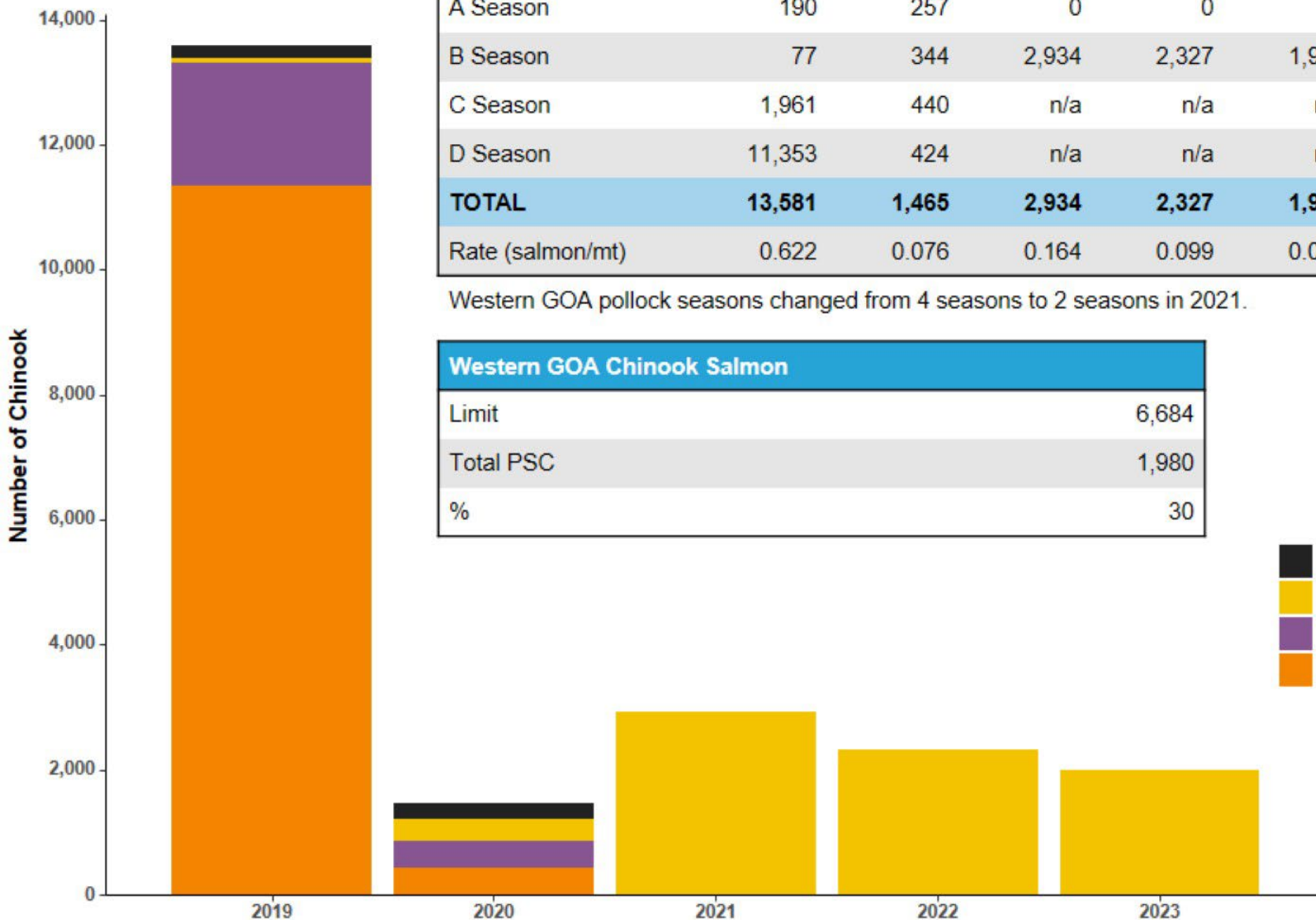


2023 Target	C. Bairdi Crab (#)
Other Targets (Pollock)	2,235
Shallow-water Flatfish	0
Arrowtooth Flounder	11,395
Pacific Cod (Trawl)	1,022
Pacific Cod (Fixed)	10,623
Halibut (Fixed)	29
Sablefish (Fixed)	103
TOTAL	25,407

Western GOA	2019	2020	2021	2022	2023
A Season	190	257	0	0	0
B Season	77	344	2,934	2,327	1,980
C Season	1,961	440	n/a	n/a	n/a
D Season	11,353	424	n/a	n/a	n/a
TOTAL	13,581	1,465	2,934	2,327	1,980
Rate (salmon/mt)	0.622	0.076	0.164	0.099	0.075

Western GOA pollock seasons changed from 4 seasons to 2 seasons in 2021.

Western GOA Chinook Salmon	
Limit	6,684
Total PSC	1,980
%	30

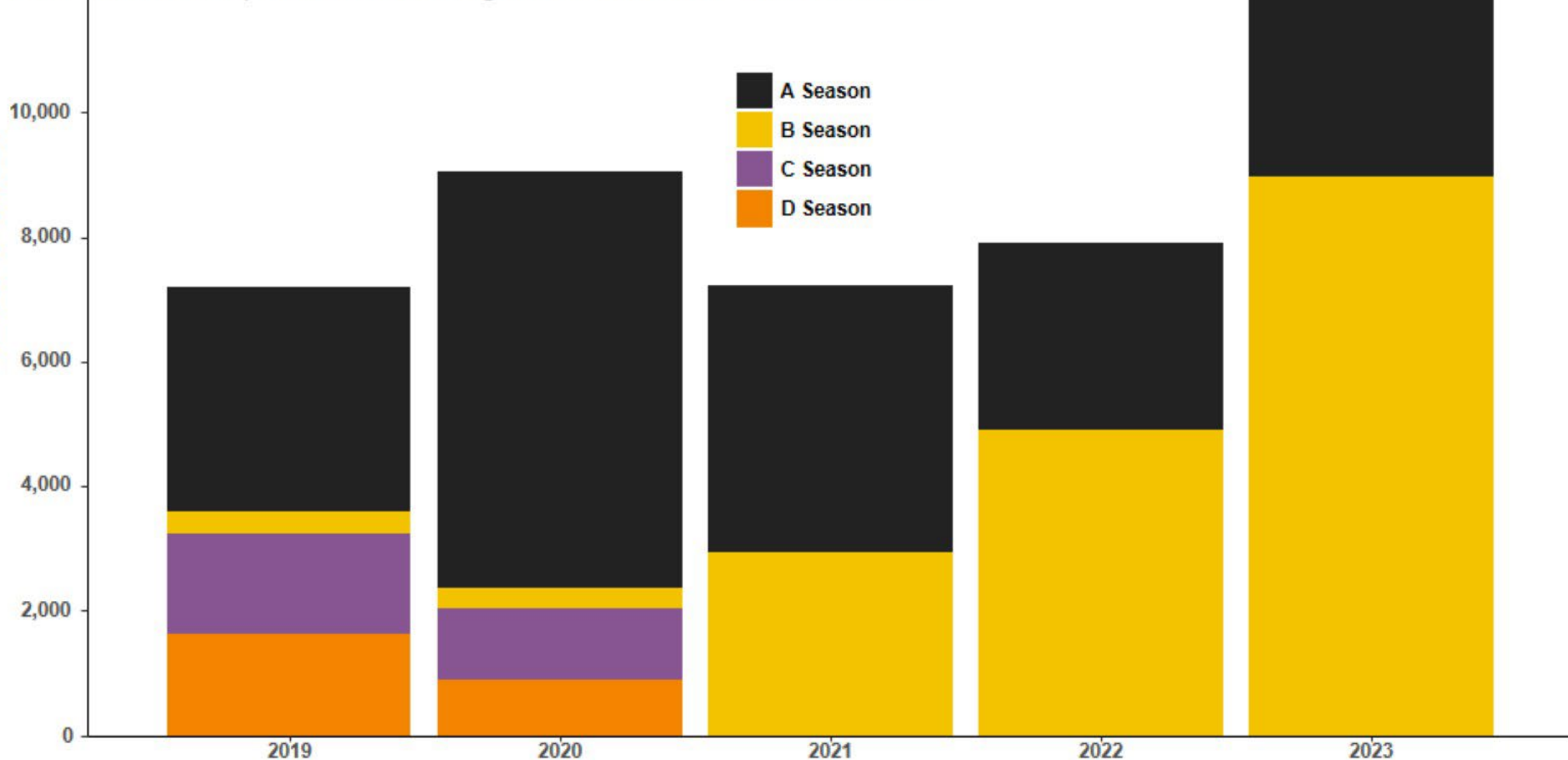


Chinook Salmon PSC in Central GOA Pollock Fisheries

Central GOA	2019	2020	2021	2022	2023
A Season	3,622	6,695	4,301	3,007	4,039
B Season	340	320	2,938	4,906	8,984
C Season	1,602	1,144	n/a	n/a	n/a
D Season	1,642	905	n/a	n/a	n/a
TOTAL	7,206	9,064	7,238	7,913	13,023
Rate (salmon/mt)	0.079	0.106	0.092	0.075	0.125

Central GOA Chinook Salmon	
Limit	18,316
Total PSC	13,023
%	71

12,000 Central GOA pollock seasons changed from 4 seasons to 2 seasons in 2021.



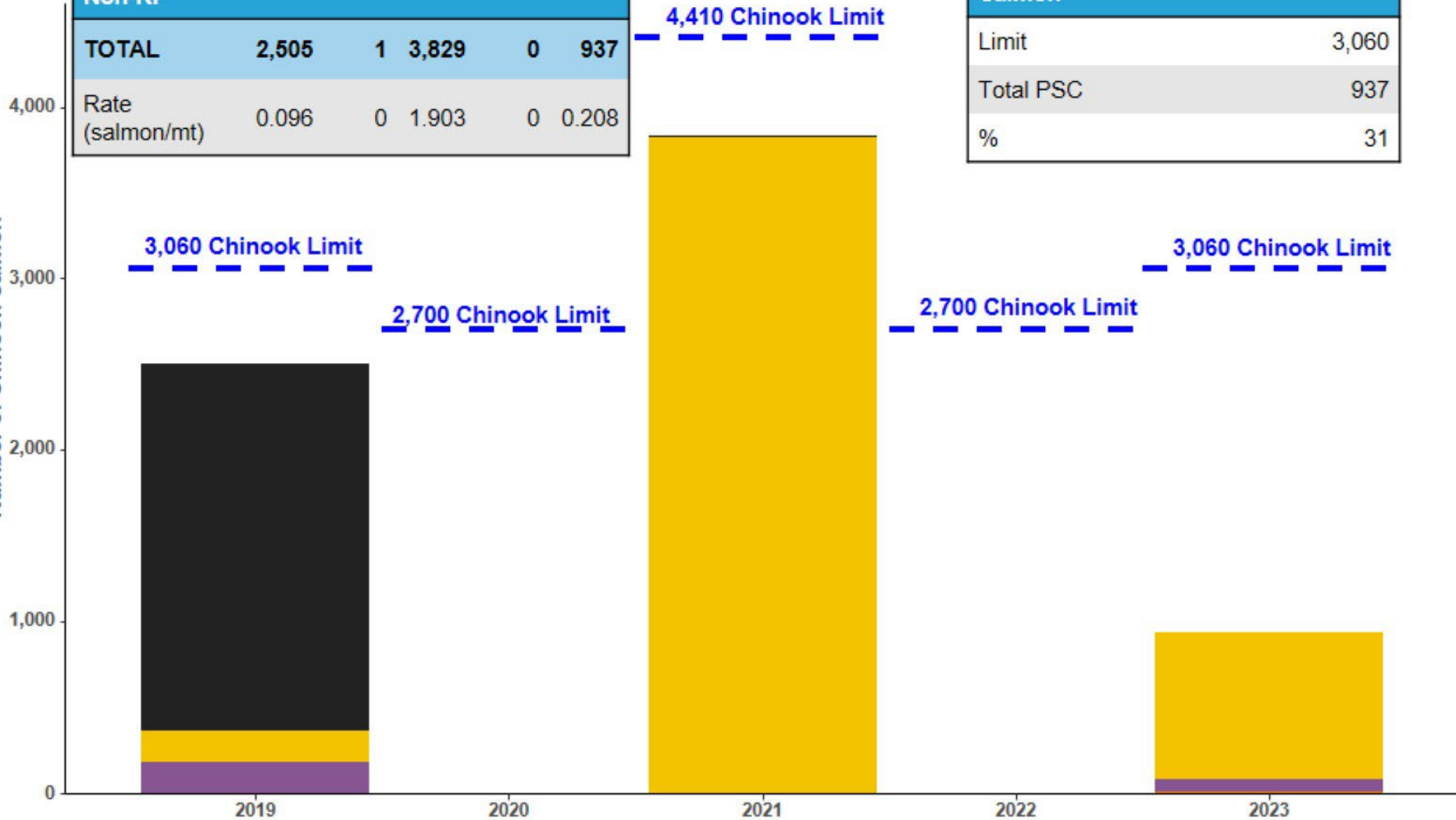
Chinook Salmon PSC in Non-Pollock / Non-Rockfish Program by CV

Deep-Water Flatfish
 Pacific Cod
 Shallow-Water Flatfish
 Other

Non-Pollock/ Non-RP	2019	2020	2021	2022	2023
TOTAL	2,505	1	3,829	0	937
Rate (salmon/mt)	0.096	0	1.903	0	0.208

Non-Pollock/Non-RP Chinook Salmon	
Limit	3,060
Total PSC	937
%	31

Number of Chinook Salmon

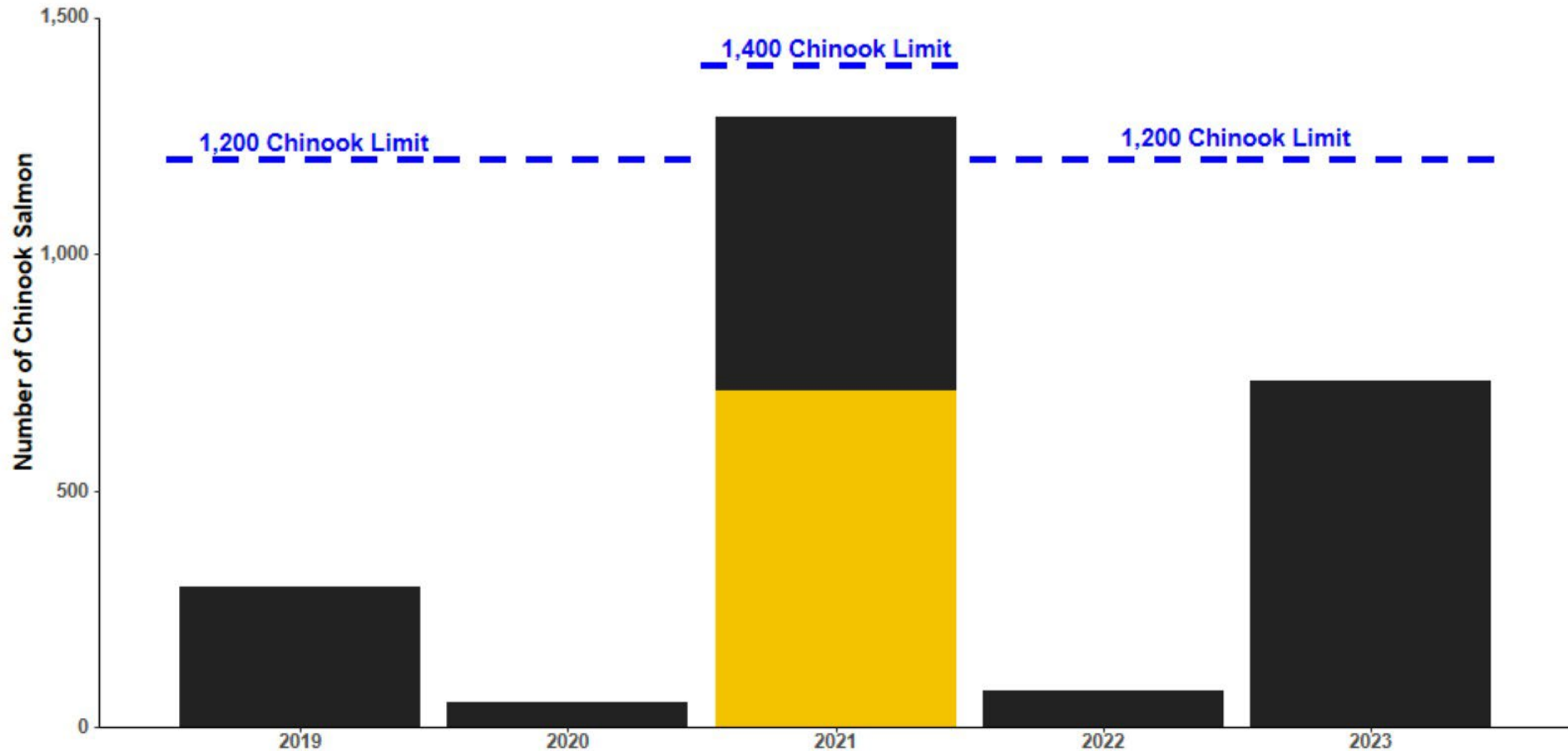


Chinook Salmon PSC in Rockfish Program by Catcher Vessels

Rockfish Program	2019	2020	2021	2022	2023
TOTAL	297	53	1,290	77	731
Rate (salmon/mt)	0.021	0.004	0.071	0.005	0.048

Rockfish
 Other

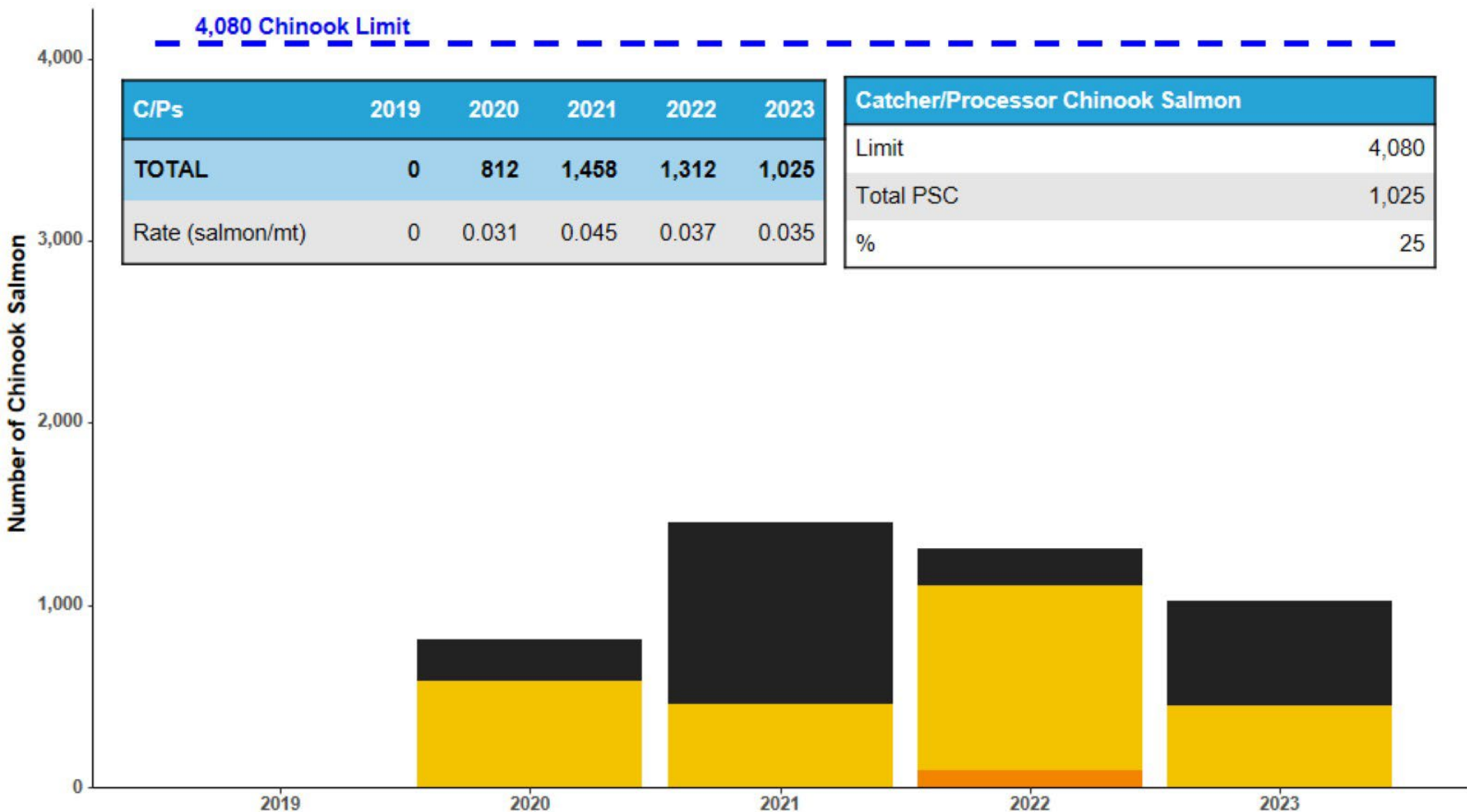
Rockfish Program Chinook Salmon	
Limit	1,200
Total PSC	731
%	61



Chinook Salmon PSC by Catcher/Processors

Deep-Water Flatfish
 Rockfish
 Shallow-Water Flatfish
 Other

4,080 Chinook Limit



2023 GOA Halibut Catch

Fixed Gear Halibut (mt)	Retained	Discard	Mortality	Limit	%
IFQ Halibut Fishery	8,001	3,529	565	n/a	n/a
IFQ Sablefish Fishery		73	13	n/a	n/a
Pacific Cod/Other Groundfish Targets - HAL		307	32	257	13%
Pacific Cod/Other Groundfish Targets - Pot		10	3	n/a	n/a
TOTAL	8,001	3,919	613	n/a	n/a

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

Halibut mortality rate in IFQ Halibut 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 13% for HAL CPs, 9% for HAL CVs, and 27% for pot CPs and CVs.

Trawl Halibut	Total Discard (mt)	Mortality (mt)	Mortality Limit (mt)	%
Pollock	55	44		
Pacific Cod	16	12		
Rockfish/Sablefish	58	42	n/a	n/a
Arrowtooth Flounder	283	164		
Shallow Water Flatfish	37	27		
TOTAL	450	289	1,705	17%

Includes 81 mt deck sorted halibut mortality by 6 trawl CPs.

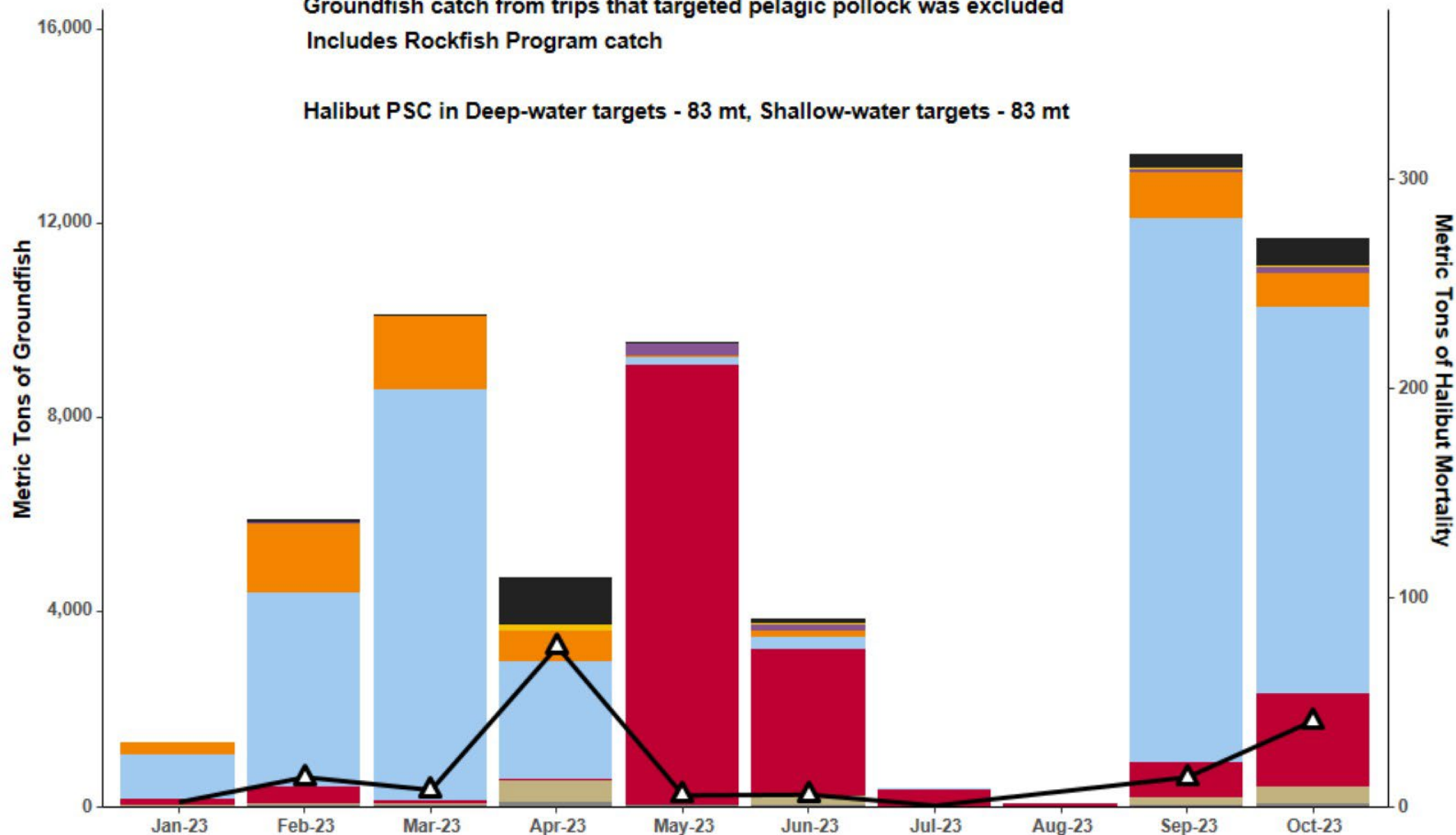
Discard mortality rates are 100% for pelagic trawl, 83% for non-pelagic trawl CPs and motherships, 74% for non-pelagic trawl CVs, and 55% for Rockfish Program CVs.

2023 GOA Catcher Vessel Trawl Catch and Halibut Mortality

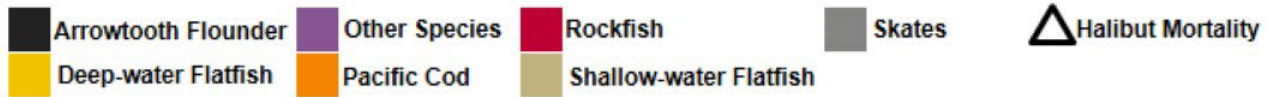


Groundfish catch from trips that targeted pelagic pollock was excluded
Includes Rockfish Program catch

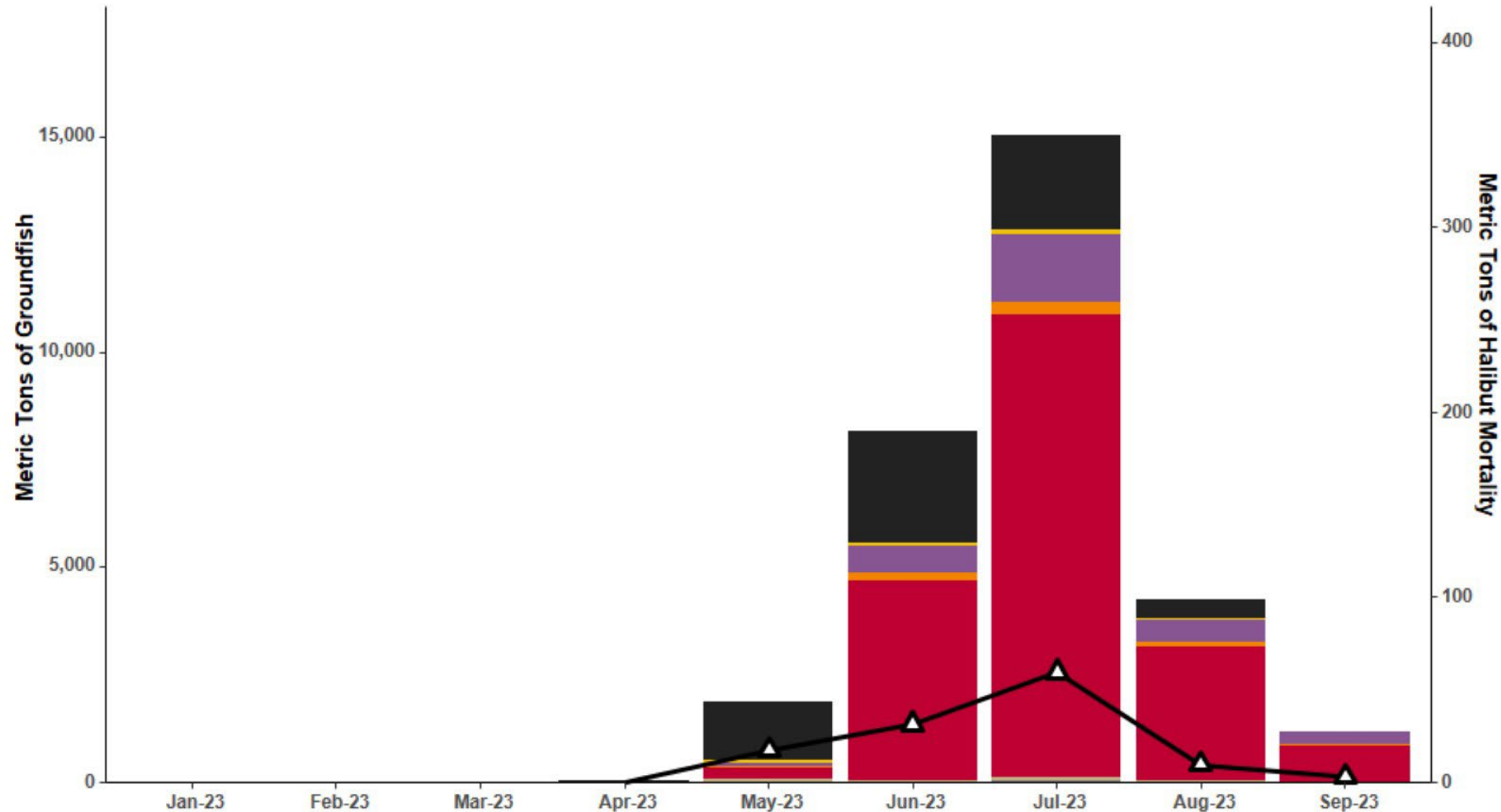
Halibut PSC in Deep-water targets - 83 mt, Shallow-water targets - 83 mt



2023 GOA Catcher/Processor Trawl Catch and Halibut Mortality 47



Halibut PSC in Deep-water targets - 123 mt, Shallow-water targets - 0 mt



2023 Trawl Halibut Mortality

Category	Season	Start Date	End Date	Limit (mt)	Total Mortality (mt)	%
Deep Water Species	1	Jan 20	Mar 31	135	0	0%
	2	Apr 01	Jun 30	256	112	44%
	3	Jul 01	Jul 31	-41	21	-51%
	4	Aug 01	Oct 01	75	11	15%
	TOTAL				425	144
Shallow Water Species	1	Jan 20	Mar 31	384	24	6%
	2	Apr 01	Jun 30	85	30	36%
	3	Jul 01	Jul 31	121	0	0%
	4	Aug 01	Oct 01	53	14	26%
	TOTAL				643	68
Rockfish Program	TOTAL			191	41	21%
Season 5 Halibut Allocation	TOTAL			256	36	14%
Halibut Mortality	TOTAL			1,705	289	17%

Mortality from trawl gear only; No fixed gear mortality included.
Includes reallocation between Deep-water and Shallow-water in July.

2023 GOA 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	Catcher/Processors	18	15	-16%	8.93	11.24	26%
	Catcher Vessels	38	17	-55%	16.69	5.27	-68%
Hook-and-Line	Total	56	32	-42%	13.45	7.03	-48%
Trawl CVs	Central GOA CVs (NPT)	478	136	-72%	18.94	12.00	-37%
	Western GOA CVs (NPT)	19	12	-37%	8.42	8.22	-2%
	Pelagic Trawl CVs	29	18	-38%	0.22	0.12	-45%
Trawl CVs	Total	526	166	-68%	3.31	1.03	-69%
Trawl CPs	Total	238	123	-48%	7.48	4.02	-46%
All Sectors	Total	820	321	-61%	4.20	1.64	-61%

Mortality from trawl and fixed gear.

* Rate is kg of halibut / mt of groundfish

2023 GOA Reduction in Halibut Mortality Compared to 2022

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	Sector	2022 (mt)	2023 (mt)	% Change (mt)	2022 Rate *	2023 Rate *	% Change in Rate
Hook-and-Line	Catcher/Processors	21	15	-28%	7.51	11.24	50%
	Catcher Vessels	24	17	-29%	6.85	5.27	-23%
Hook-and-Line	Total	45	32	-29%	7.14	7.03	-2%
Trawl CVs	Central GOA CVs (NPT)	65	136	108%	6.18	12.00	94%
	Western GOA CVs (NPT)	2	12	375%	1.09	8.22	653%
	Pelagic Trawl CVs	18	18	-2%	0.13	0.12	-4%
Trawl CVs	Total	86	166	93%	0.55	1.03	88%
Trawl CPs	Total	267	123	-54%	7.24	4.02	-44%
All Sectors	Total	399	321	-19%	1.99	1.64	-18%

Mortality from trawl and fixed gear.

* Rate is kg of halibut / mt of groundfish

Acknowledgements

BSAI and GOA

Industry Reports:

Catcher Vessels

- 984 unique vessels with approximately 10,147 landings to 70 unique processors

Catcher/Processors

- 54 unique vessels fishing approximately 10,026 vessel days

Observer Program

- FMA staff
- All observers

Elandings Team

- NMFS, ADF&G, IPHC, and Enforcement

Inseason Staff

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

Information Services Staff

- 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
- Joel Kraski

Pacific State Marine Fisheries Commission

- EM reviewers

Operations Staff

- Amanda Oliver