



**NOAA
FISHERIES**

Alaska Region

GOA Inseason Management Report

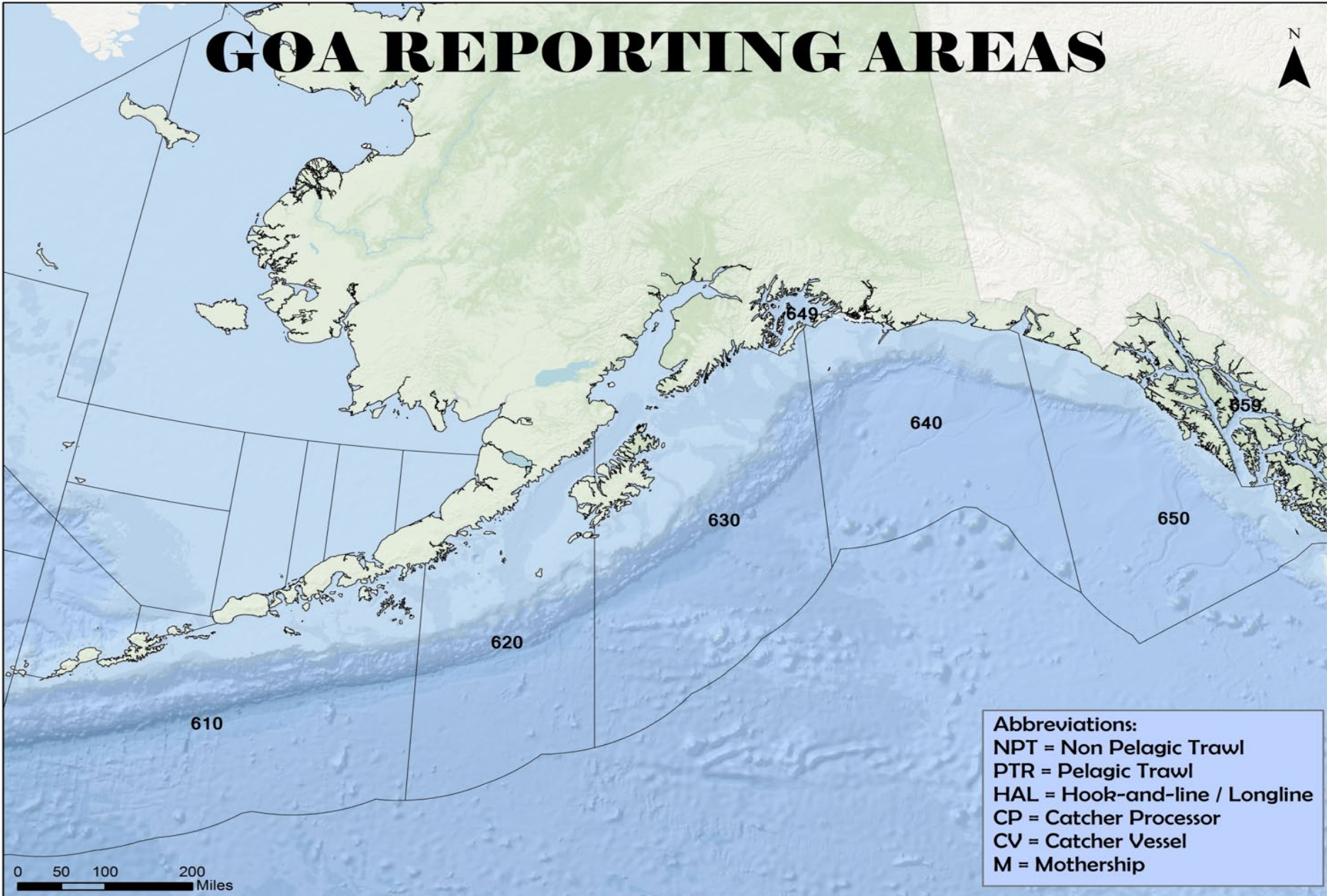
November 2022

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>

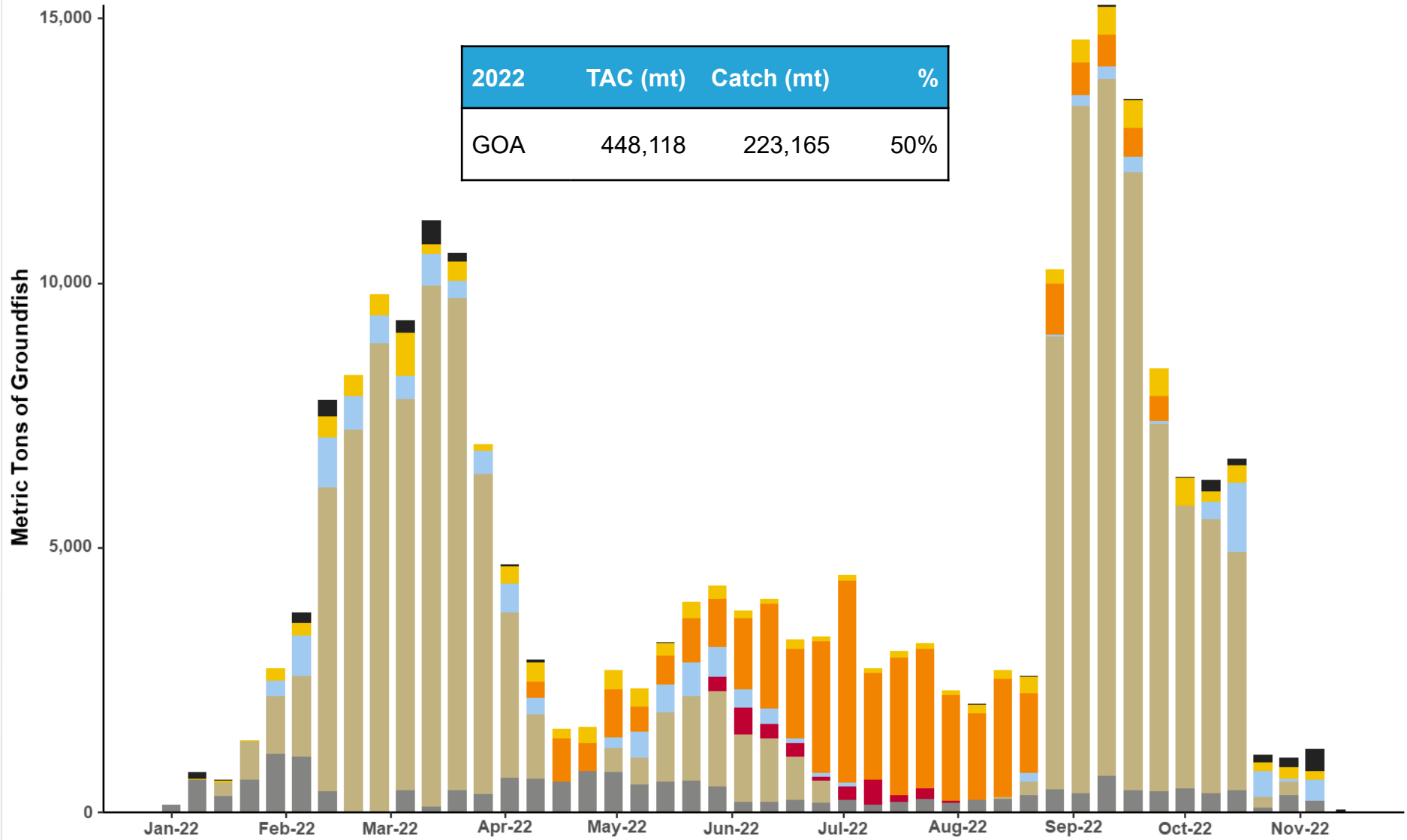
GOA REPORTING AREAS



2022 GOA Total Groundfish Catch by Gear and Sector



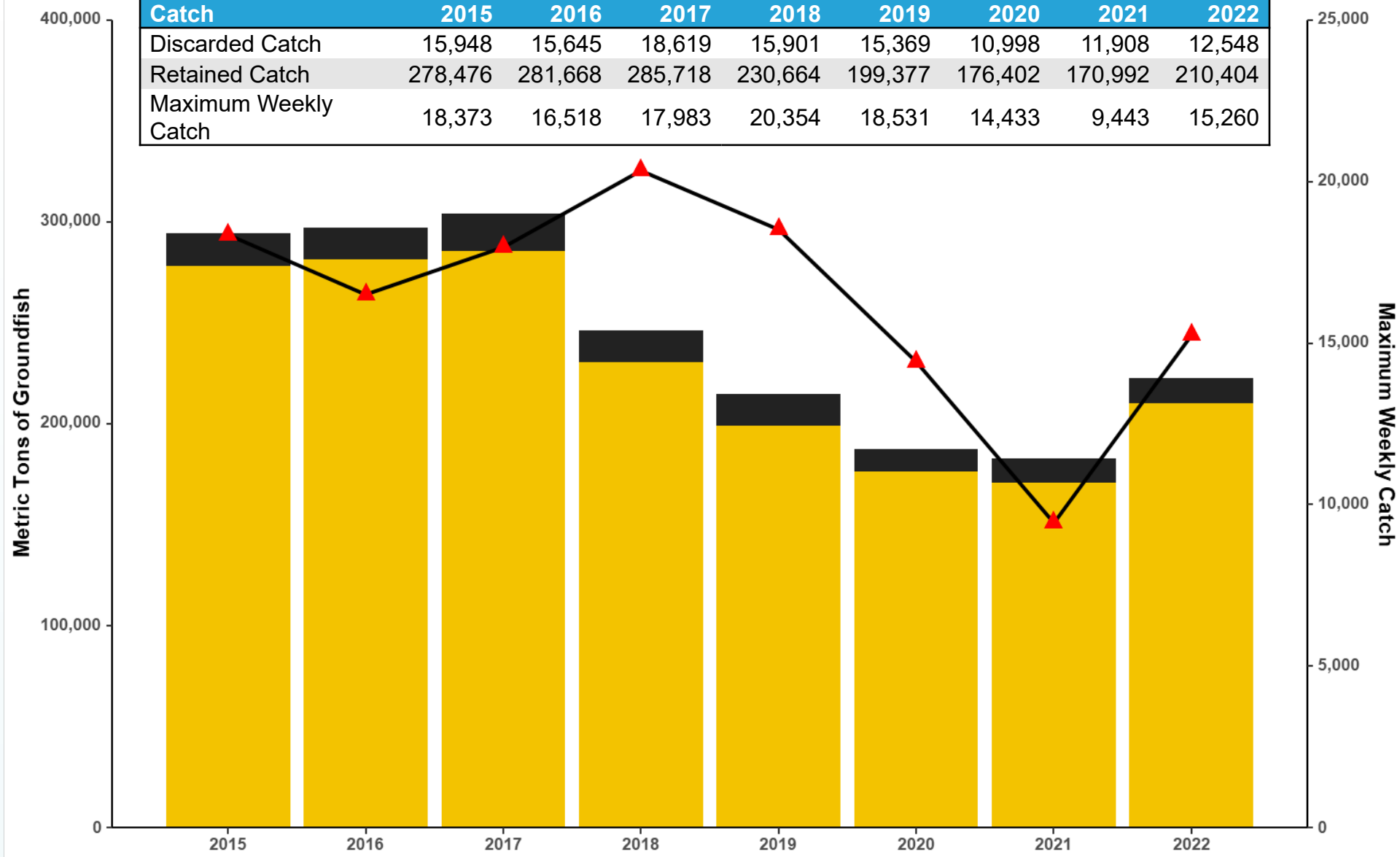
2022	TAC (mt)	Catch (mt)	%
GOA	448,118	223,165	50%



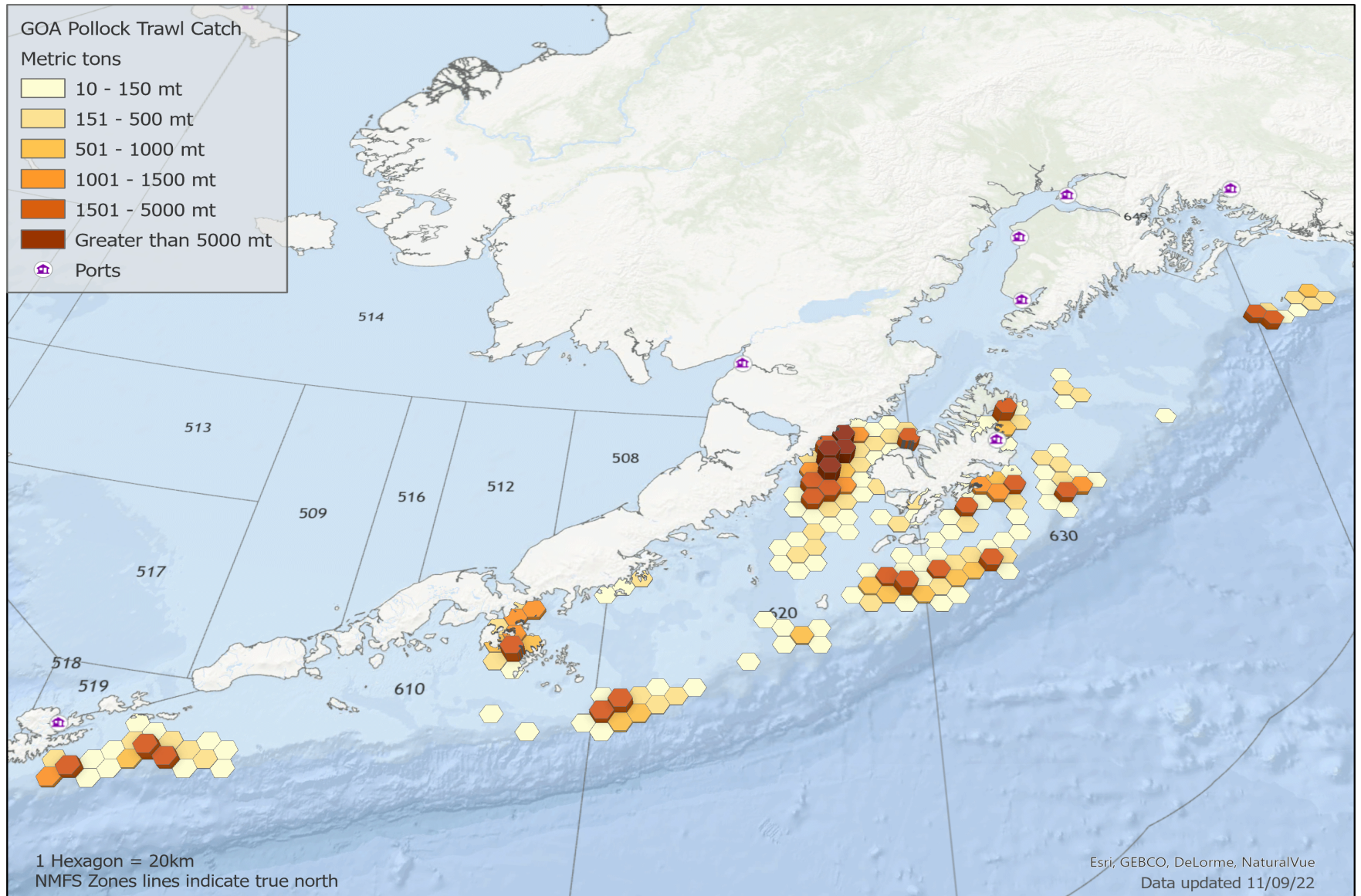
GOA Total Groundfish Catch and Maximum Weekly Harvest

Discarded Catch
 Retained Catch
 Maximum Weekly Catch

Catch	2015	2016	2017	2018	2019	2020	2021	2022
Discarded Catch	15,948	15,645	18,619	15,901	15,369	10,998	11,908	12,548
Retained Catch	278,476	281,668	285,718	230,664	199,377	176,402	170,992	210,404
Maximum Weekly Catch	18,373	16,518	17,983	20,354	18,531	14,433	9,443	15,260

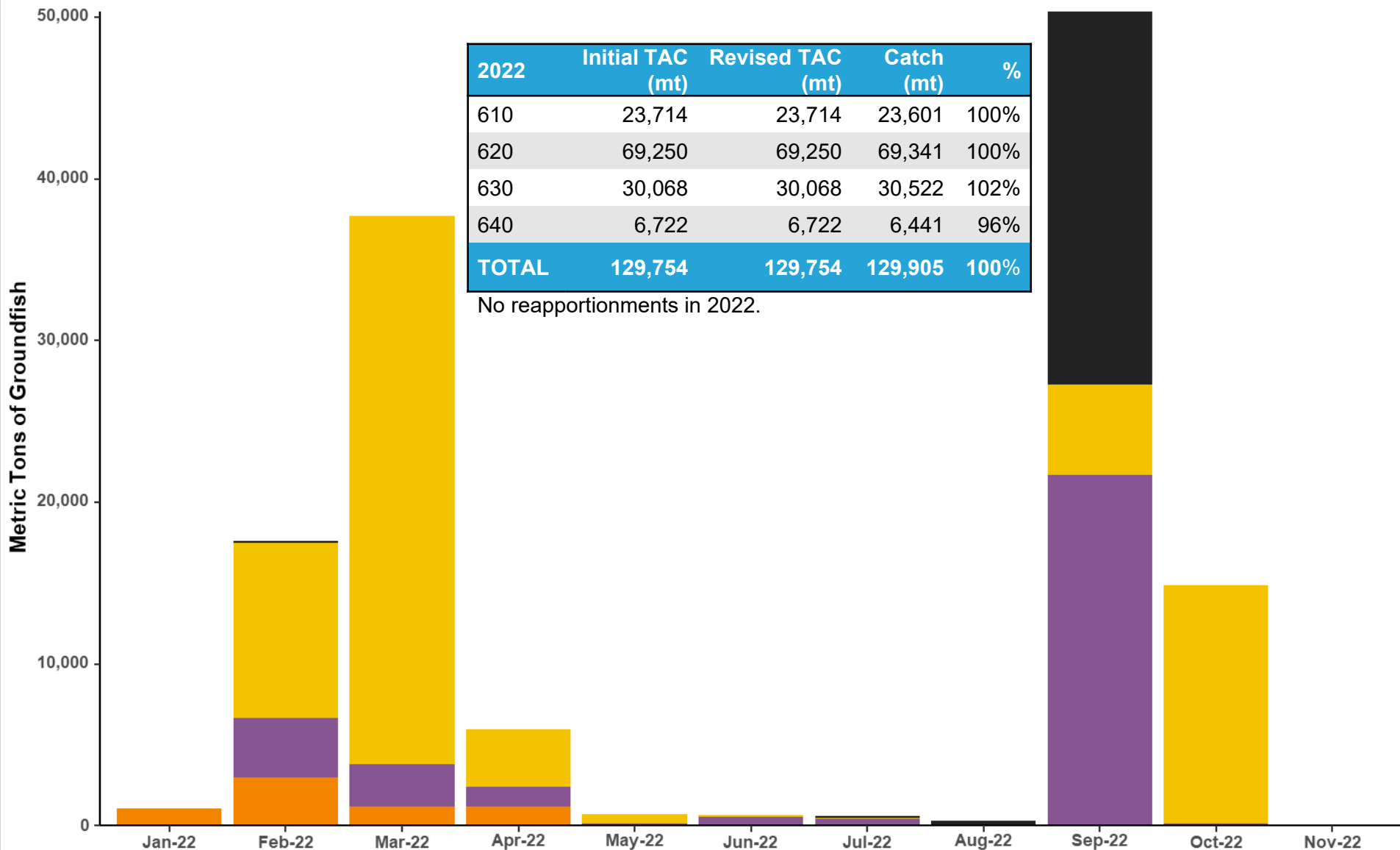


2022 Gulf of Alaska Pollock Directed Fishery



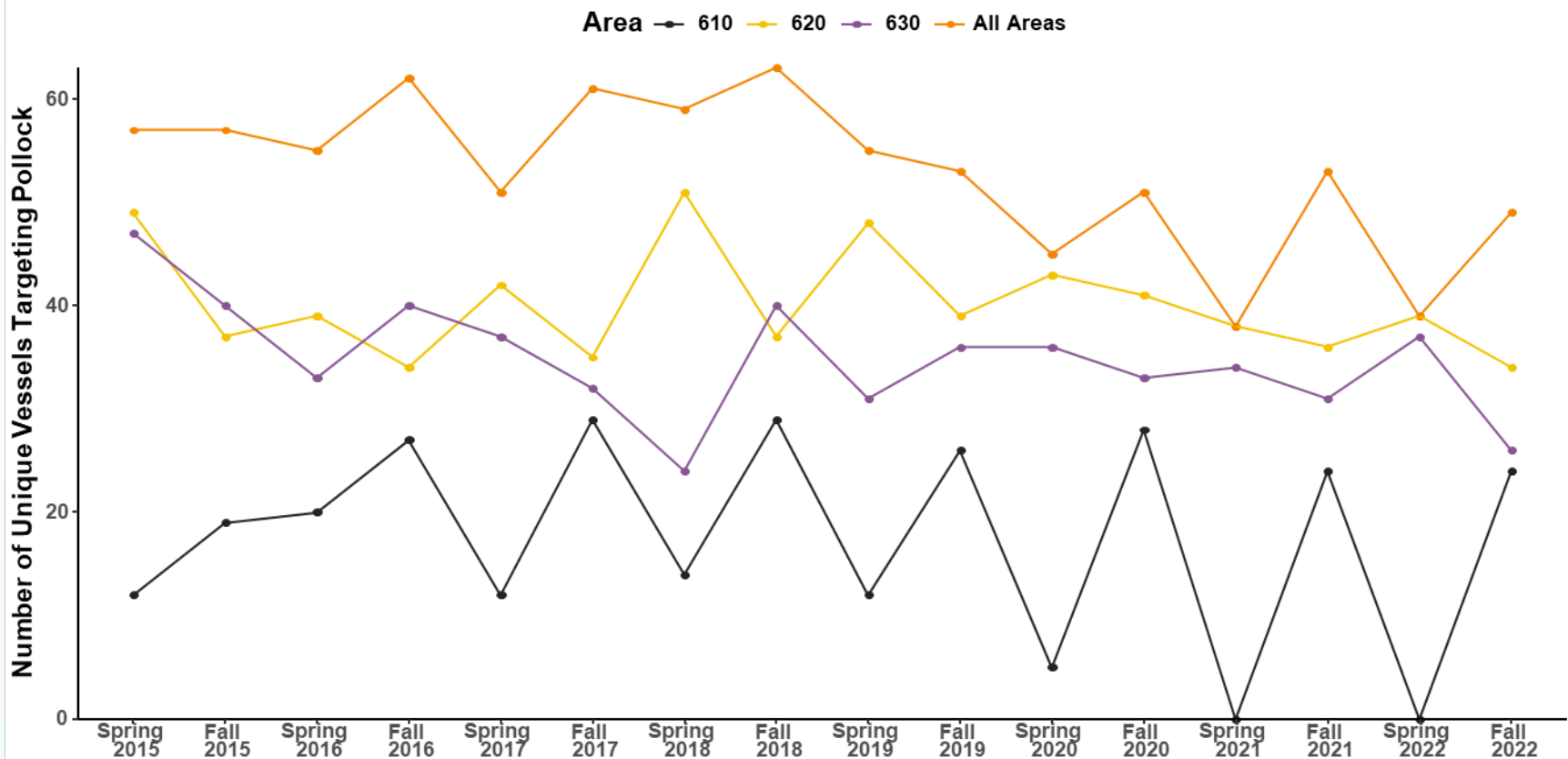
2022 Pollock Catch in the GOA

Area 610 620 630 640

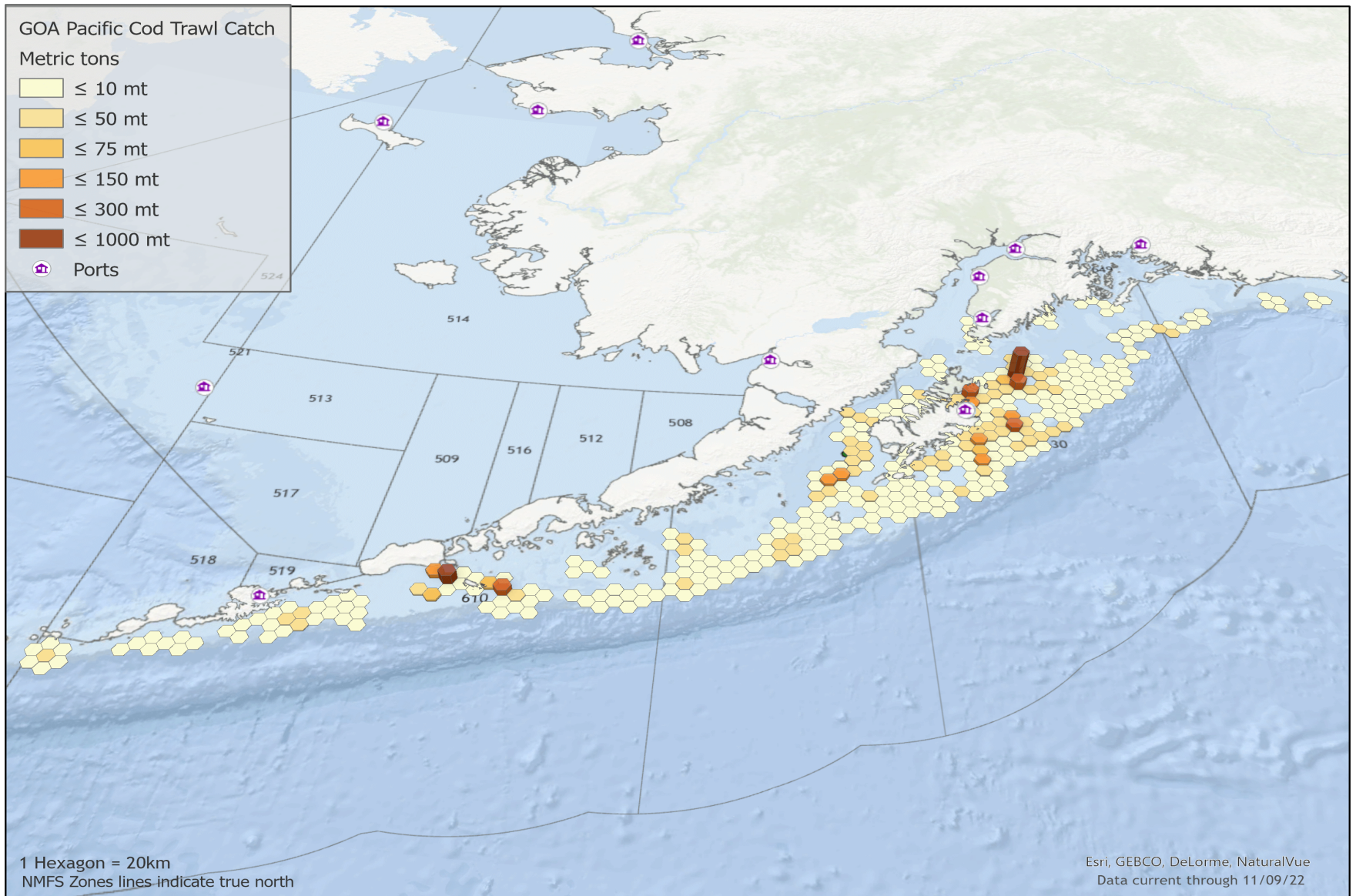


Counts of Vessels Targeting GOA Pollock

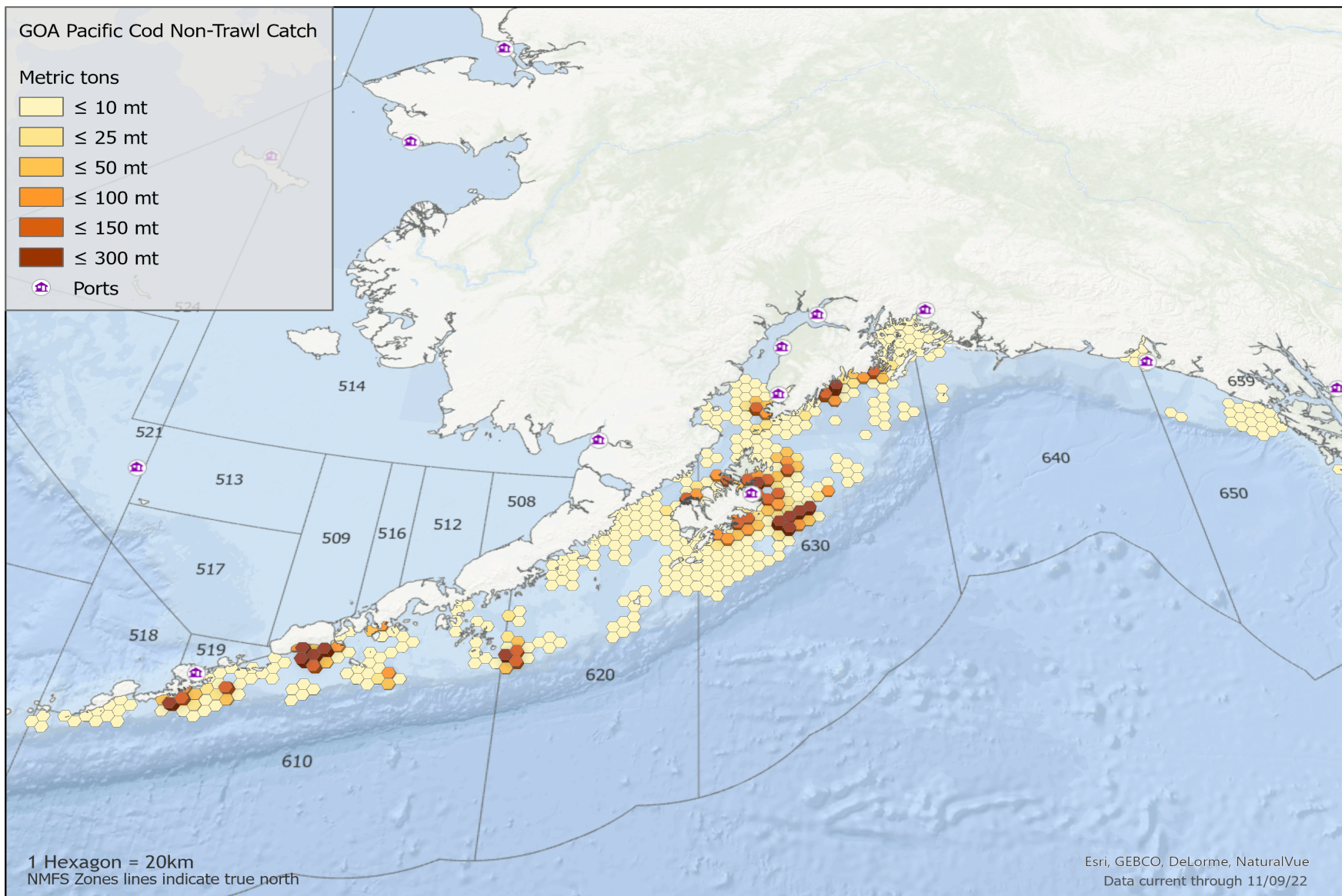
Area	Spring 2015	Fall 2015	Spring 2016	Fall 2016	Spring 2017	Fall 2017	Spring 2018	Fall 2018	Spring 2019	Fall 2019	Spring 2020	Fall 2020	Spring 2021	Fall 2021	Spring 2022	Fall 2022
610	12	19	20	27	12	29	14	29	12	26	5	28	0	24	0	24
620	49	37	39	34	42	35	51	37	48	39	43	41	38	36	39	31
630	47	40	33	40	37	32	24	40	31	36	36	33	34	31	37	26
All Areas	57	57	55	62	51	61	59	63	55	53	45	51	38	53	39	49



2022 Gulf of Alaska Pacific Cod Catch by Trawl Gear

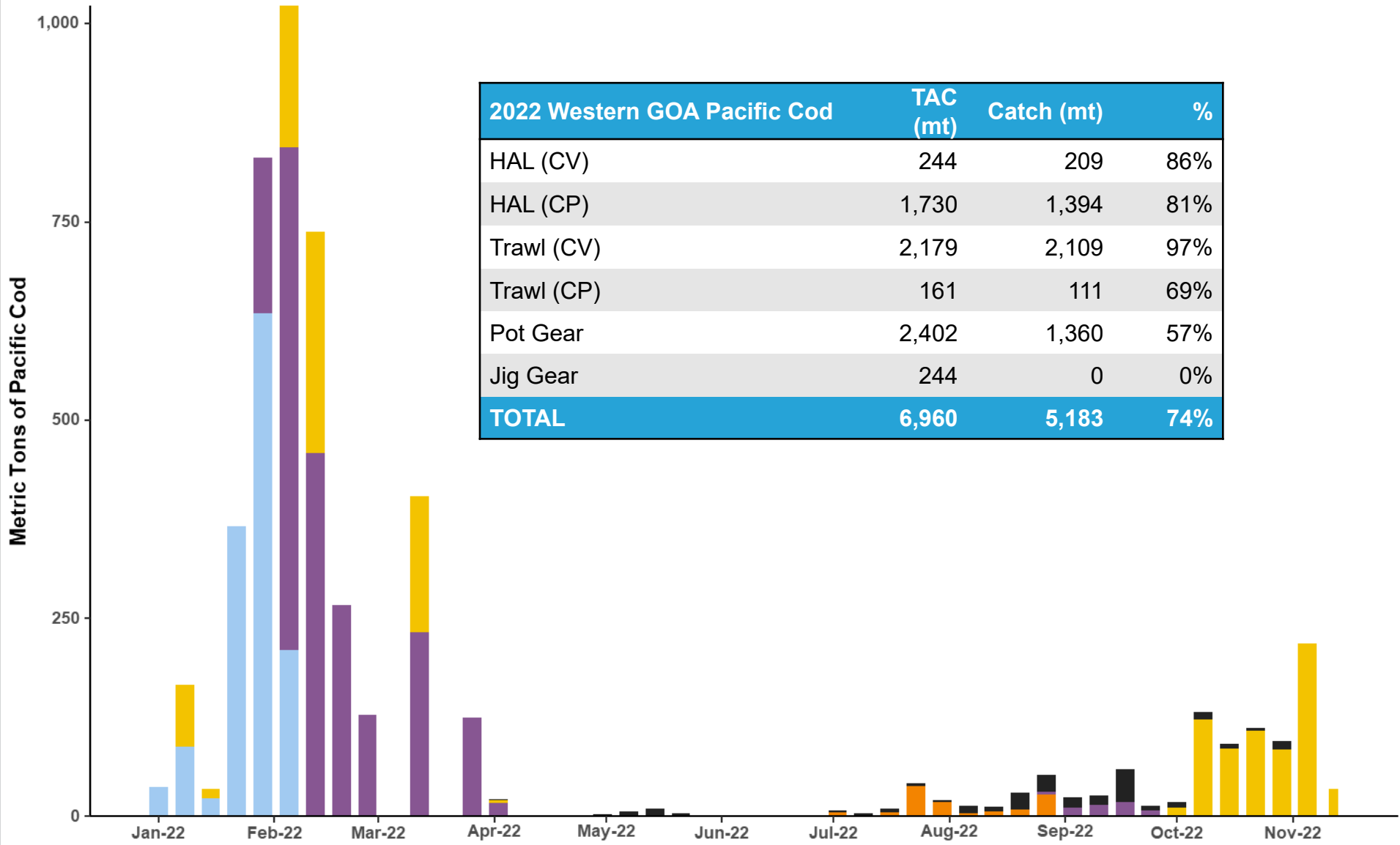


2022 Gulf of Alaska Pacific Cod Catch by Non-Trawl Gear



2022 Western GOA Pacific Cod Catch by Week and Sector

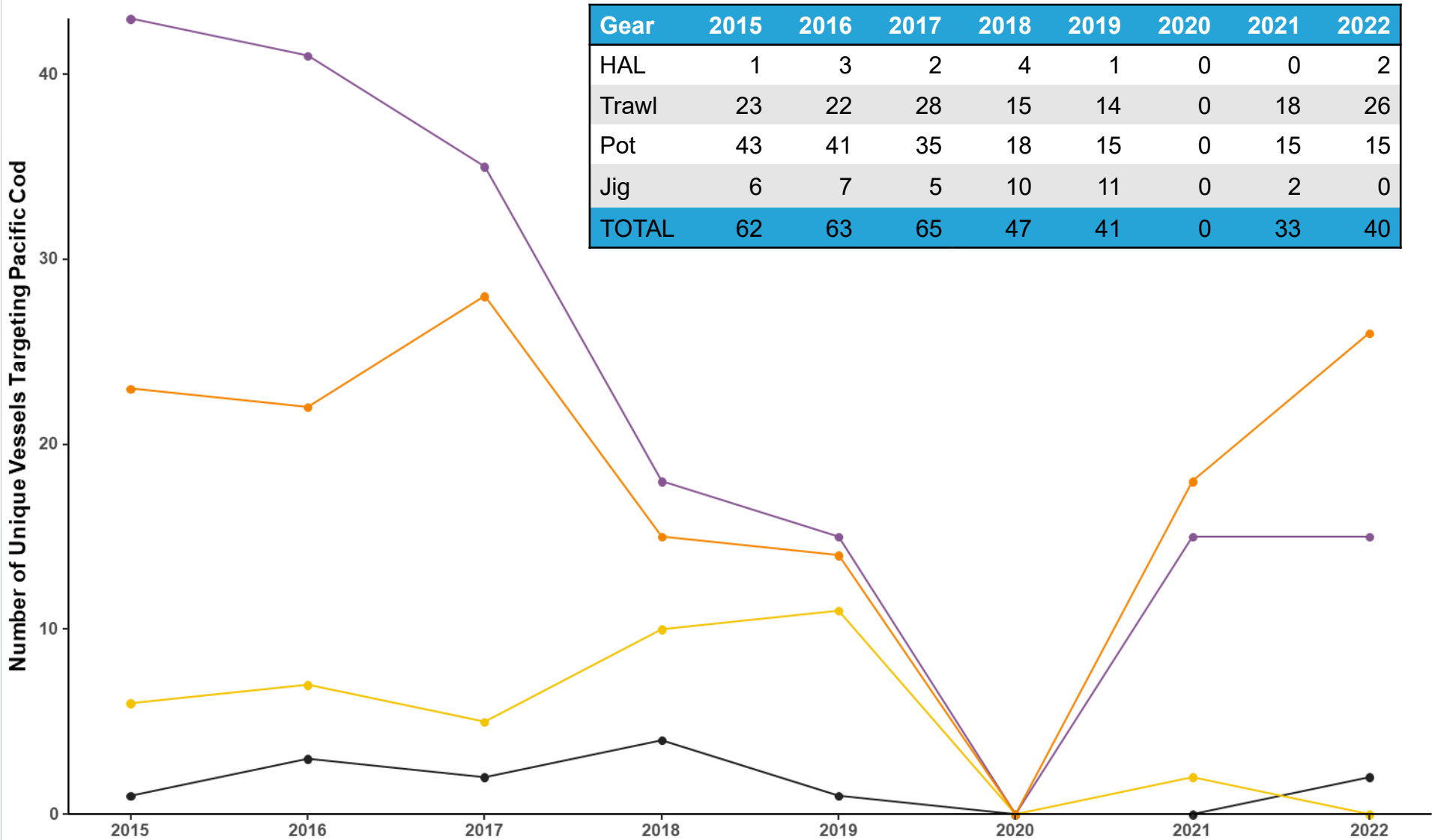
HAL (CV)
 HAL (CP)
 Trawl (CV)
 Trawl (CP)
 Pot Gear



2022 Western GOA Pacific Cod	TAC (mt)	Catch (mt)	%
HAL (CV)	244	209	86%
HAL (CP)	1,730	1,394	81%
Trawl (CV)	2,179	2,109	97%
Trawl (CP)	161	111	69%
Pot Gear	2,402	1,360	57%
Jig Gear	244	0	0%
TOTAL	6,960	5,183	74%

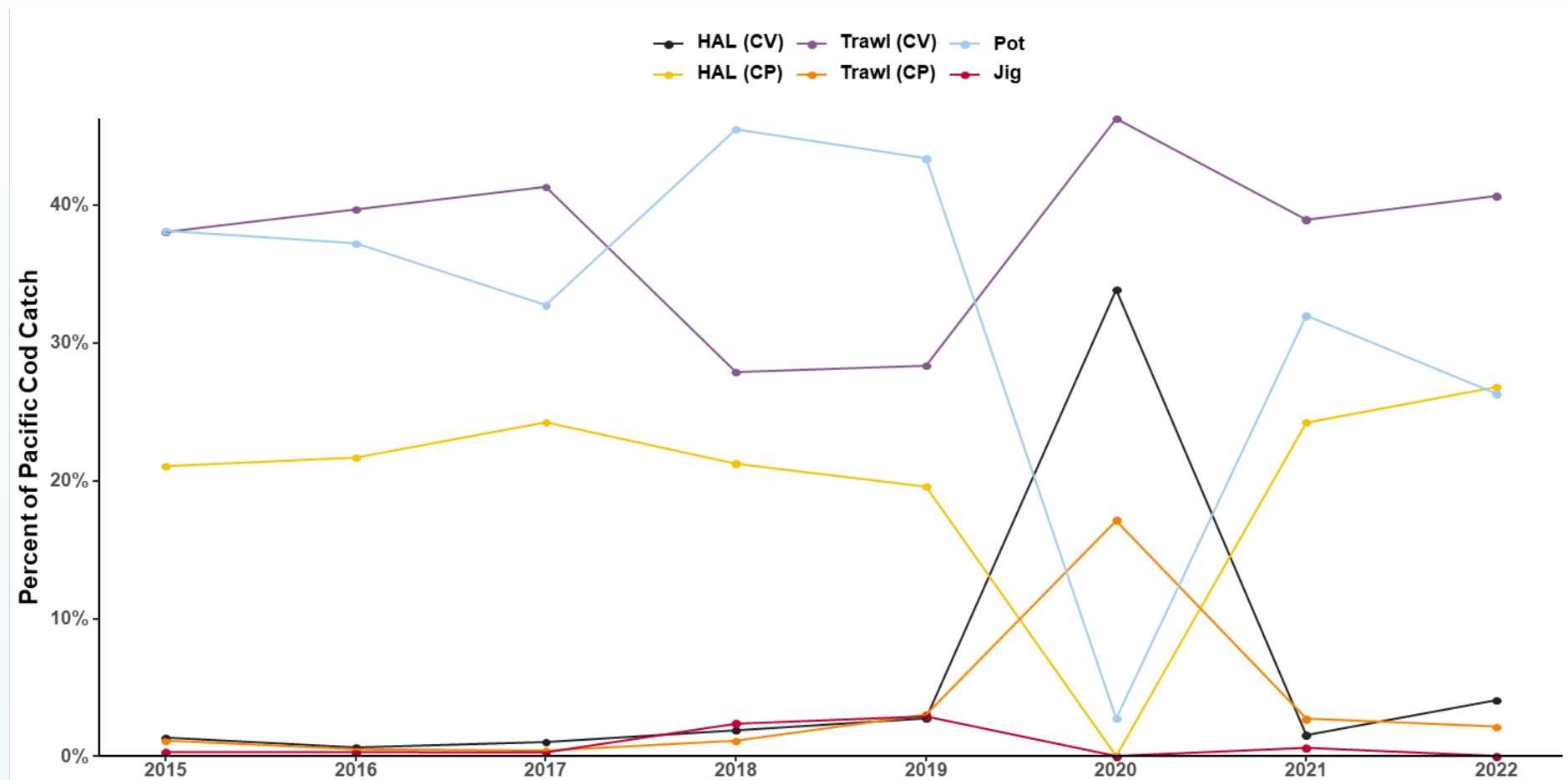
Counts of Catcher Vessels Targeting Western GOA Pacific Cod

Gear — HAL — JIG — POT — TRW



Western GOA Pacific Cod Catch by Sector

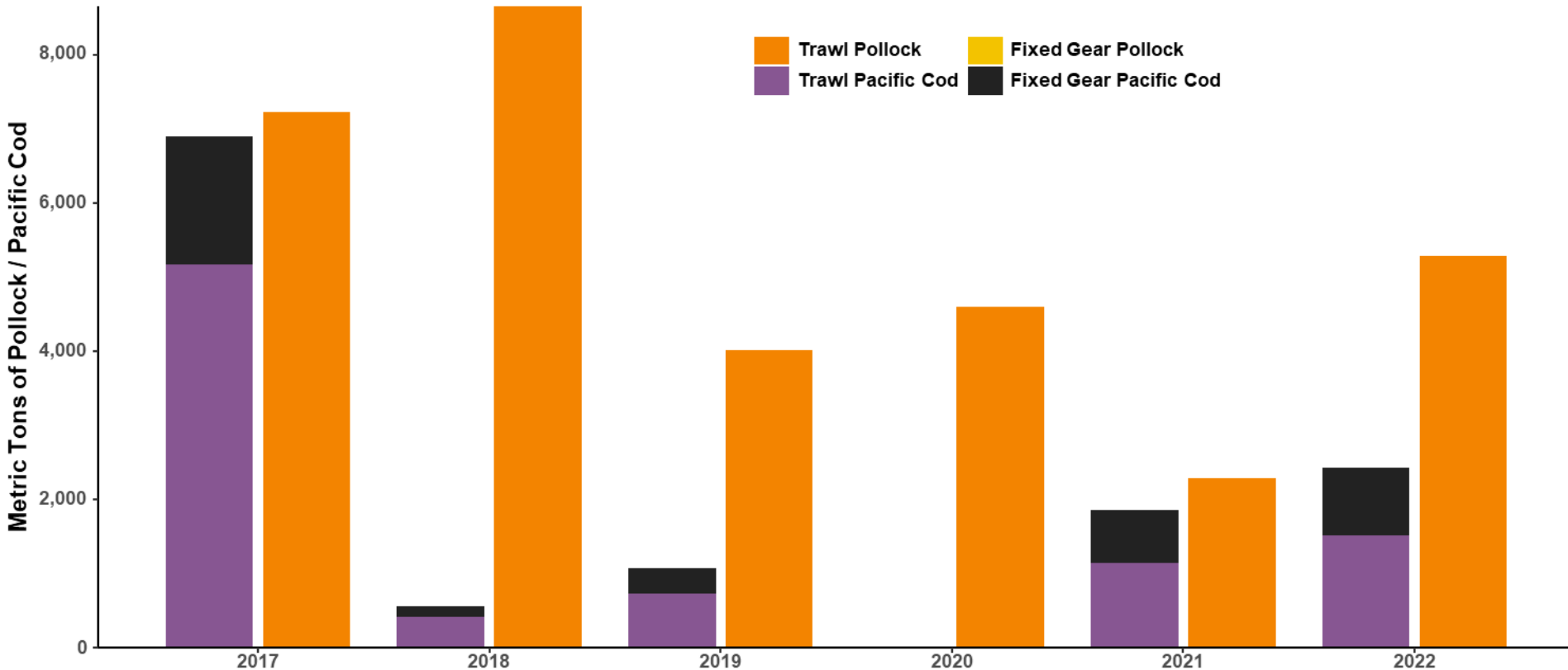
Sector	2015	2016	2017	2018	2019	2020	2021	2022
HAL (CV)	1%	1%	1%	2%	3%	34%	2%	4%
HAL (CP)	21%	22%	24%	21%	20%	0%	24%	27%
Trawl (CV)	38%	40%	41%	28%	28%	46%	39%	41%
Trawl (CP)	1%	0%	0%	1%	3%	17%	3%	2%
Pot	38%	37%	33%	45%	43%	3%	32%	26%
Jig	0%	0%	0%	2%	3%	0%	1%	0%



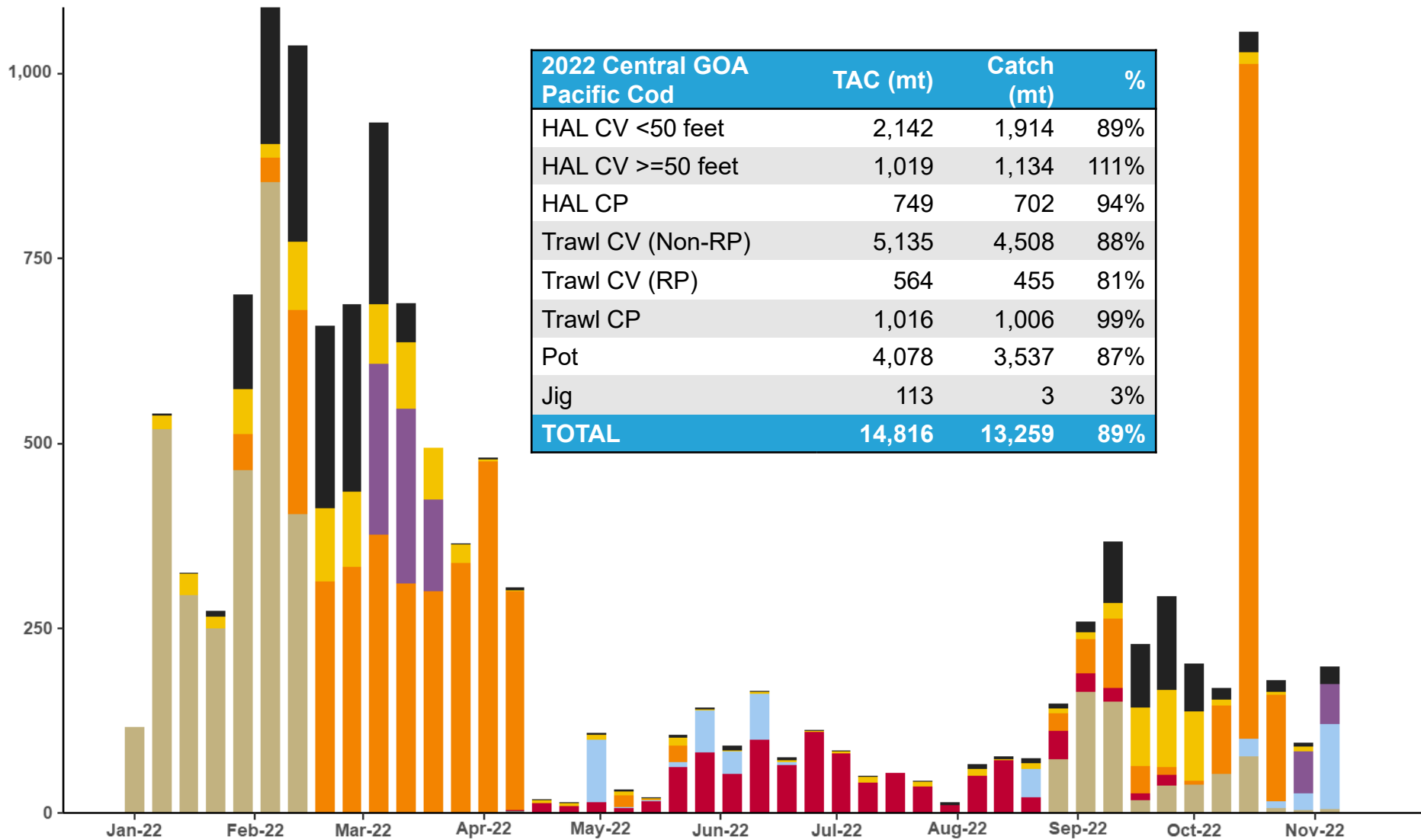
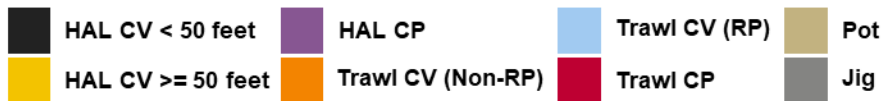
Western GOA Tender Vessels Report

Year	% of Pacific Cod Total Catch*	Count of Tenders (Pacific Cod)	% of Pollock Total Catch*	Count of Tenders (Pollock)
2017	38%	13	15%	12
2018	11%	13	28%	14
2019	21%	14	18%	16
2020	8%	14	24%	14
2021	43%	16	13%	9
2022	47%	19	22%	13

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



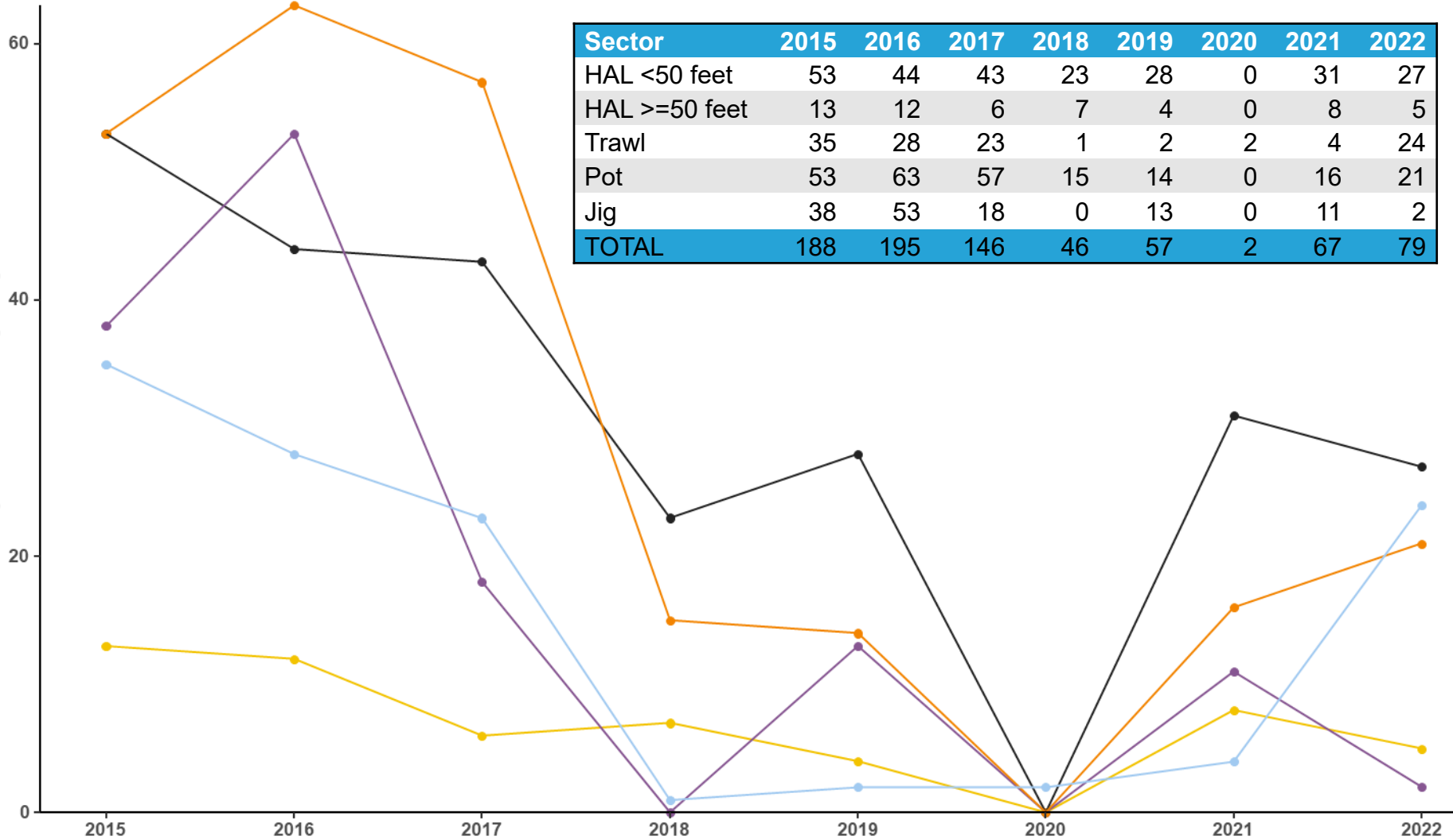
2022 Central GOA Pacific Cod Catch by Week and Sector



2022 Central GOA Pacific Cod	TAC (mt)	Catch (mt)	%
HAL CV <50 feet	2,142	1,914	89%
HAL CV >=50 feet	1,019	1,134	111%
HAL CP	749	702	94%
Trawl CV (Non-RP)	5,135	4,508	88%
Trawl CV (RP)	564	455	81%
Trawl CP	1,016	1,006	99%
Pot	4,078	3,537	87%
Jig	113	3	3%
TOTAL	14,816	13,259	89%

Counts of Catcher Vessels Targeting Central GOA Pacific Cod

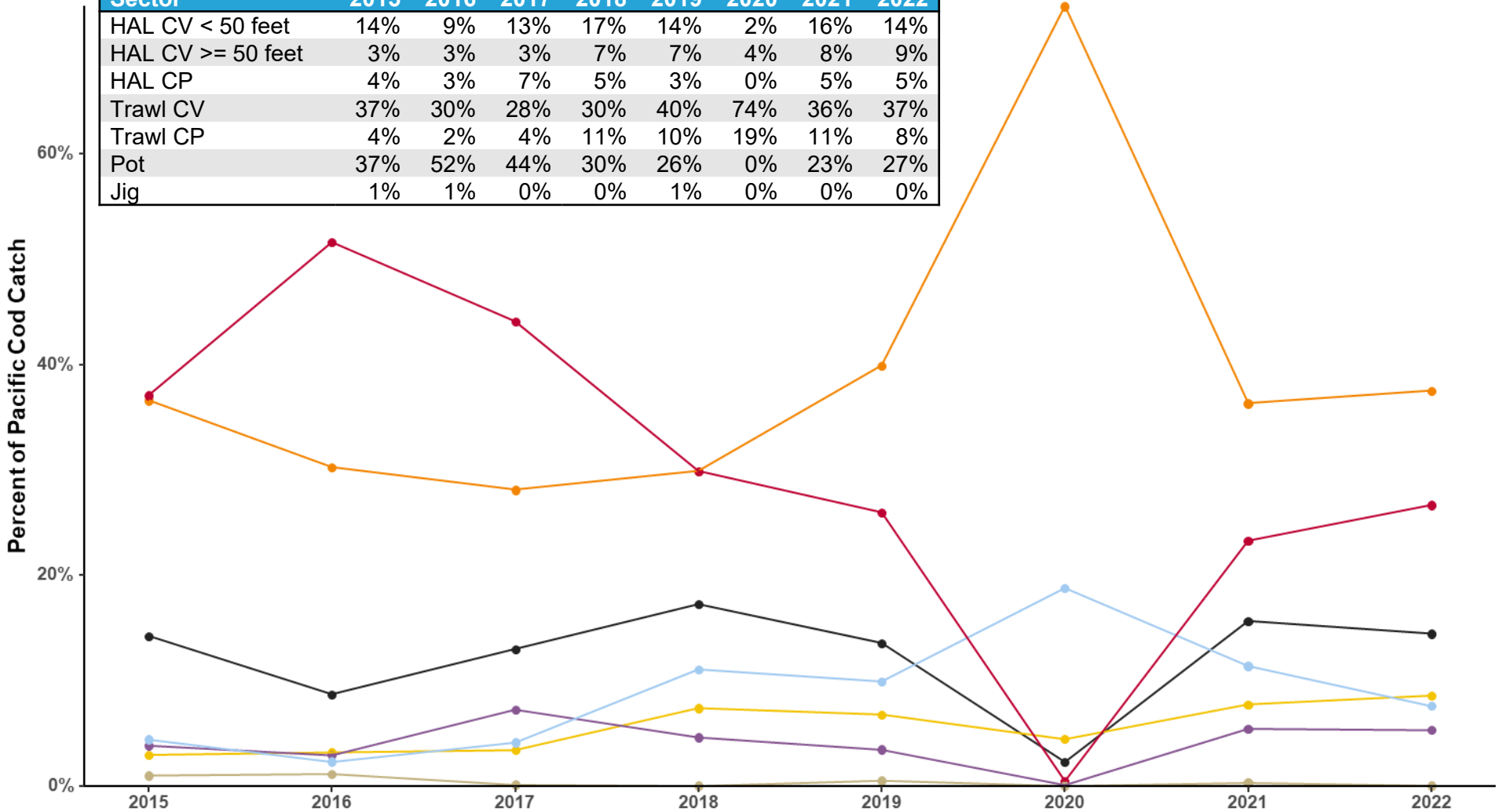
—● HAL < 50 —● HAL >= 50 —● JIG —● POT —● TRW



Central GOA Pacific Cod Catch by Sector

● HAL CV < 50 feet
 ● HAL CP
 ● Trawl CP
 ● Jig
● HAL CV >= 50 feet
 ● Trawl CV
 ● Pot

Sector	2015	2016	2017	2018	2019	2020	2021	2022
HAL CV < 50 feet	14%	9%	13%	17%	14%	2%	16%	14%
HAL CV >= 50 feet	3%	3%	3%	7%	7%	4%	8%	9%
HAL CP	4%	3%	7%	5%	3%	0%	5%	5%
Trawl CV	37%	30%	28%	30%	40%	74%	36%	37%
Trawl CP	4%	2%	4%	11%	10%	19%	11%	8%
Pot	37%	52%	44%	30%	26%	0%	23%	27%
Jig	1%	1%	0%	0%	1%	0%	0%	0%

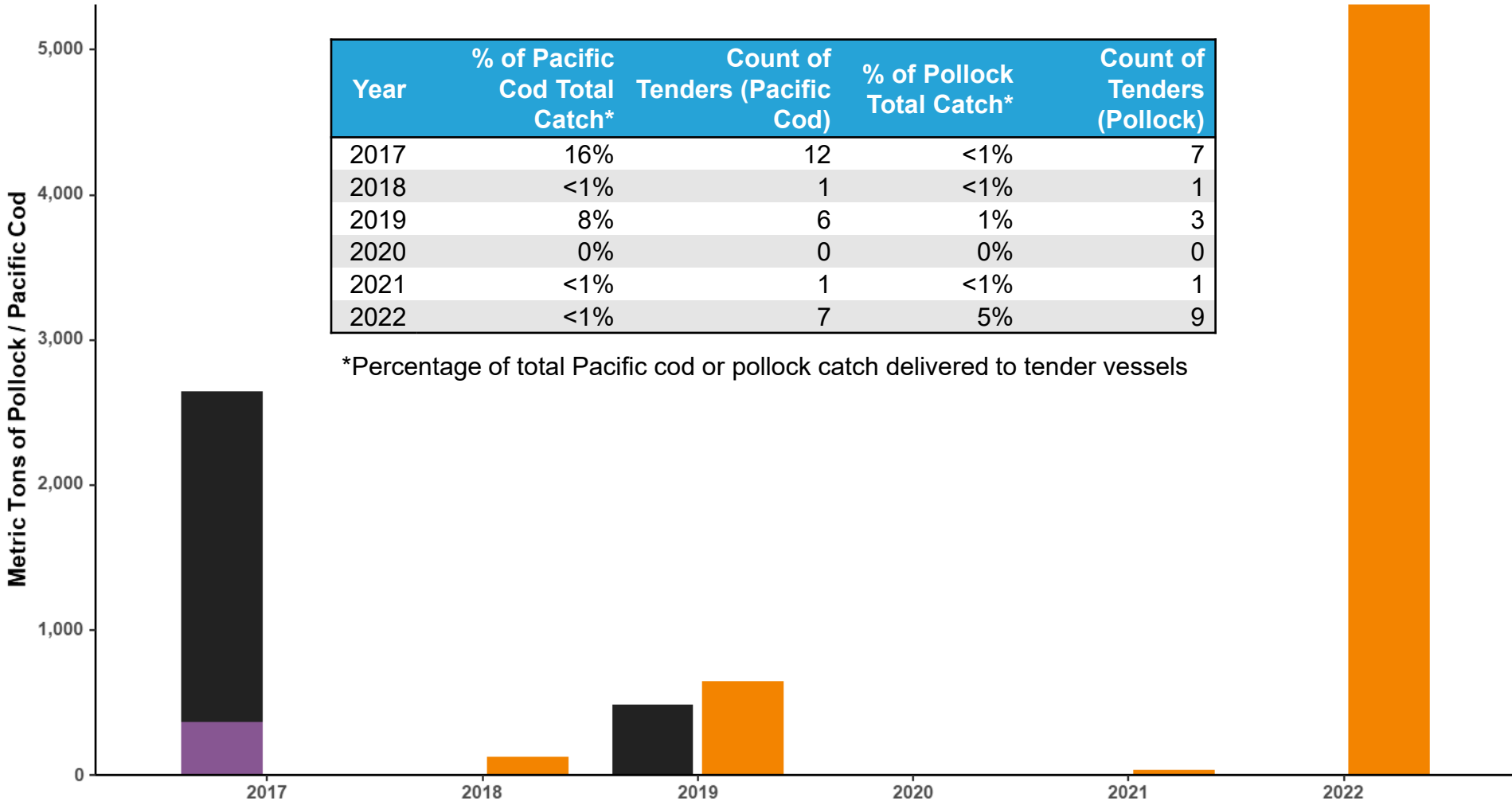


Central GOA Tender Vessels Report



Year	% of Pacific Cod Total Catch*	Count of Tenders (Pacific Cod)	% of Pollock Total Catch*	Count of Tenders (Pollock)
2017	16%	12	<1%	7
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

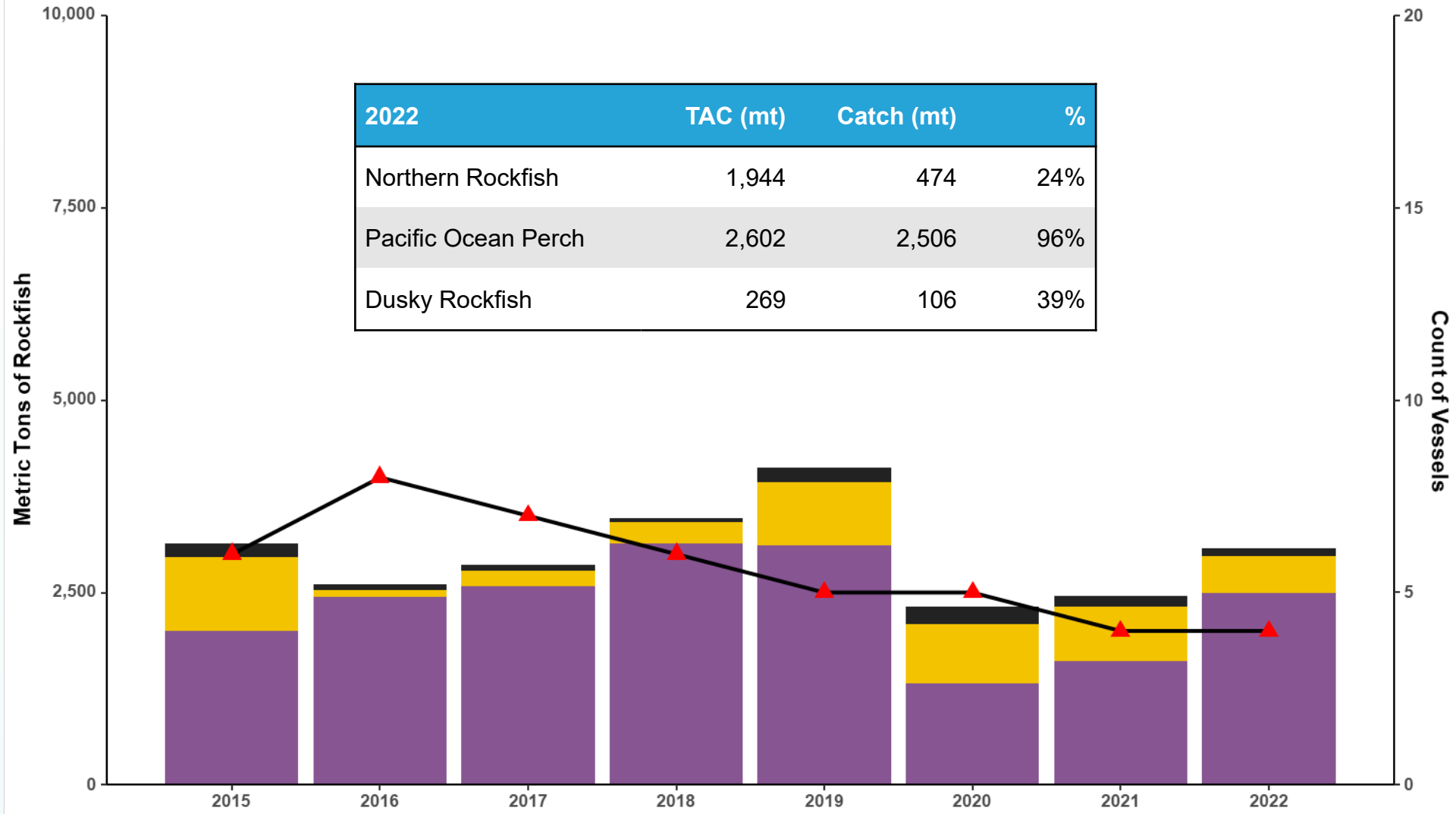
*Percentage of total Pacific cod or pollock catch delivered to tender vessels



Western GOA Trawl Rockfish Fishery

Dusky Rockfish
 Northern Rockfish
 Pacific Ocean Perch
 Count of Vessels

2022	TAC (mt)	Catch (mt)	%
Northern Rockfish	1,944	474	24%
Pacific Ocean Perch	2,602	2,506	96%
Dusky Rockfish	269	106	39%



2022 Central GOA Trawl Rockfish Program Fishery by Month

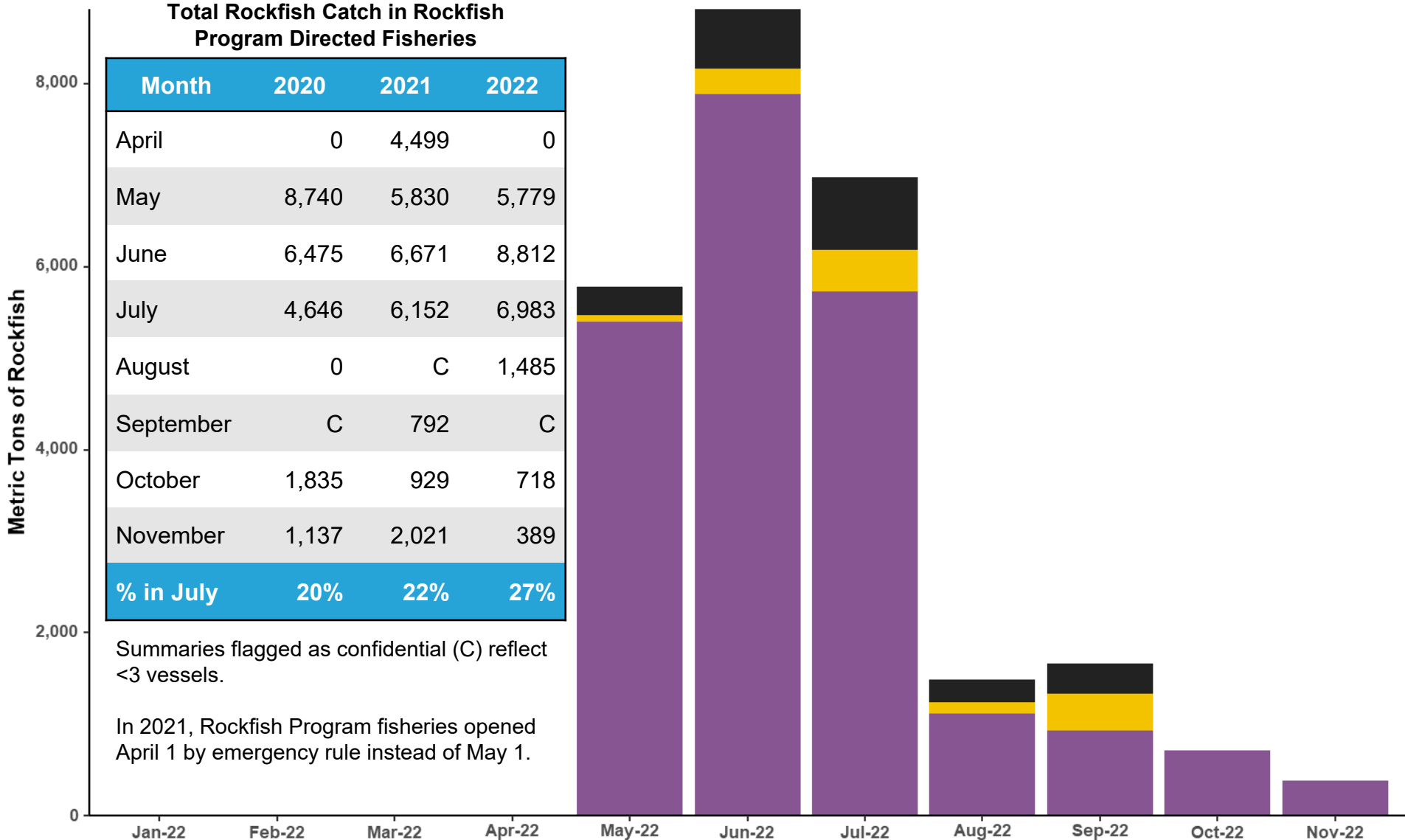
Species Dusky Rockfish Northern Rockfish Pacific Ocean Perch

Total Rockfish Catch in Rockfish Program Directed Fisheries

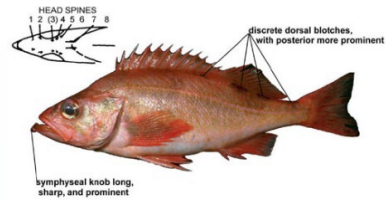
Month	2020	2021	2022
April	0	4,499	0
May	8,740	5,830	5,779
June	6,475	6,671	8,812
July	4,646	6,152	6,983
August	0	C	1,485
September	C	792	C
October	1,835	929	718
November	1,137	2,021	389
% in July	20%	22%	27%

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

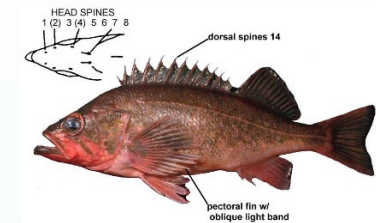
In 2021, Rockfish Program fisheries opened April 1 by emergency rule instead of May 1.



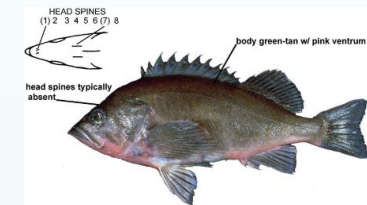
2022 Rockfish Program Allocations and Catch



Pacific Ocean Perch



Northern Rockfish

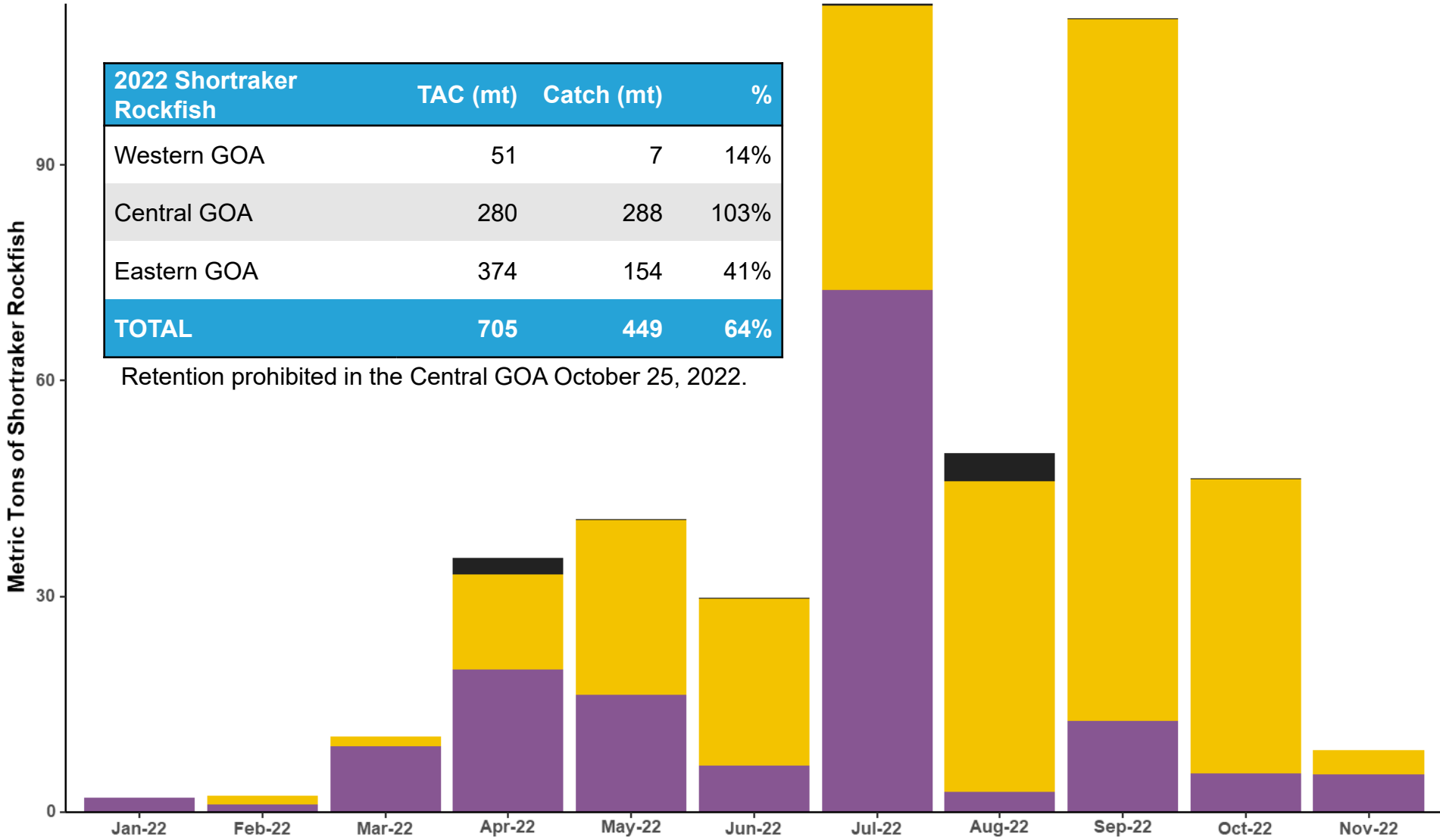


Dusky Rockfish

Allocations	Species	Limit (mt)	Catch (mt)	%
Entry Level Longline Fishery	Pacific Ocean Perch	5	0	0%
	Northern Rockfish	5	0	0%
	Dusky Rockfish	50	2	4%
Cooperatives	Pacific Ocean Perch	28,966	22,380	77%
	Northern Rockfish	2,897	1,373	47%
	Dusky Rockfish	4,234	2,379	56%
	Pacific Cod	564	455	81%
	Sablefish	1,049	913	87%
	Thornyhead	312	112	36%
	Shortraker	112	Confidential	Confidential
	Rougeye	138	Confidential	Confidential
	Pacific Halibut PSC	191	62	33%
Primary Species Central GOA Incidental Catch	Pacific Ocean Perch	2,500	2,805	112%
	Northern Rockfish	300	32	11%
	Dusky Rockfish	250	76	30%

2022 GOA Shortraker Rockfish Catch

Area Western GOA Central GOA Eastern GOA



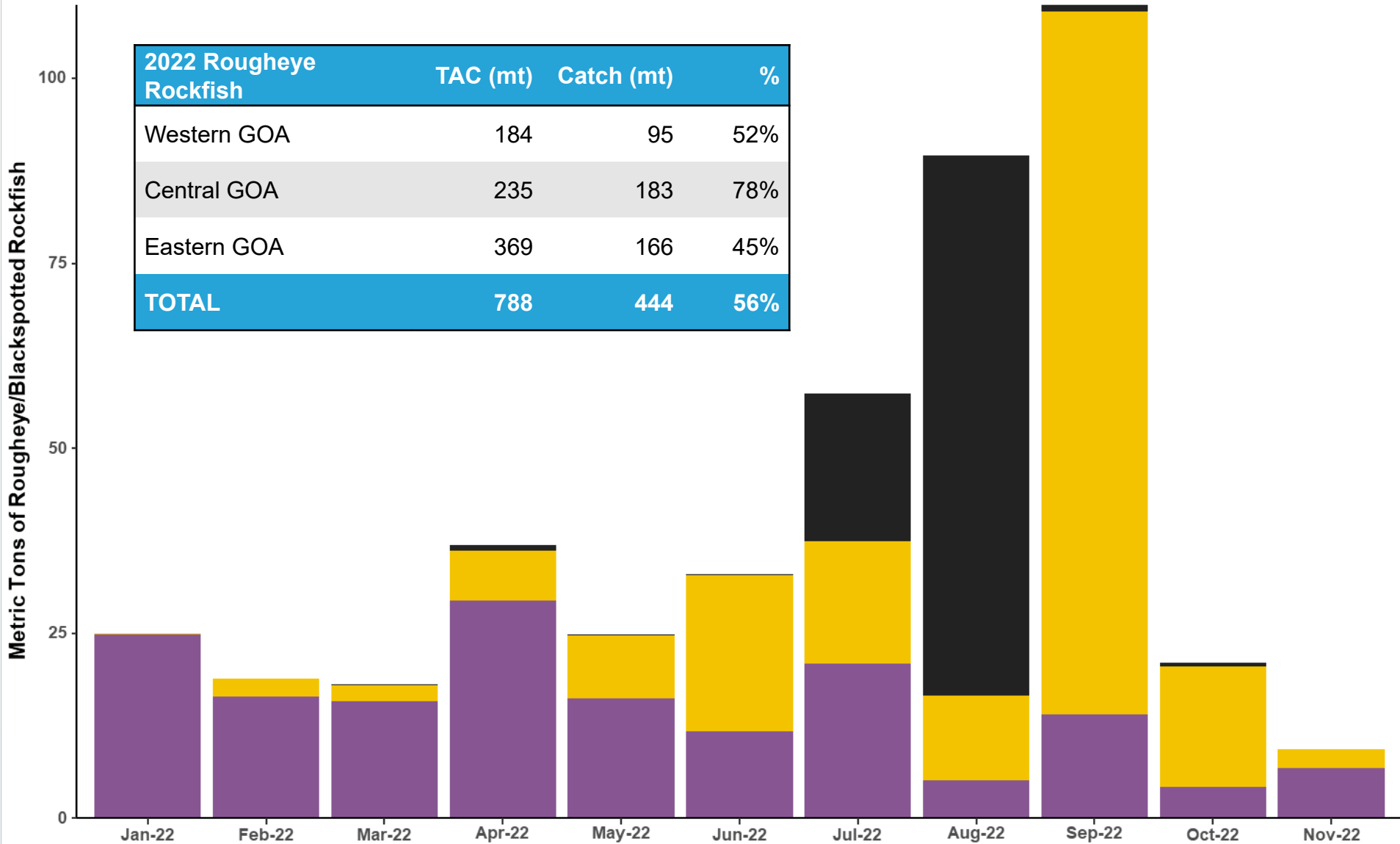
2022 Shortraker Rockfish	TAC (mt)	Catch (mt)	%
Western GOA	51	7	14%
Central GOA	280	288	103%
Eastern GOA	374	154	41%
TOTAL	705	449	64%

Retention prohibited in the Central GOA October 25, 2022.

2022 GOA Rougheye/Blackspotted Rockfish Catch

Area Western GOA Central GOA Eastern GOA

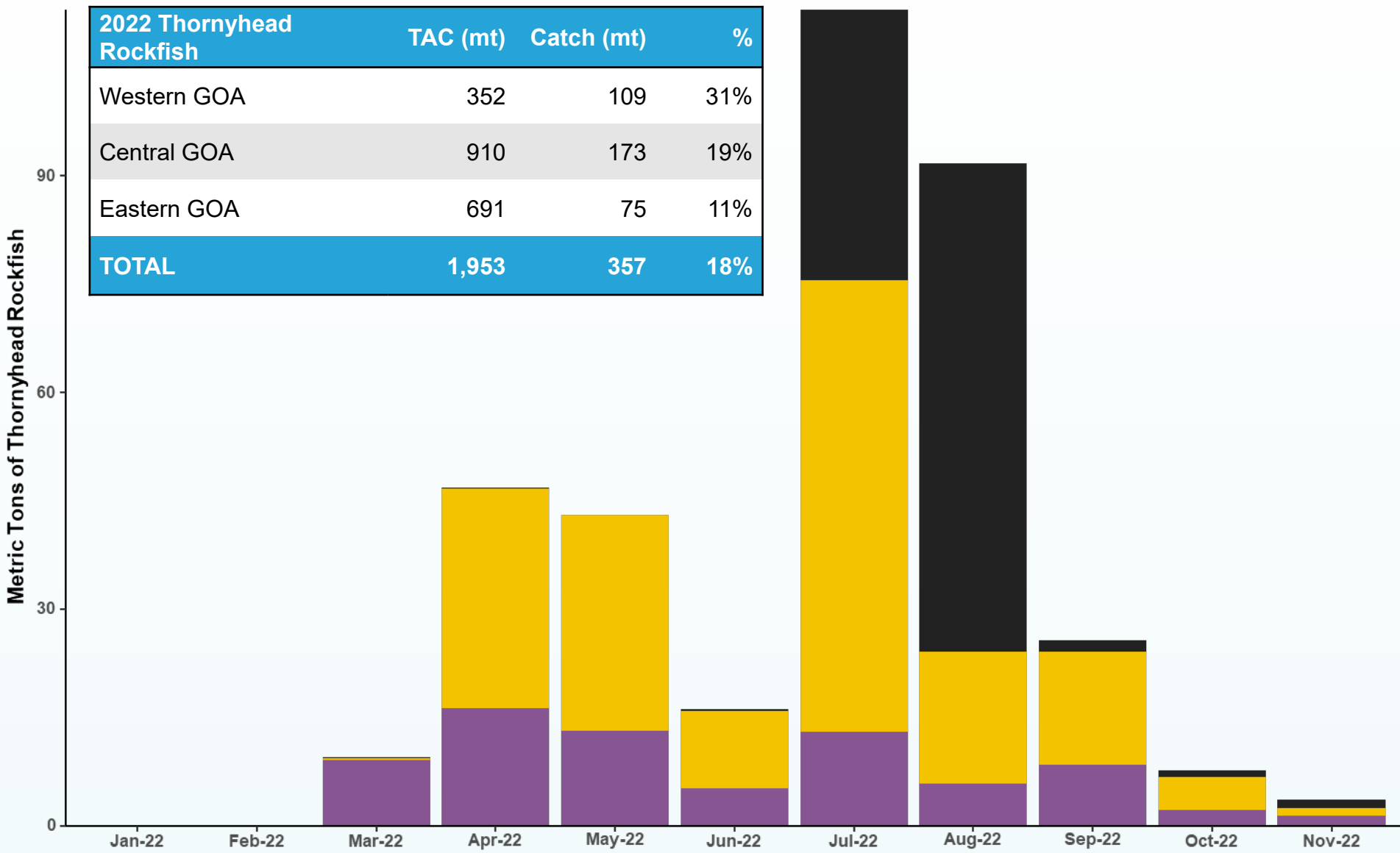
2022 Rougheye Rockfish	TAC (mt)	Catch (mt)	%
Western GOA	184	95	52%
Central GOA	235	183	78%
Eastern GOA	369	166	45%
TOTAL	788	444	56%



2022 GOA Thornyhead Rockfish Catch



2022 Thornyhead Rockfish	TAC (mt)	Catch (mt)	%
Western GOA	352	109	31%
Central GOA	910	173	19%
Eastern GOA	691	75	11%
TOTAL	1,953	357	18%



2022 GOA Other Rockfish Catch

Area Central/Western GOA West Yakutat Southeast Outside

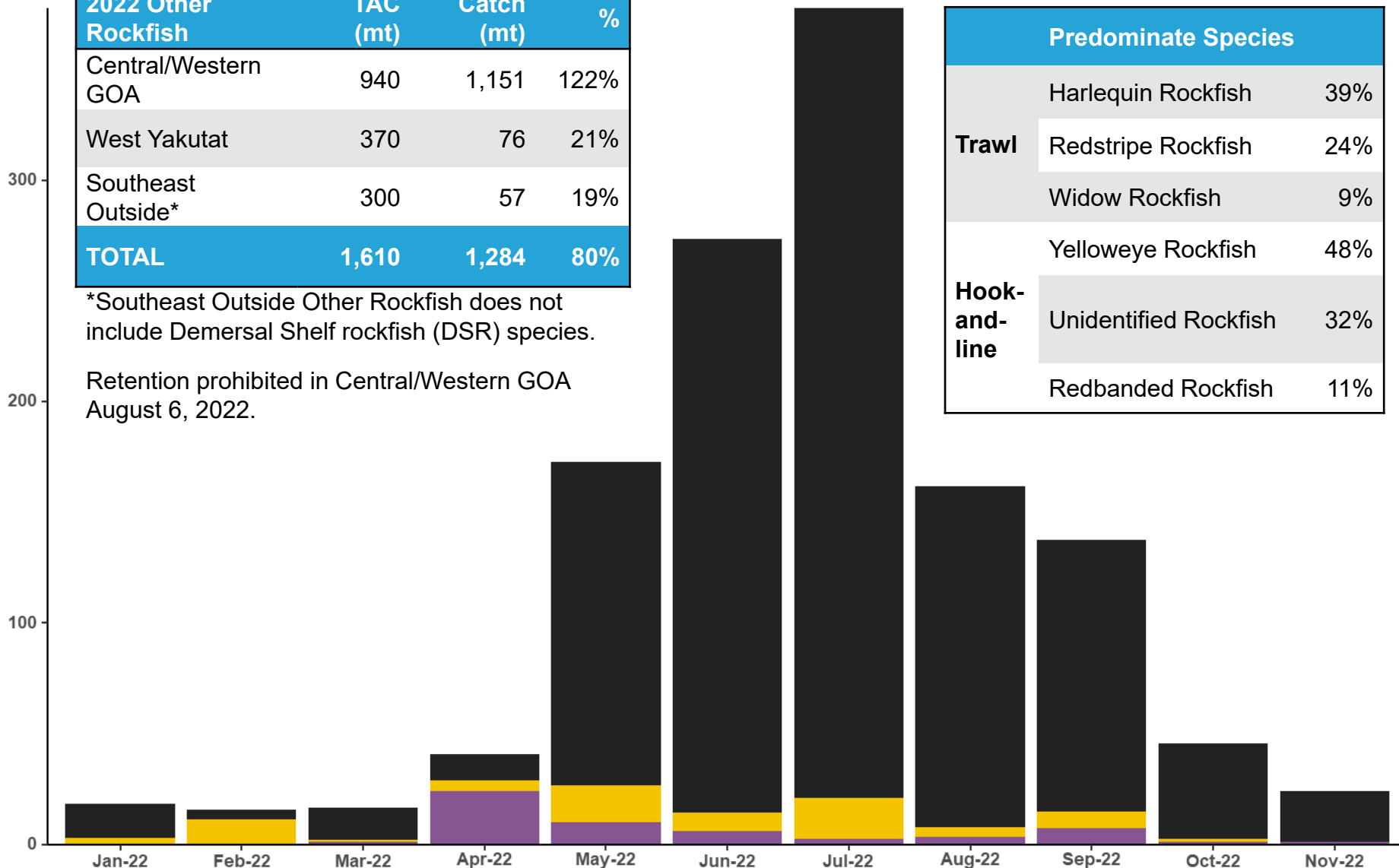
2022 Other Rockfish	TAC (mt)	Catch (mt)	%
Central/Western GOA	940	1,151	122%
West Yakutat	370	76	21%
Southeast Outside*	300	57	19%
TOTAL	1,610	1,284	80%

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

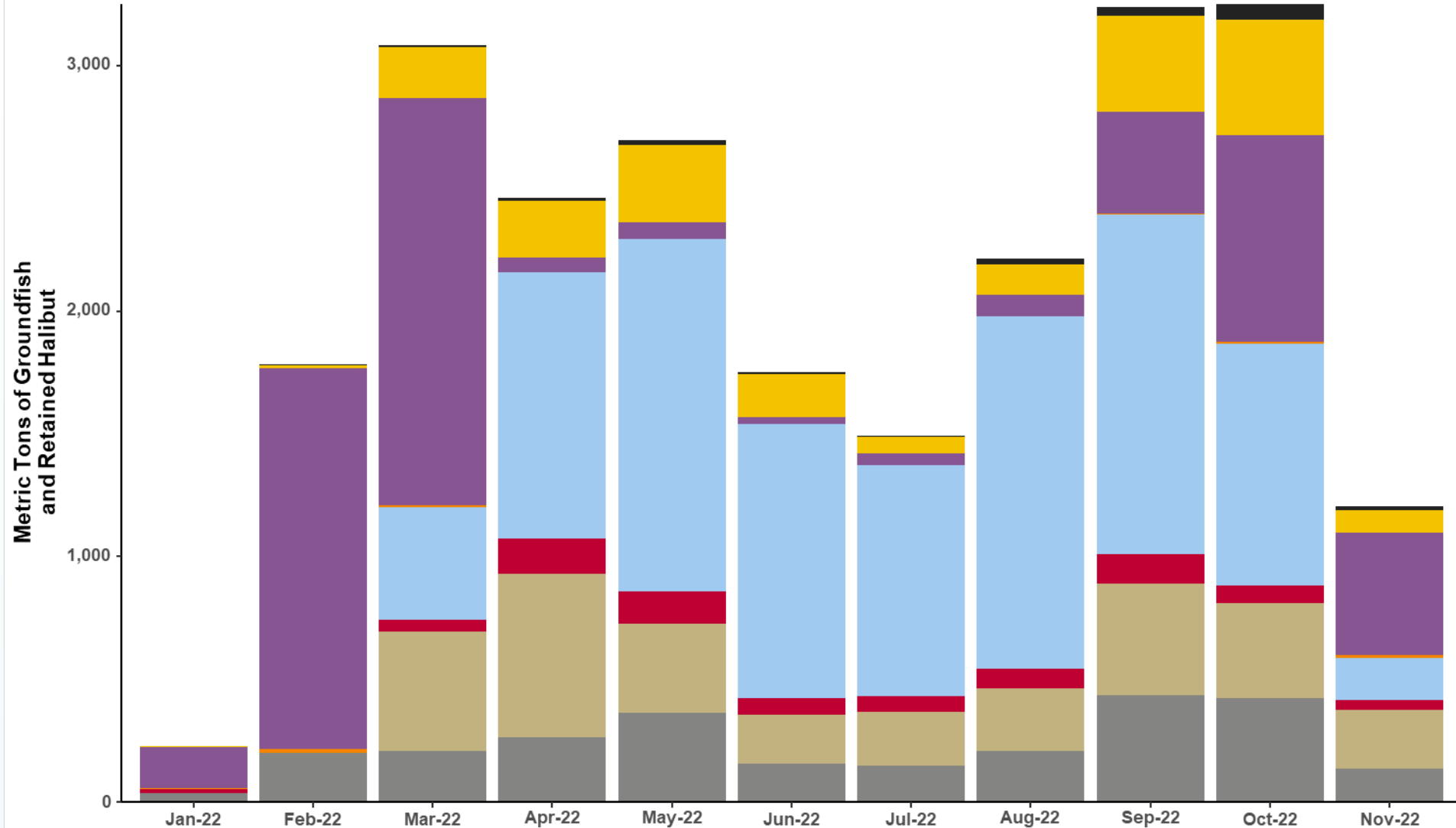
Retention prohibited in Central/Western GOA August 6, 2022.

Predominate Species		
Trawl	Harlequin Rockfish	39%
	Redstripe Rockfish	24%
	Widow Rockfish	9%
Hook-and-line	Yelloweye Rockfish	48%
	Unidentified Rockfish	32%
	Redbanded Rockfish	11%

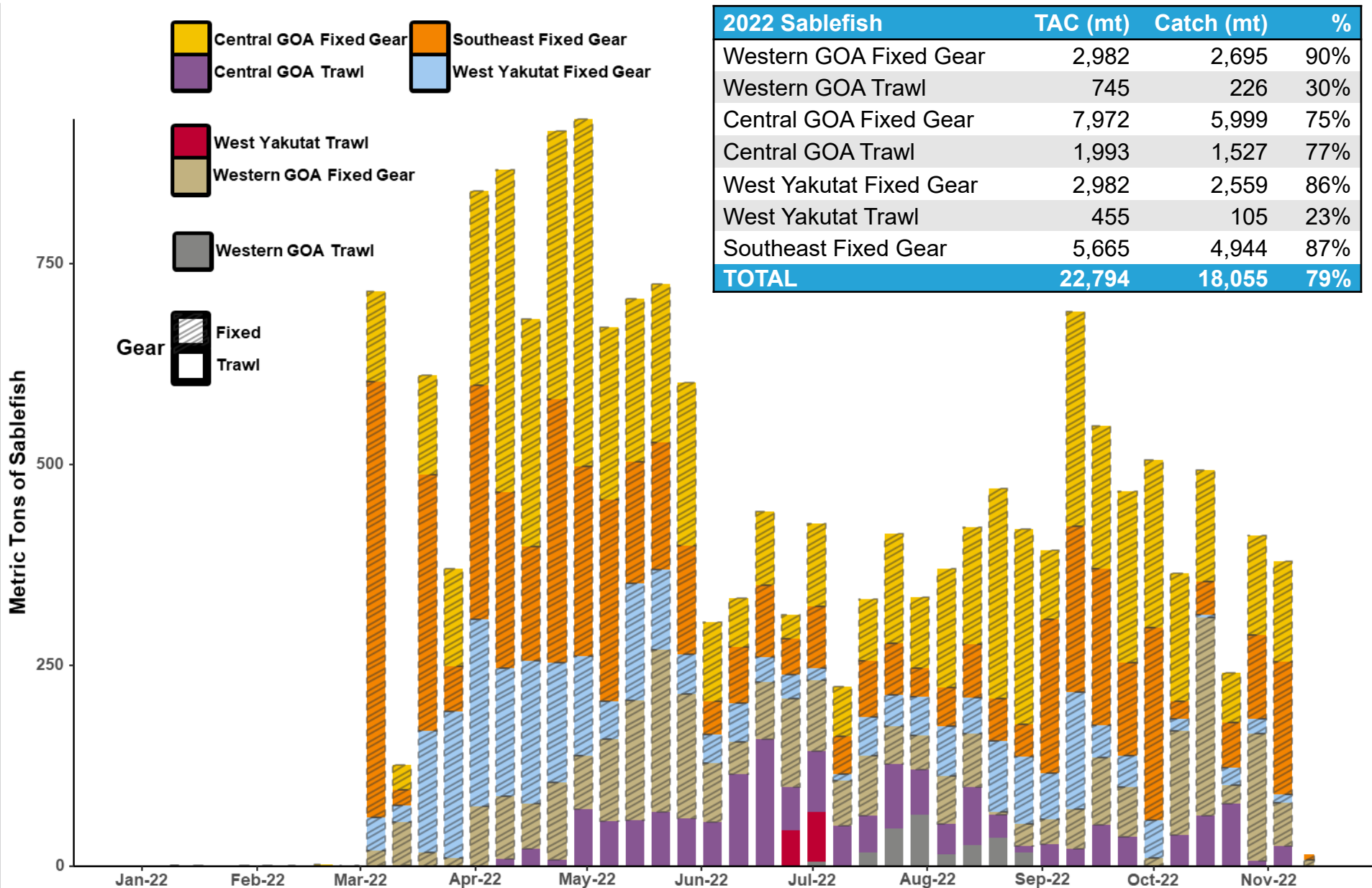
Metric Tons of Other Rockfish



2022 GOA Hook-and-Line Catch

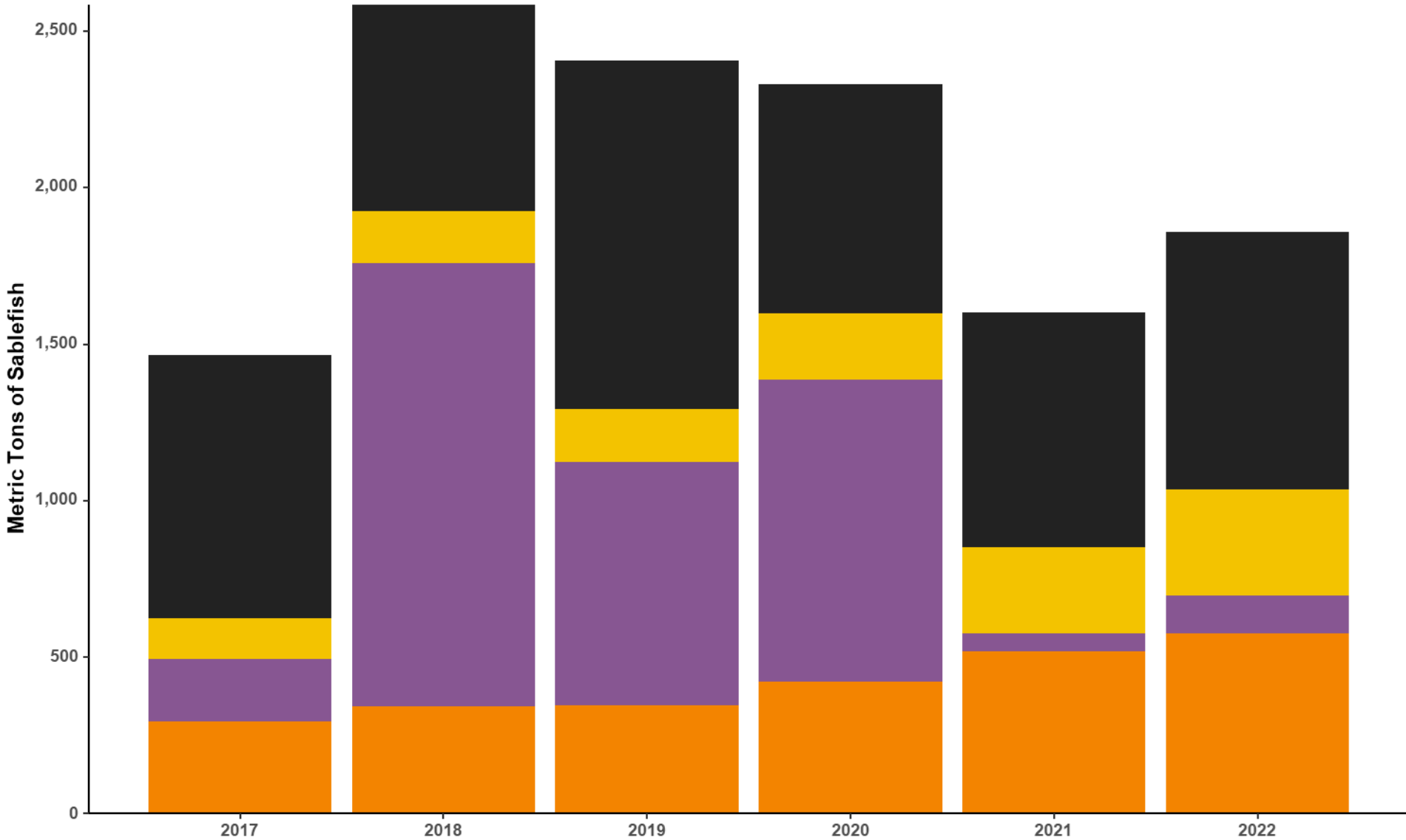


2022 GOA Sablefish Catch



Sablefish Catch by Trawl Vessels

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



2022 Sablefish by Fixed Gear

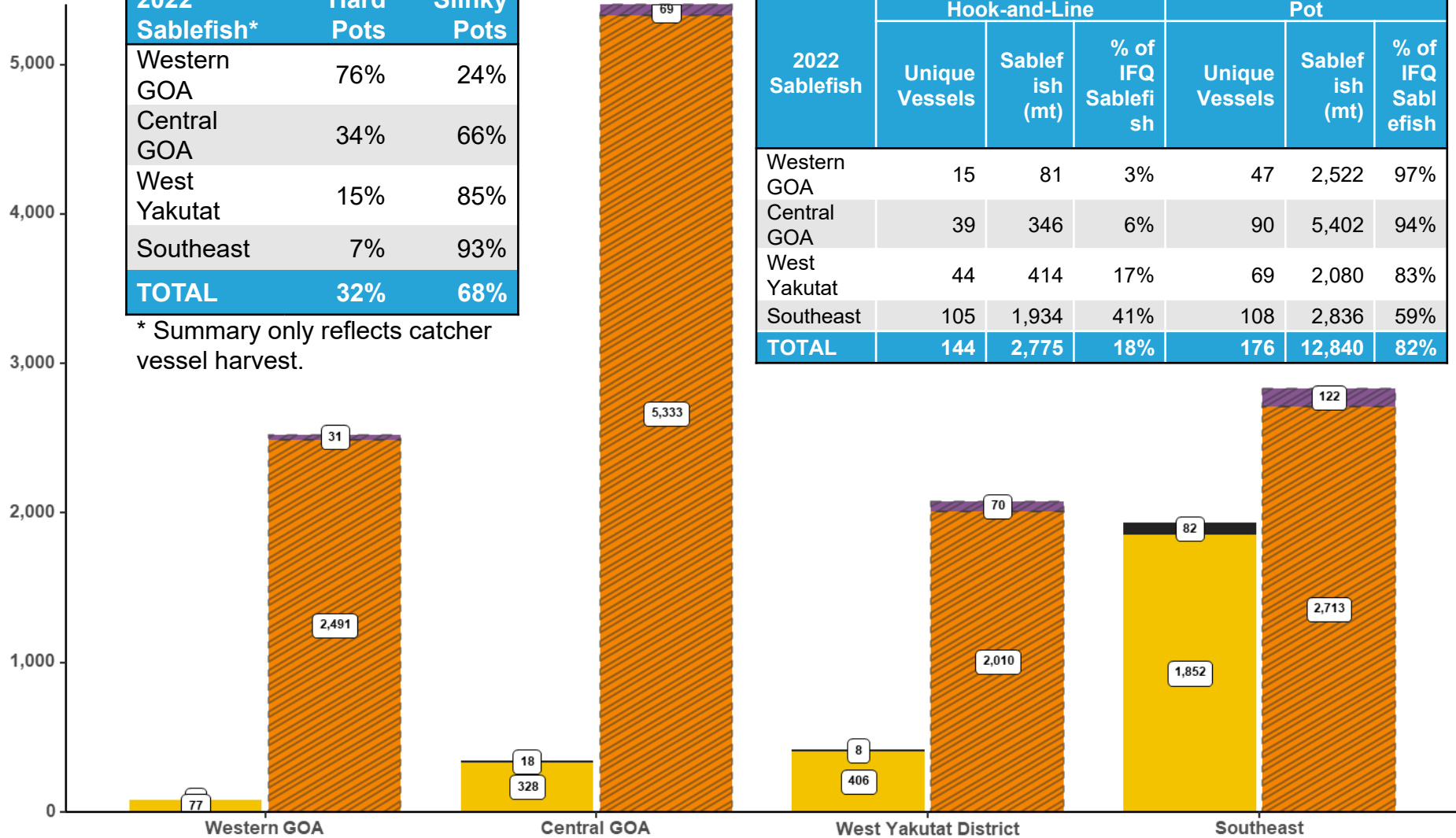


2022 Sablefish*	Hard Pots	Slinky Pots
Western GOA	76%	24%
Central GOA	34%	66%
West Yakutat	15%	85%
Southeast	7%	93%
TOTAL	32%	68%

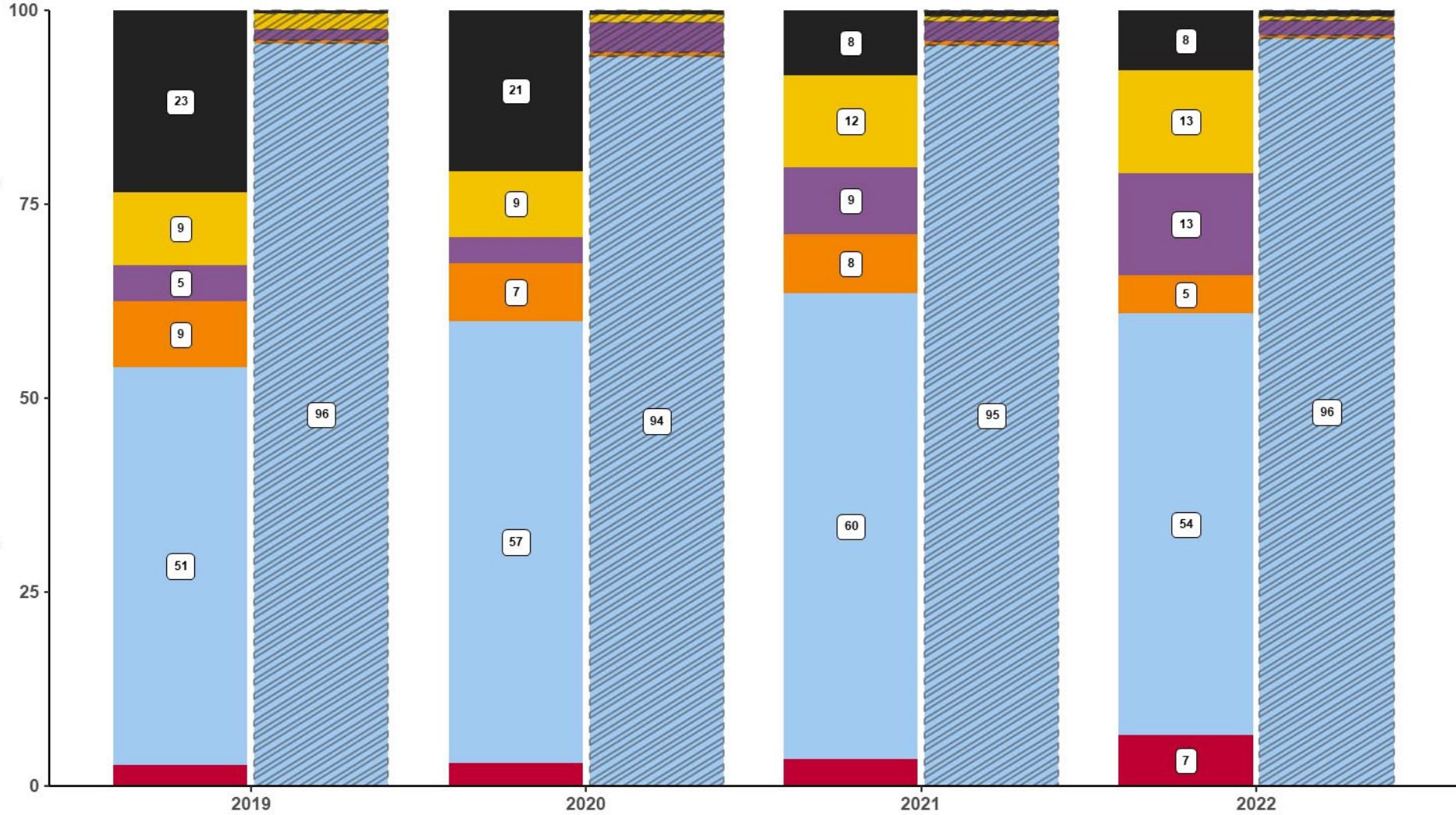
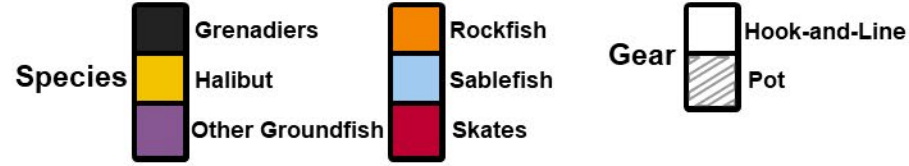
* Summary only reflects catcher vessel harvest.

2022 Sablefish	Hook-and-Line			Pot		
	Unique Vessels	Sablefish (mt)	% of IFQ Sablefish	Unique Vessels	Sablefish (mt)	% of IFQ Sablefish
Western GOA	15	81	3%	47	2,522	97%
Central GOA	39	346	6%	90	5,402	94%
West Yakutat	44	414	17%	69	2,080	83%
Southeast	105	1,934	41%	108	2,836	59%
TOTAL	144	2,775	18%	176	12,840	82%

Metric Tons of Sablefish



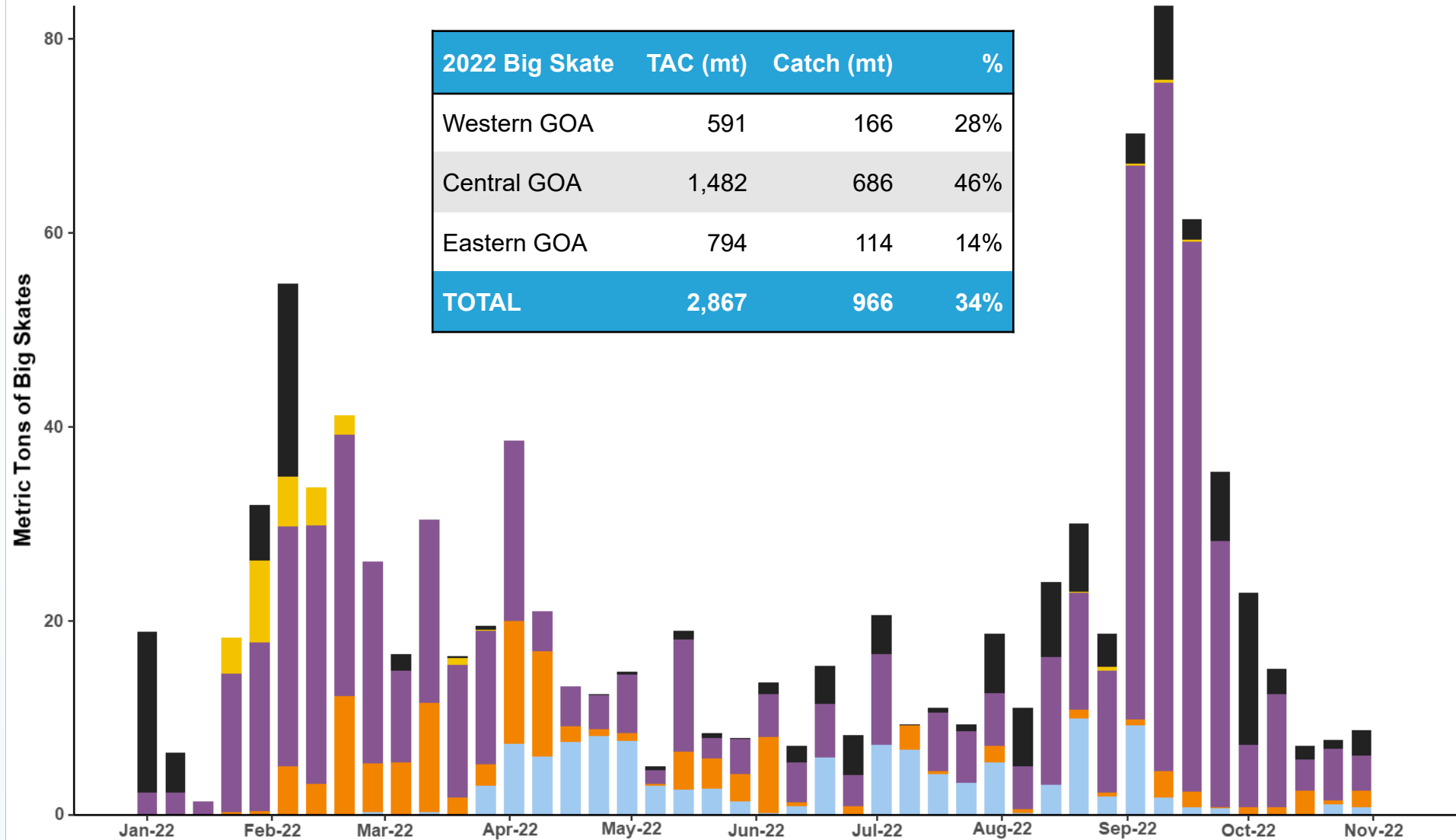
2022 Sablefish and Incidental Catch in Fixed Gear Sablefish Targets



2022 GOA Big Skate



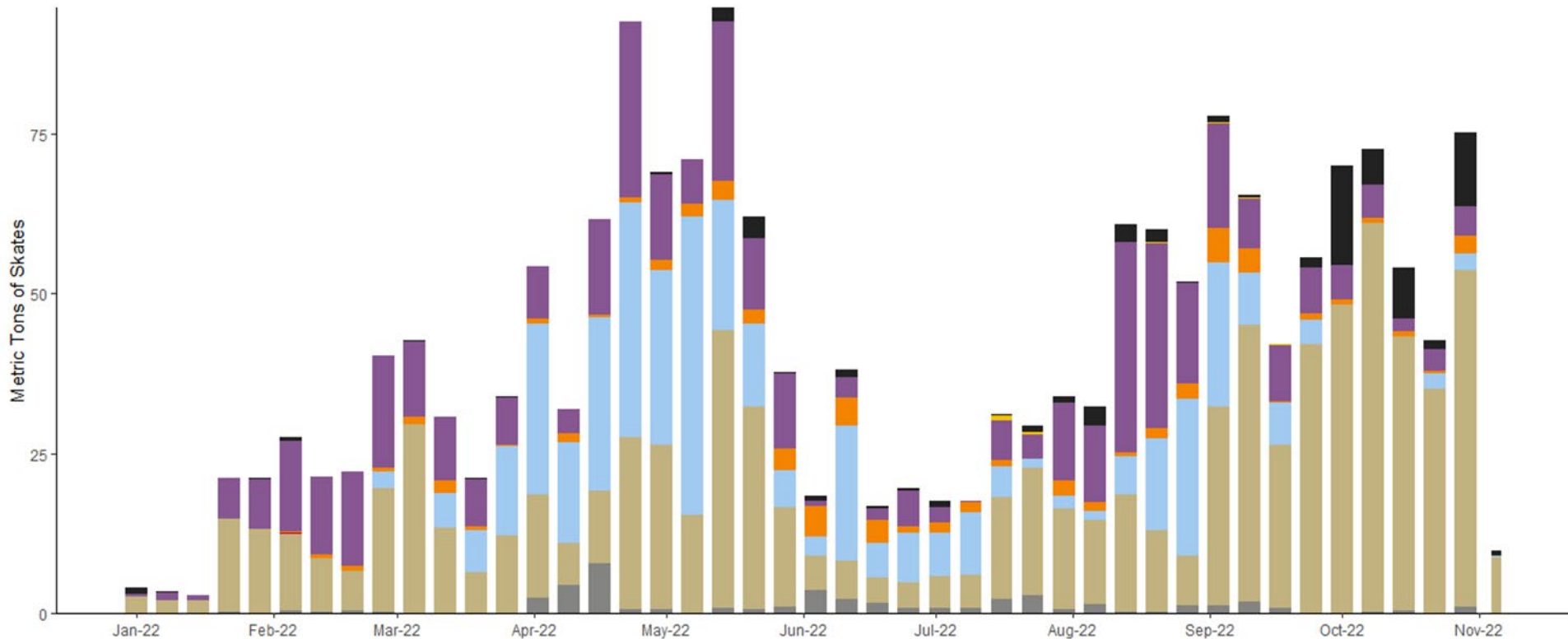
2022 Big Skate	TAC (mt)	Catch (mt)	%
Western GOA	591	166	28%
Central GOA	1,482	686	46%
Eastern GOA	794	114	14%
TOTAL	2,867	966	34%



2022 GOA Longnose Skate and Other Skates

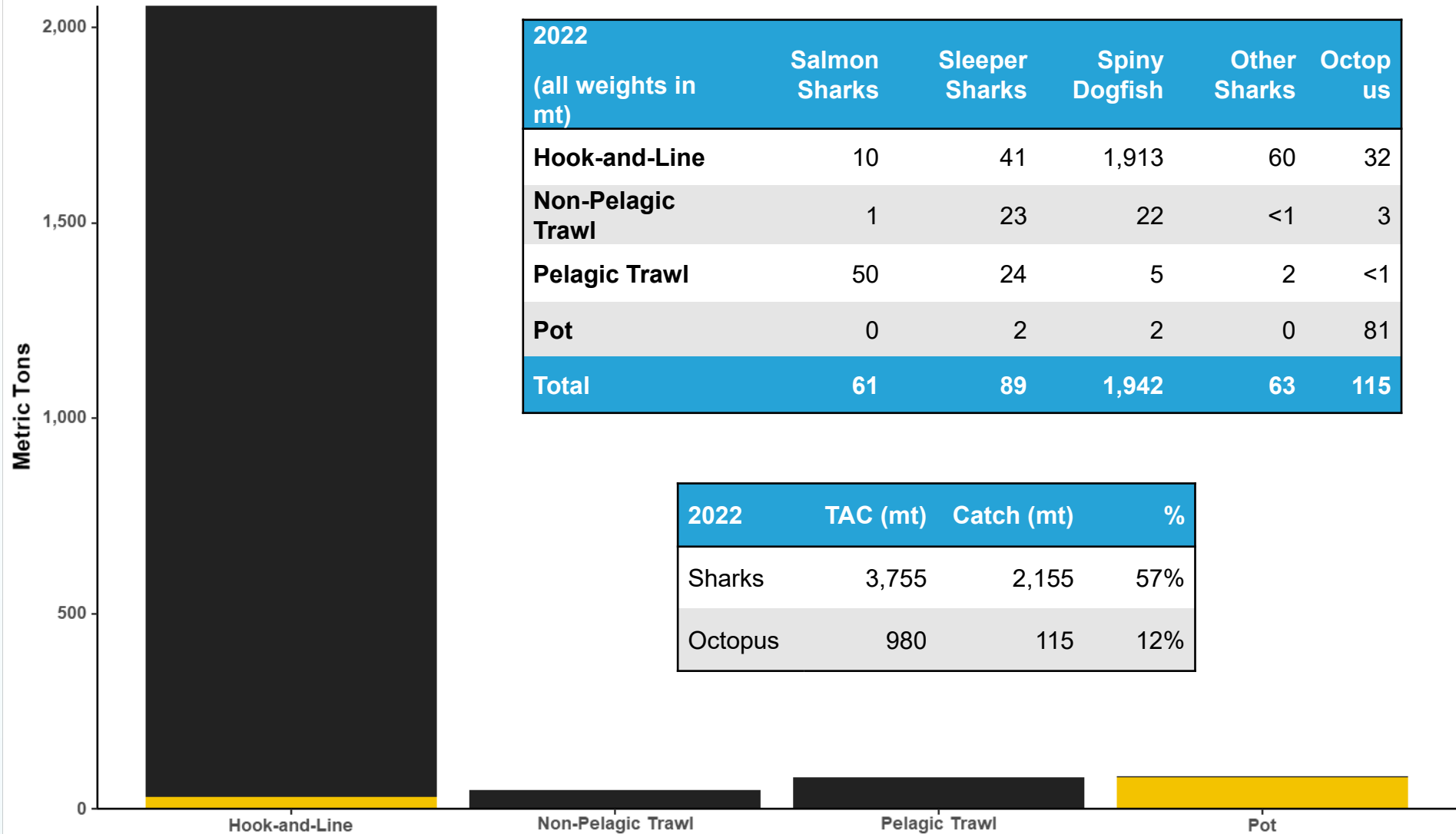
2022 Longnose Skate	TAC (mt)	Catch (mt)	%
Western GOA	151	70	46%
Central GOA	2,044	485	24%
Eastern GOA	517	404	78%
TOTAL	2,712	959	35%

2022 Other Skates	TAC (mt)	Catch (mt)	%
Entire GOA	984	901	92%



2022 GOA Sharks and Octopus

Sharks
 Octopus

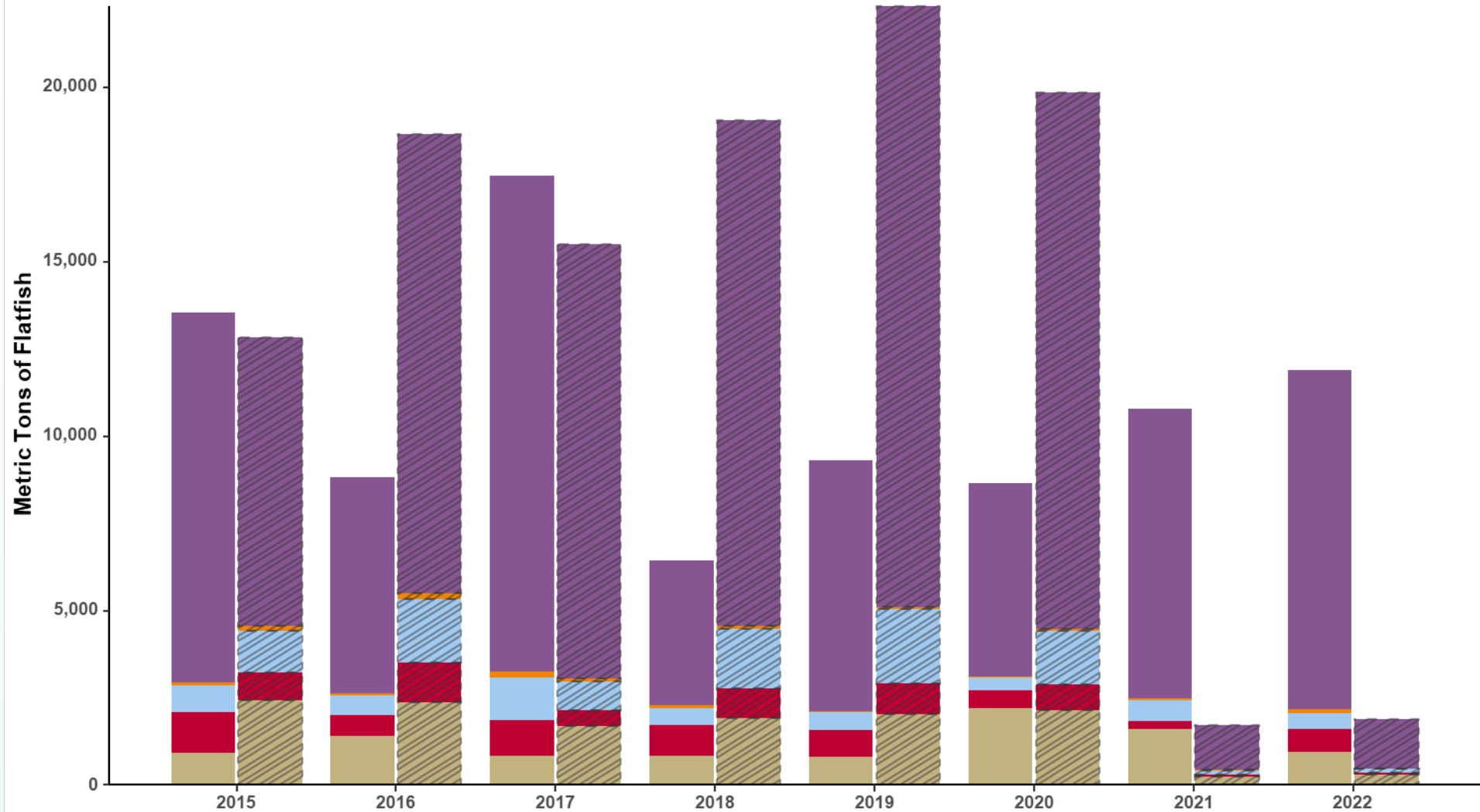
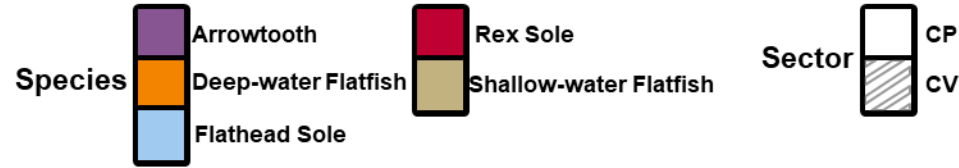


2022 GOA Groundfish Species Placed on Prohibited Species Status

2021				Date
Pacific Cod	GOA - Central 620/630	Catcher Processor	Trawl	July 08
Other Rockfish	GOA - Central 620/630	All	Trawl,Hook-and-Line,Pot,Jig	August 30
Other Rockfish	GOA - Western 610	All	Trawl,Hook-and-Line,Pot,Jig	August 30

2022				Date
Pacific Cod	GOA - Central 620/630	Catcher Processor	Trawl	July 08
Other Rockfish	GOA - Central 620/630	All	Trawl,Hook-and-Line,Pot,Jig	August 06
Other Rockfish	GOA - Western 610	All	Trawl,Hook-and-Line,Pot,Jig	August 06
Pacific Ocean Perch	GOA - Central 620/630	Open Access	Trawl,Hook-and-Line,Pot,Jig	October 12
Shortraker Rockfish	GOA - Central 620/630	Catcher Processor	Trawl,Hook-and-Line,Pot	October 25
Shortraker Rockfish	GOA - Central 620/630	Catcher Vessel	Trawl,Hook-and-Line,Pot,Jig	October 25

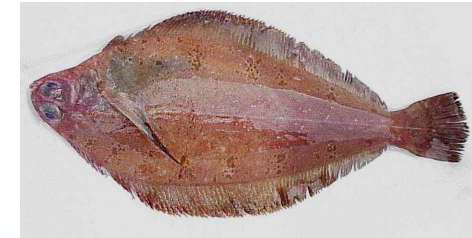
GOA Trawl Flatfish Catch by Species



2022 Flatfish and Skate Catch in the GOA



Big Skate



Rex Sole

Species	Area	TAC (mt)	Total Catch (mt)	%
Arrowtooth Flounder	Western	14,500	443	3%
	Central	68,394	11,034	16%
Flathead Sole	Western	8,650	42	0%
	Central	15,400	521	3%
Rex Sole	Western	2,981	40	1%
	Central	12,076	655	5%
Shallow Water Flatfish	Western	13,250	33	0%
	Central	25,305	1,253	5%
Deep Water Flatfish	Western	256	2	1%
	Central	2,139	118	6%
Big Skate	Western	591	166	28%
	Central	1,482	686	46%
	Eastern	794	114	14%
Longnose Skate	Western	151	70	46%
	Central	2,044	485	24%
	Eastern	517	404	78%
Other Skate	GOA	984	901	92%

GOA Trawl Groundfish Retained and Discarded

2021 Trawl	Retained	Discarded	% Retained
Pollock	97,659	1,318	99%
Dusky Rockfish	2,816	103	96%
Northern Rockfish	2,339	36	98%
Pacific Ocean Perch	28,383	516	98%
Atka Mackerel	832	107	89%
Arrowtooth Flounder	8,142	1,470	85%
Thornyhead Rockfish	137	9	94%
Pacific Cod *	5,073	916	85%
Rougheye Rockfish	215	10	96%
Rex Sole	257	43	86%
Flathead Sole	562	136	81%
Shallow Water Flatfish	1,478	359	80%
Shortraker Rockfish	236	53	82%
Sablefish	1,142	460	71%
Other Rockfish *	635	357	64%
Skates	121	124	50%
Deep Water Flatfish	17	58	23%
Other Species	25	153	14%
TOTAL	150,071	6,229	96%

2022 Trawl	Retained	Discarded	% Retained
Pollock	128,694	1,163	99%
Dusky Rockfish	2,522	36	99%
Northern Rockfish	1,850	29	98%
Pacific Ocean Perch *	28,069	1,018	96%
Atka Mackerel	833	46	95%
Arrowtooth Flounder	10,278	877	92%
Thornyhead Rockfish	254	23	92%
Pacific Cod *	7,523	679	92%
Rougheye Rockfish	293	27	92%
Rex Sole	625	71	90%
Flathead Sole	480	79	86%
Shallow Water Flatfish	1,028	242	81%
Shortraker Rockfish *	237	69	77%
Sablefish	1,325	533	71%
Other Rockfish *	591	366	62%
Skates	112	132	46%
Deep Water Flatfish	19	89	18%
Other Species	11	119	8%
TOTAL	184,745	5,599	97%

Sorted by 2022 species' percent retained.

* Species on prohibited retention status.

'Other Species' includes sharks and octopus.

Sorted by species' percent retained.

* Species on prohibited retention status.

'Other Species' includes sharks and octopus.

GOA Fixed Gear Groundfish Retained and Discarded

2021 Hook-and-Line	Retained	Discarded	% Retained
Demersal Shelf Rockfish	92	11	89%
Thornyhead Rockfish	109	11	91%
Sablefish	3,717	351	91%
Rougheye Rockfish	95	56	63%
Pacific Cod	3,396	405	89%
Shortraker Rockfish	93	135	41%
Other Rockfish *	99	121	45%
Other Species	17	63	21%
Skates	120	2,144	5%
Arrowtooth Flounder	1	132	1%
Shark	0	1,738	0%
TOTAL	7,738	5,166	60%

Sorted by 2022 species' percent retained.

* Species on prohibited retention status.

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

2021 Pot	Retained	Discarded	% Retained
Pacific Cod	3,411	10	100%
Sablefish	9,647	193	98%
Octopus	23	14	62%
Other Species	87	329	21%
TOTAL	13,168	546	96%

Sorted by 2022 species' percent retained.

* Species on prohibited retention status.

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

2022 Hook-and-Line	Retained	Discarded	% Retained
Demersal Shelf Rockfish	144	14	91%
Thornyhead Rockfish	66	7	91%
Sablefish	2,907	365	89%
Rougheye Rockfish	75	17	82%
Pacific Cod	4,410	1,008	81%
Shortraker Rockfish *	62	70	47%
Other Rockfish *	140	185	43%
Other Species	29	87	25%
Skates	196	2,385	8%
Arrowtooth Flounder	1	194	0%
Shark	1	2,023	0%
TOTAL	8,032	6,355	56%

Sorted by species' percent retained.

* Species on prohibited retention status.

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

2022 Pot	Retained	Discarded	% Retained
Pacific Cod	4,871	33	99%
Sablefish	12,634	292	98%
Octopus	59	22	73%
Other Species	84	285	23%
TOTAL	17,647	631	97%

Sorted by species' percent retained.

* Species on prohibited retention status.

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

2022 GOA Salmon, Crab, and Herring PSC



Chinook Salmon

Chinook Salmon	Total Catch (#)	Limit (#)	%
Pollock Western GOA	2,586	6,684	39%
Pollock Central GOA	7,610	18,316	42%
Catcher Vessel Non-pollock/Non-Rockfish Program	0	2,700	0%
Catcher Vessel Rockfish Program	75	1,200	6%
Catcher Processors	1,312	4,080	32%
TOTAL	11,583	32,980	35%
Pollock 640	229	n/a	n/a
Non-trawl Gear	0	n/a	n/a

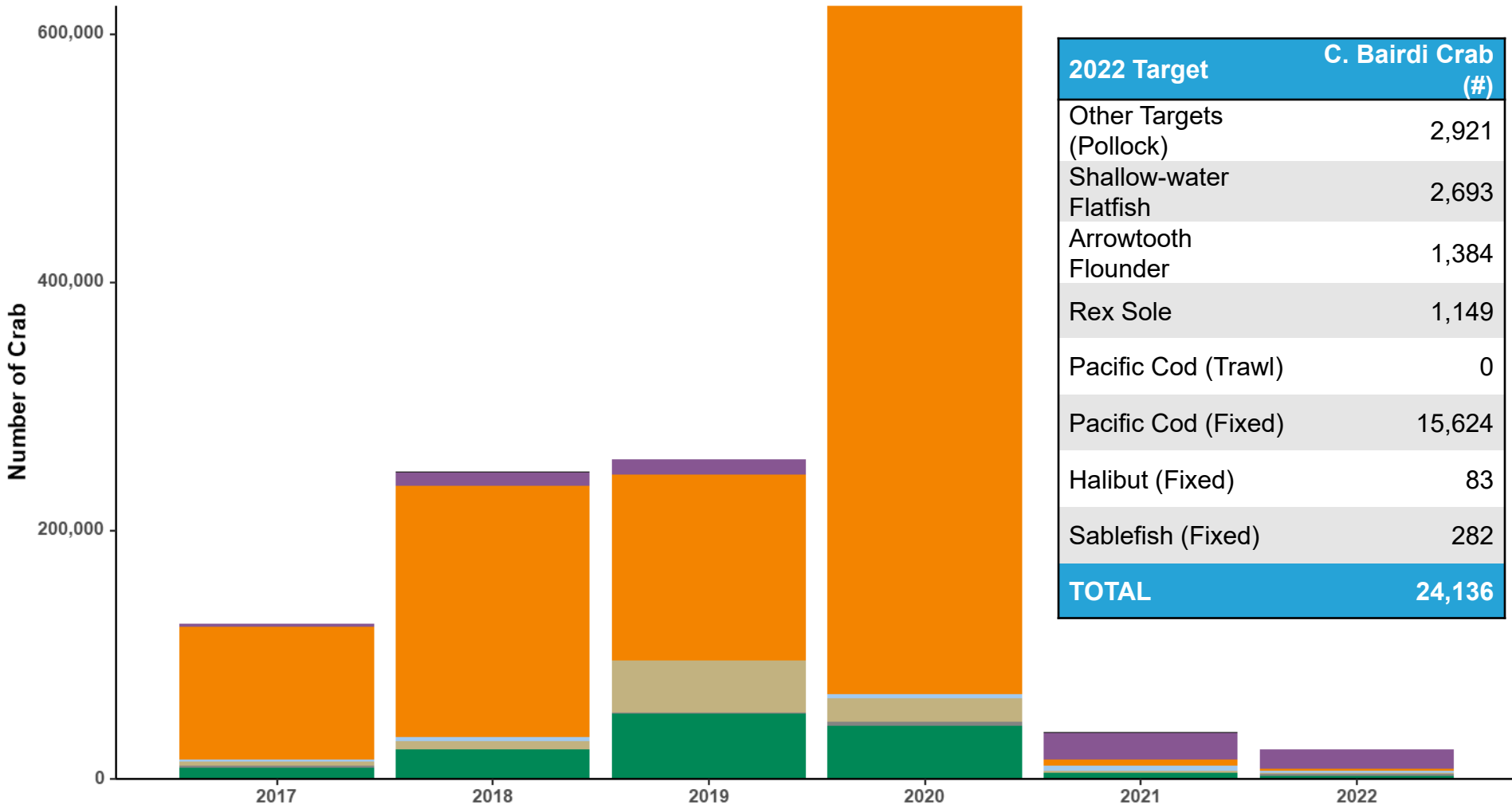
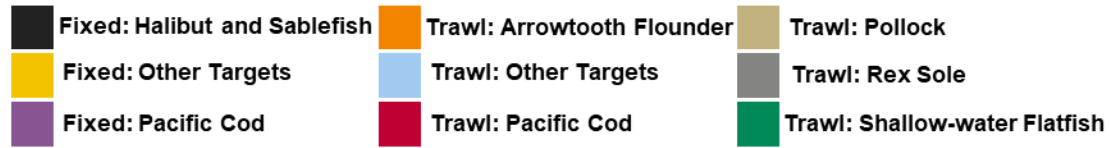
Other PSC Species	2021	2022
Non-Chinook Salmon (#)	3,733	5,743
Trawl Bairdi Tanner (#)	15,373	8,147
Fixed Gear Bairdi Tanner (#)	22,214	15,990
Red King Crab (#)	25	0
Golden King Crab (#)	550	328
Herring (mt)	19	84



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



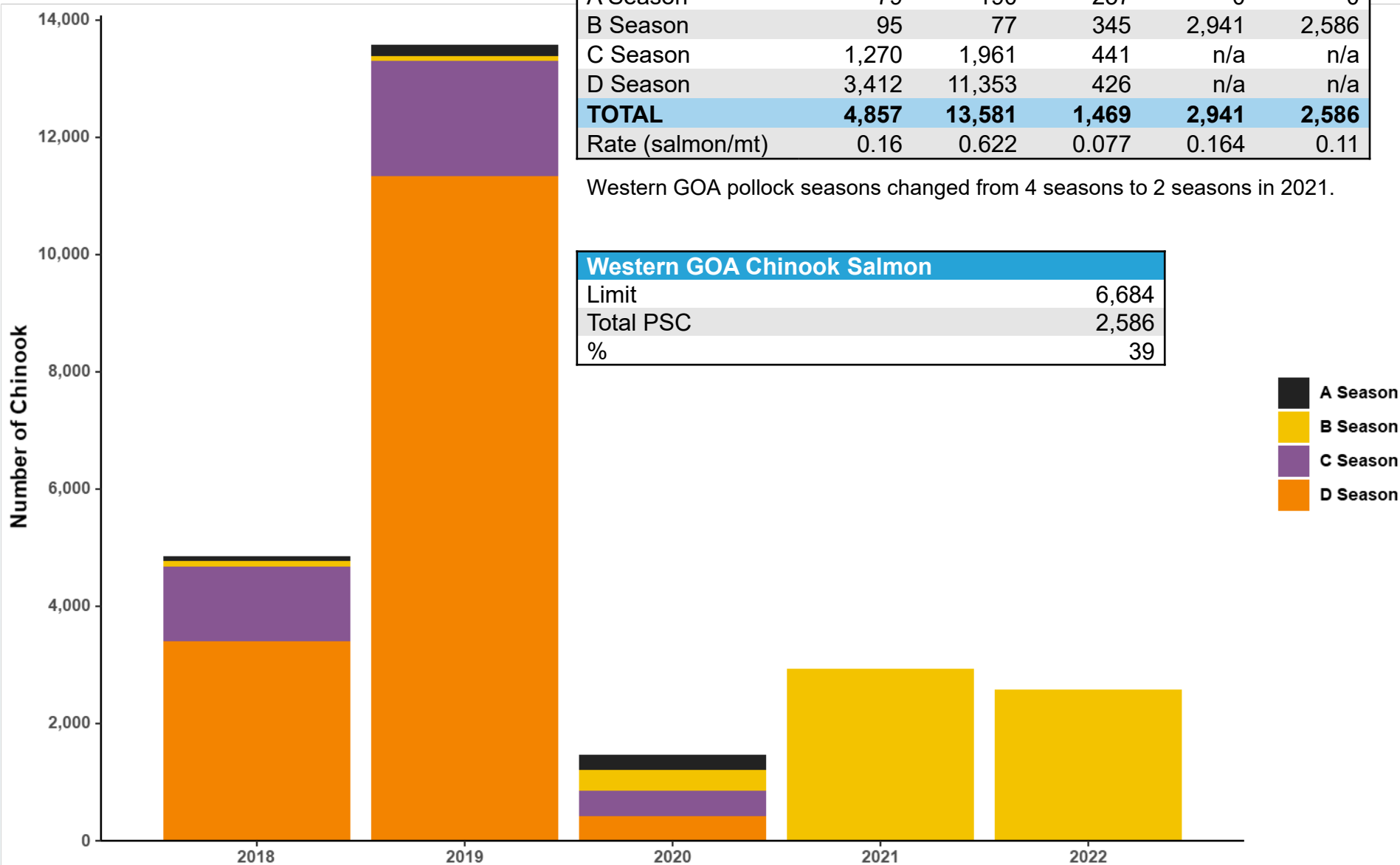
2022 Target	C. Bairdi Crab (#)
Other Targets (Pollock)	2,921
Shallow-water Flatfish	2,693
Arrowtooth Flounder	1,384
Rex Sole	1,149
Pacific Cod (Trawl)	0
Pacific Cod (Fixed)	15,624
Halibut (Fixed)	83
Sablefish (Fixed)	282
TOTAL	24,136

Chinook Salmon PSC in Western GOA Pollock Fisheries

Western GOA	2018	2019	2020	2021	2022
A Season	79	190	257	0	0
B Season	95	77	345	2,941	2,586
C Season	1,270	1,961	441	n/a	n/a
D Season	3,412	11,353	426	n/a	n/a
TOTAL	4,857	13,581	1,469	2,941	2,586
Rate (salmon/mt)	0.16	0.622	0.077	0.164	0.11

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

Western GOA Chinook Salmon	
Limit	6,684
Total PSC	2,586
%	39



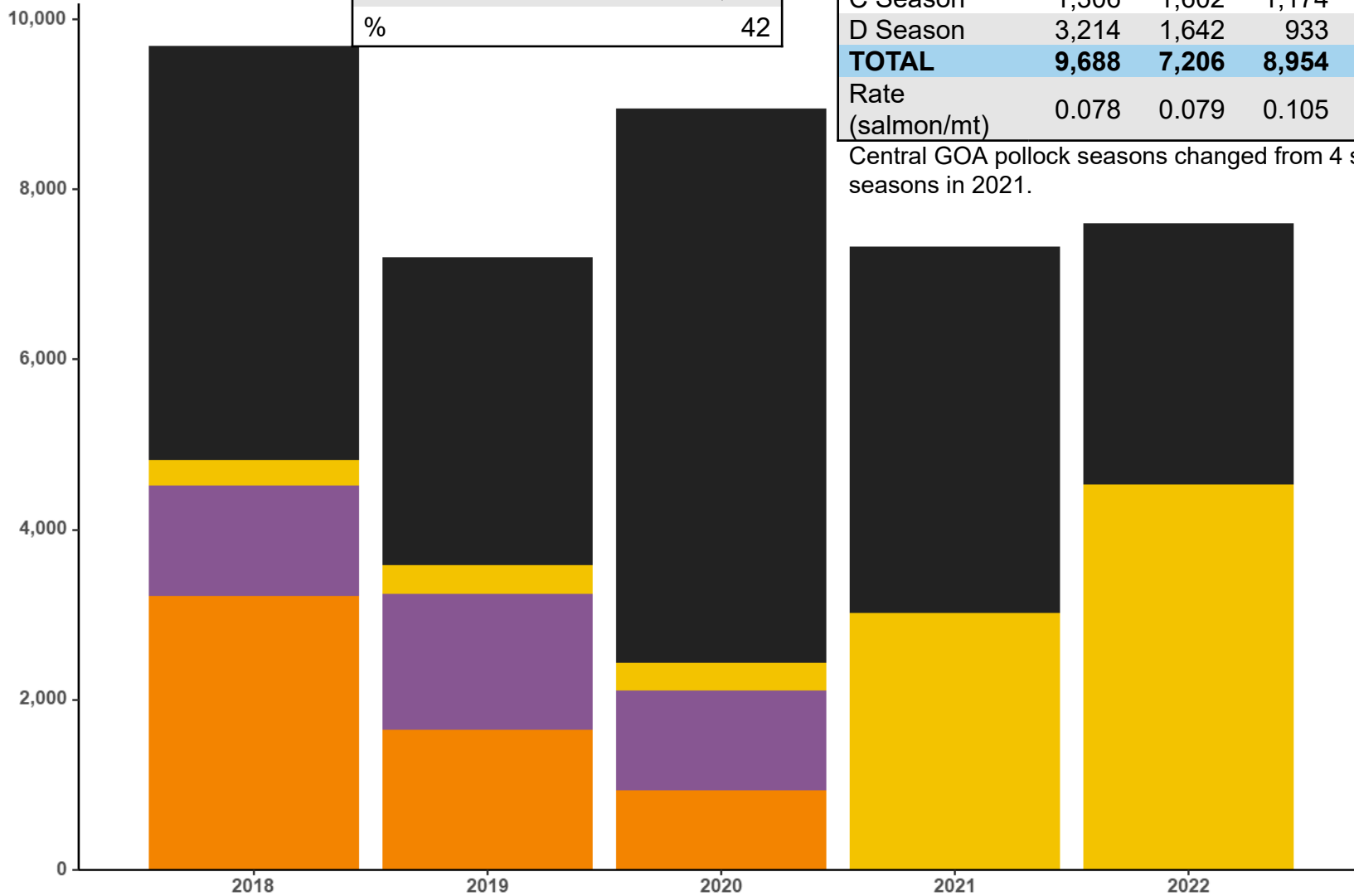
- A Season
- B Season
- C Season
- D Season

Chinook Salmon PSC in Central GOA Pollock Fisheries

Central GOA Chinook Salmon	
Limit	18,316
Total PSC	7,610
%	42

Central GOA	2018	2019	2020	2021	2022
A Season	4,870	3,622	6,528	4,313	3,077
B Season	298	340	320	3,014	4,533
C Season	1,306	1,602	1,174	n/a	n/a
D Season	3,214	1,642	933	n/a	n/a
TOTAL	9,688	7,206	8,954	7,328	7,610
Rate (salmon/mt)	0.078	0.079	0.105	0.093	0.073

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



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

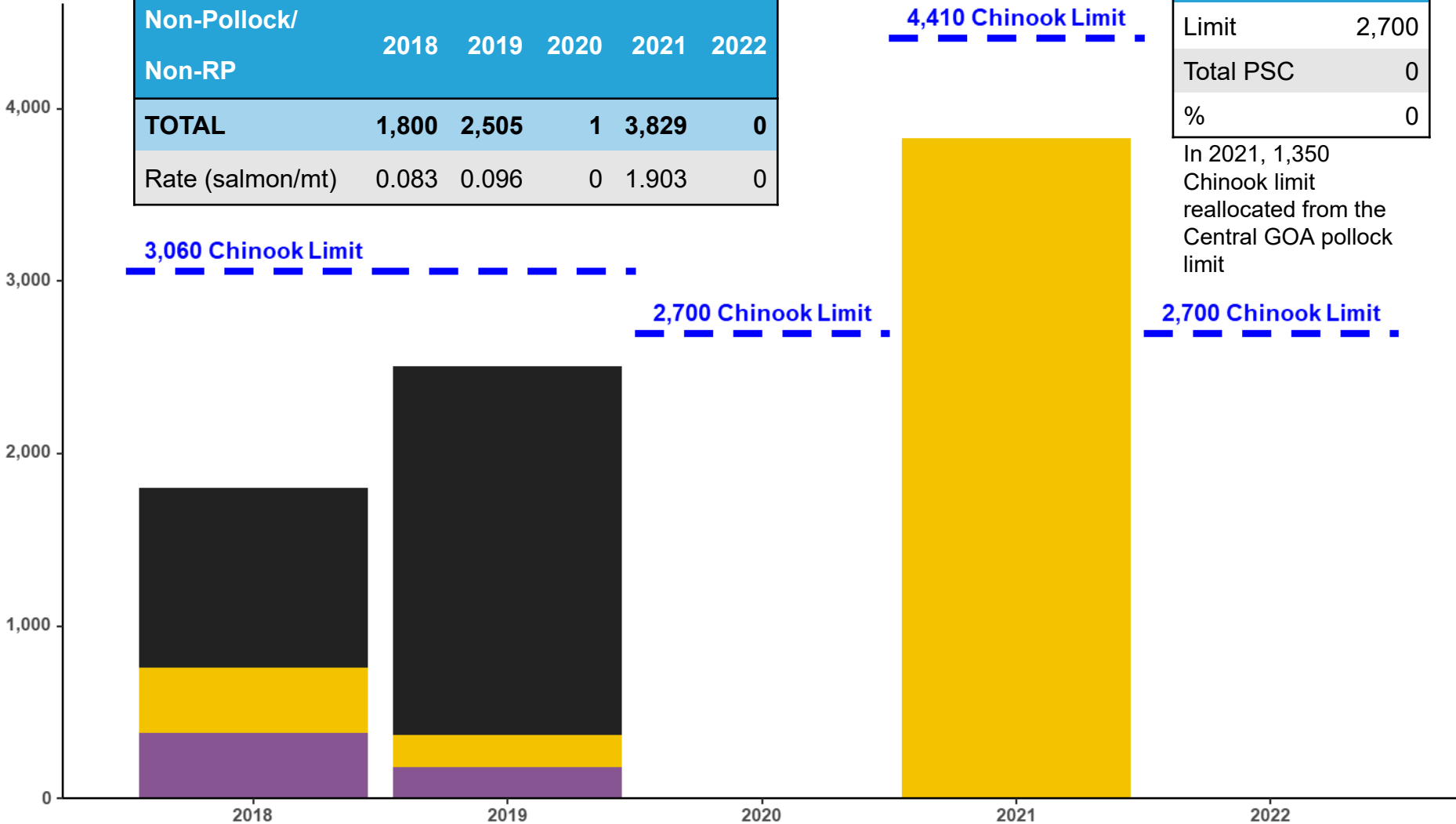
Deep-Water Flatfish
 Pacific Cod
 Shallow-Water Flatfish
 Other

Non-Pollock/ Non-RP	2018	2019	2020	2021	2022
TOTAL	1,800	2,505	1	3,829	0
Rate (salmon/mt)	0.083	0.096	0	1.903	0

Non-Pollock/Non-RP Chinook Salmon	
Limit	2,700
Total PSC	0
%	0

In 2021, 1,350 Chinook limit reallocated from the Central GOA pollock limit

Number of Chinook Salmon



Chinook Salmon PSC in Rockfish Program by Catcher Vessels

Rockfish
 Other

Rockfish Program	2018	2019	2020	2021	2022
TOTAL	304	297	53	1,290	75
Rate (salmon/mt)	0.022	0.021	0.004	0.071	0.005

1,200 Chinook Limit

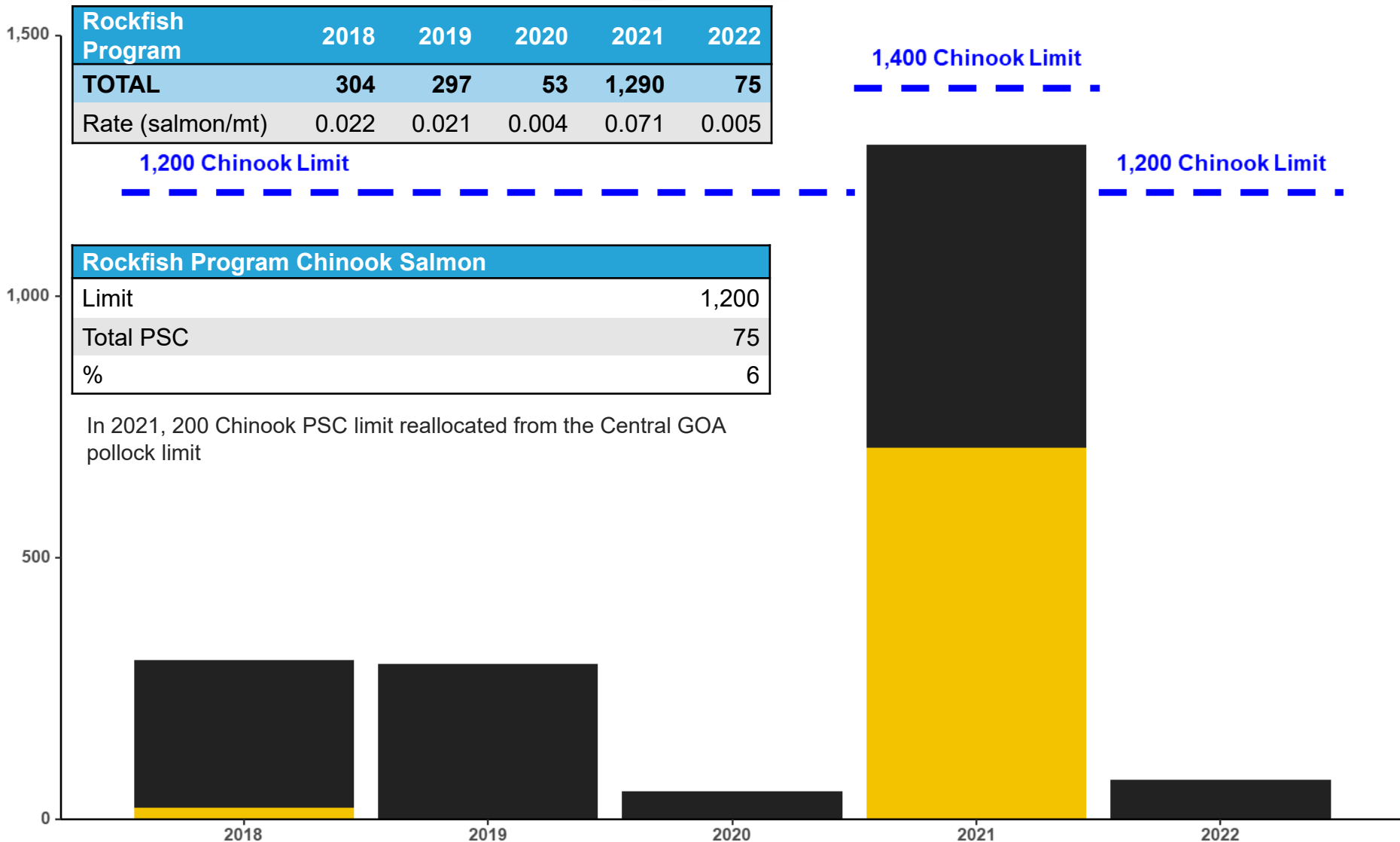
1,400 Chinook Limit

1,200 Chinook Limit

Rockfish Program Chinook Salmon	
Limit	1,200
Total PSC	75
%	6

In 2021, 200 Chinook PSC limit reallocated from the Central GOA pollock limit

Number of Chinook Salmon



Chinook Salmon PSC by Catcher/Processors

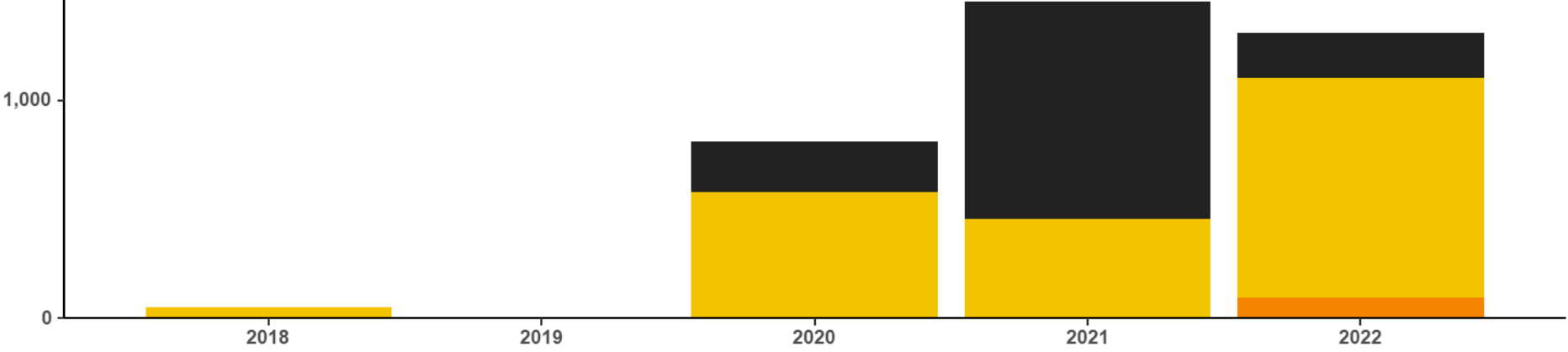
Deep-Water Flatfish
 Rockfish
 Shallow-Water Flatfish
 Other

4,080 Chinook Limit

C/Ps	2018	2019	2020	2021	2022
TOTAL	53	0	812	1,458	1,312
Rate (salmon/mt)	0.002	0	0.031	0.045	0.037

Catcher/Processor Chinook Salmon	
Limit	4,080
Total PSC	1,312
%	32

Number of Chinook Salmon



2022 GOA Halibut Catch

Fixed Gear Halibut (mt)	Retained	Discard	Mortality	Limit	%
IFQ Halibut Fishery	9,072	3,603	577	n/a	n/a
IFQ Sablefish Fishery		109	26	n/a	n/a
Pacific Cod/Other Groundfish Targets - HAL		321	42	257	16%
Pacific Cod/Other Groundfish Targets - Pot		21	6	n/a	n/a
TOTAL	9,072	4,053	651	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).

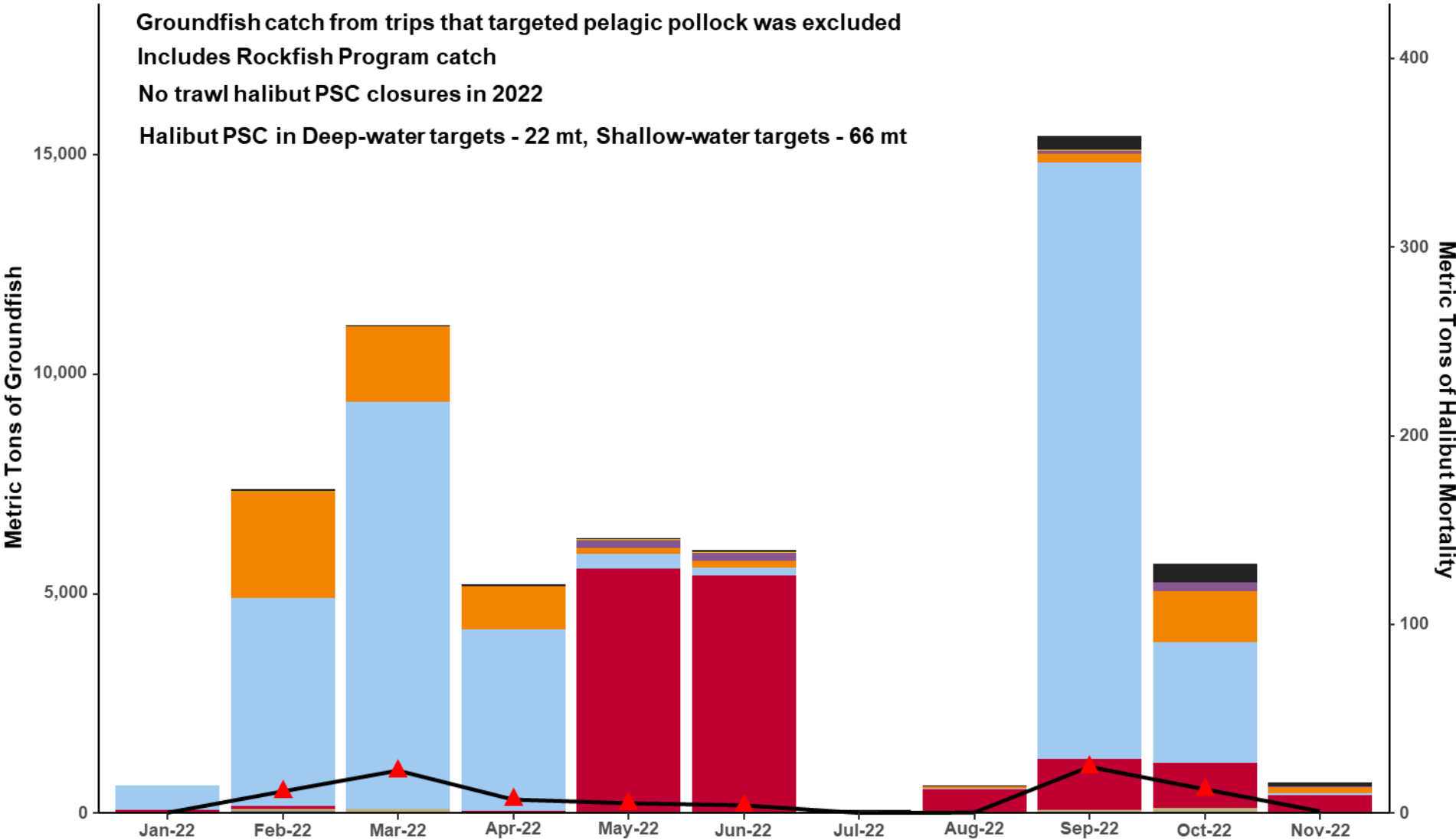
IFQ Sablefish and Pacific Cod/Other groundfish target discard mortality rates are 15% for HAL CPs, 12% for HAL CVs, and 29% for pot CPs and CVs.

Trawl Halibut	Total Discard (mt)	Mortality (mt)	Mortality Limit (mt)	%
Pollock	80	60	n/a	n/a
Pacific Cod	8	6	n/a	n/a
Rockfish/Sablefish	148	98	n/a	n/a
Arrowtooth Flounder	287	159	n/a	n/a
Deep Water Flatfish	11	9	n/a	n/a
Shallow Water Flatfish	28	23	n/a	n/a
TOTAL	562	355	1,706	21%

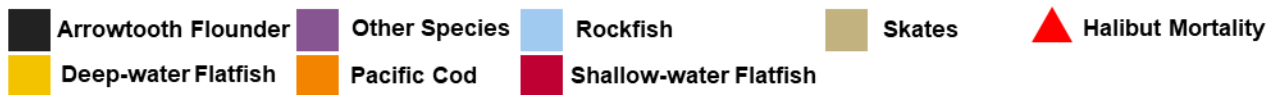
Includes 147 mt deck sorted halibut mortality by 7 trawl CPs.

Discard mortality rates are 100% for pelagic trawl, 83% for non-pelagic trawl CPs and motherships, 69% for non-pelagic trawl CVs, and 66% for Rockfish Program CVs.

2022 GOA Catcher Vessel Trawl Catch and Halibut Mortality

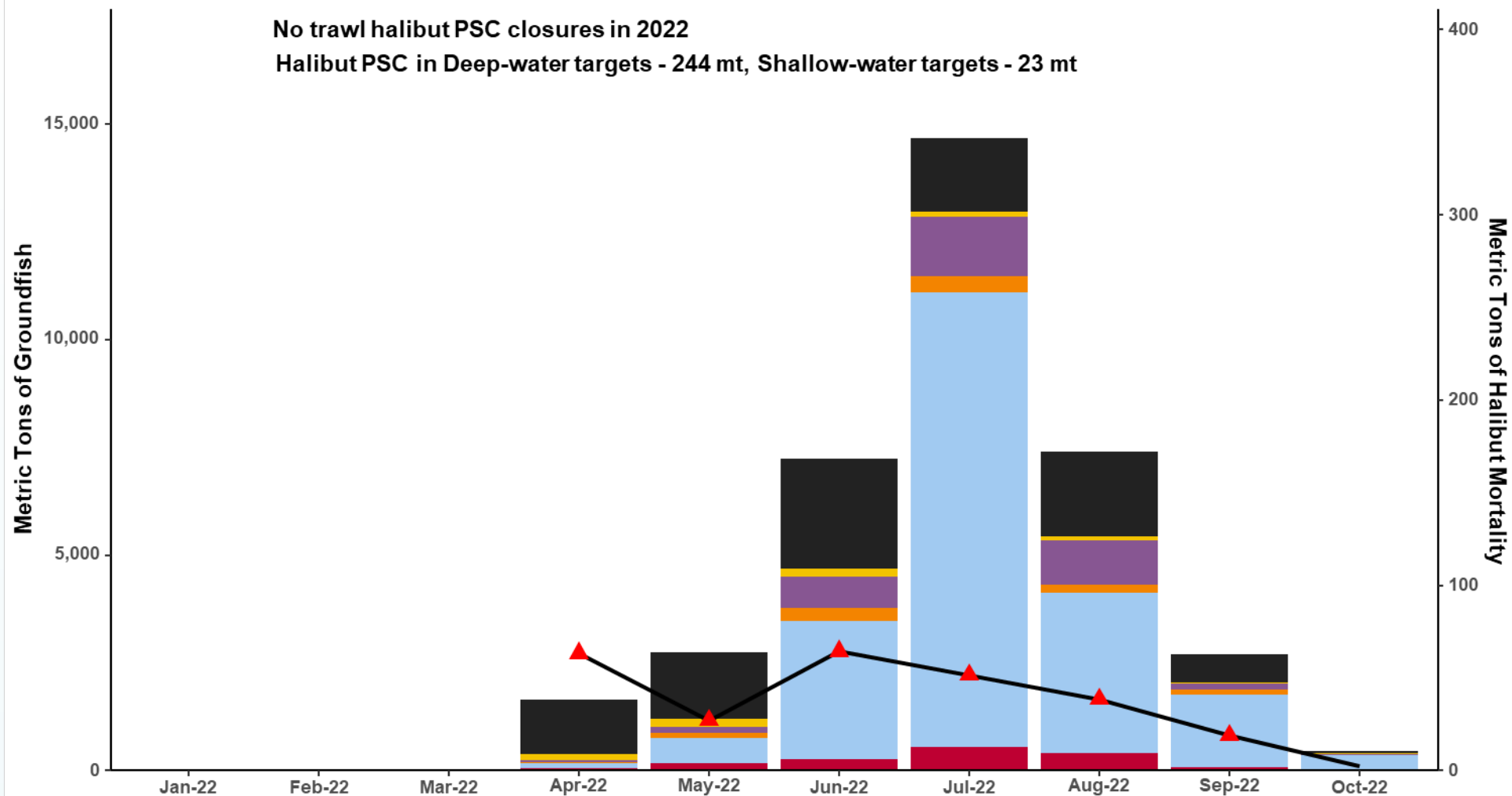


2022 GOA Catcher/Processor Trawl Catch and Halibut Mortality



No trawl halibut PSC closures in 2022

Halibut PSC in Deep-water targets - 244 mt, Shallow-water targets - 23 mt



2022 Trawl Halibut Mortality

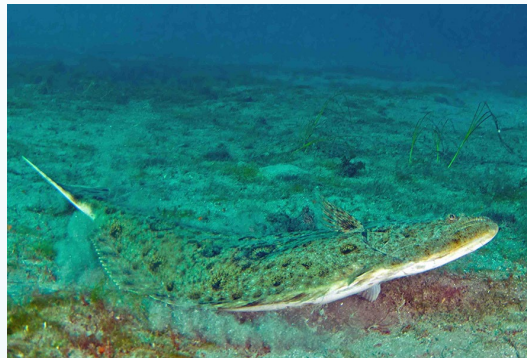
Category	Season	Start Date	End Date	Limit (mt)	Total Mortality (mt)	%
Deep Water Species	1	Jan 20	Mar 31	135	0	0%
	2	Apr 01	Jun 30	256	145	57%
	3	Jul 01	Jul 31	150	11	7%
	4	Aug 01	Oct 01	75	47	63%
	TOTAL				616	203
Shallow Water Species	1	Jan 20	Mar 31	384	34	9%
	2	Apr 01	Jun 30	85	14	16%
	3	Jul 01	Jul 31	121	9	8%
	4	Aug 01	Oct 01	53	26	49%
	TOTAL				643	83
Rockfish Program	TOTAL			191	62	33%
Season 5 Halibut Allocation	TOTAL			256	7	3%
Halibut Mortality	TOTAL			1,706	355	21%

Includes reallocation between Deep-water and Shallow-water in July.

2022 GOA 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
Hook-and-Line	Catcher/Processors	30	19	-35%	9.61	7.43	-23%
	Catcher Vessels	54	23	-57%	21.54	7.04	-67%
Hook-and-Line	Total	84	42	-49%	15.57	7.21	-54%
Trawl CVs	Central GOA CVs (NPT)	615	67	-89%	20.46	6.45	-68%
	Western GOA CVs (NPT)	23	2	-89%	6.18	1.09	-82%
	Pelagic Trawl CVs	28	19	-33%	0.20	0.13	-35%
Trawl CVs	Total	666	88	-87%	3.85	0.56	-85%
Trawl CPs	Total	271	267	-1%	8.37	7.24	-14%
All Sectors	Total	1,021	397	-61%	4.83	2.00	-59%

* Rate is kg of halibut / mt of groundfish



2022 GOA Reduction in Halibut Mortality Compared to 2021



	Sector	2021 (mt)	2022 (mt)	% Change (mt)	2021 Rate *	2022 Rate *	% Change in Rate
Hook-and-Line	Catcher/Processors	21	19	-8%	11.12	7.43	-33%
	Catcher Vessels	50	23	-54%	17.31	7.04	-59%
Hook-and-Line	Total	71	42	-41%	14.85	7.21	-51%
Trawl CVs	Central GOA CVs (NPT)	99	67	-33%	9.77	6.45	-34%
	Western GOA CVs (NPT)	23	2	-89%	12.06	1.09	-91%
	Pelagic Trawl CVs	40	19	-53%	0.36	0.13	-63%
Trawl CVs	Total	162	88	-46%	1.3	0.56	-57%
Trawl CPs	Total	205	267	30%	5.96	7.24	22%
All Sectors	Total	438	397	-9%	2.68	2.00	-26%

* Rate is kg of halibut / mt of groundfish

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