



**NOAA
FISHERIES**

Alaska Region

BSAI Inseason Management Report

December 2018

Catch data are through November 10, 2018

Management reports can be found at:

<https://alaskafisheries.noaa.gov/fisheries-data-reports?tid=286>

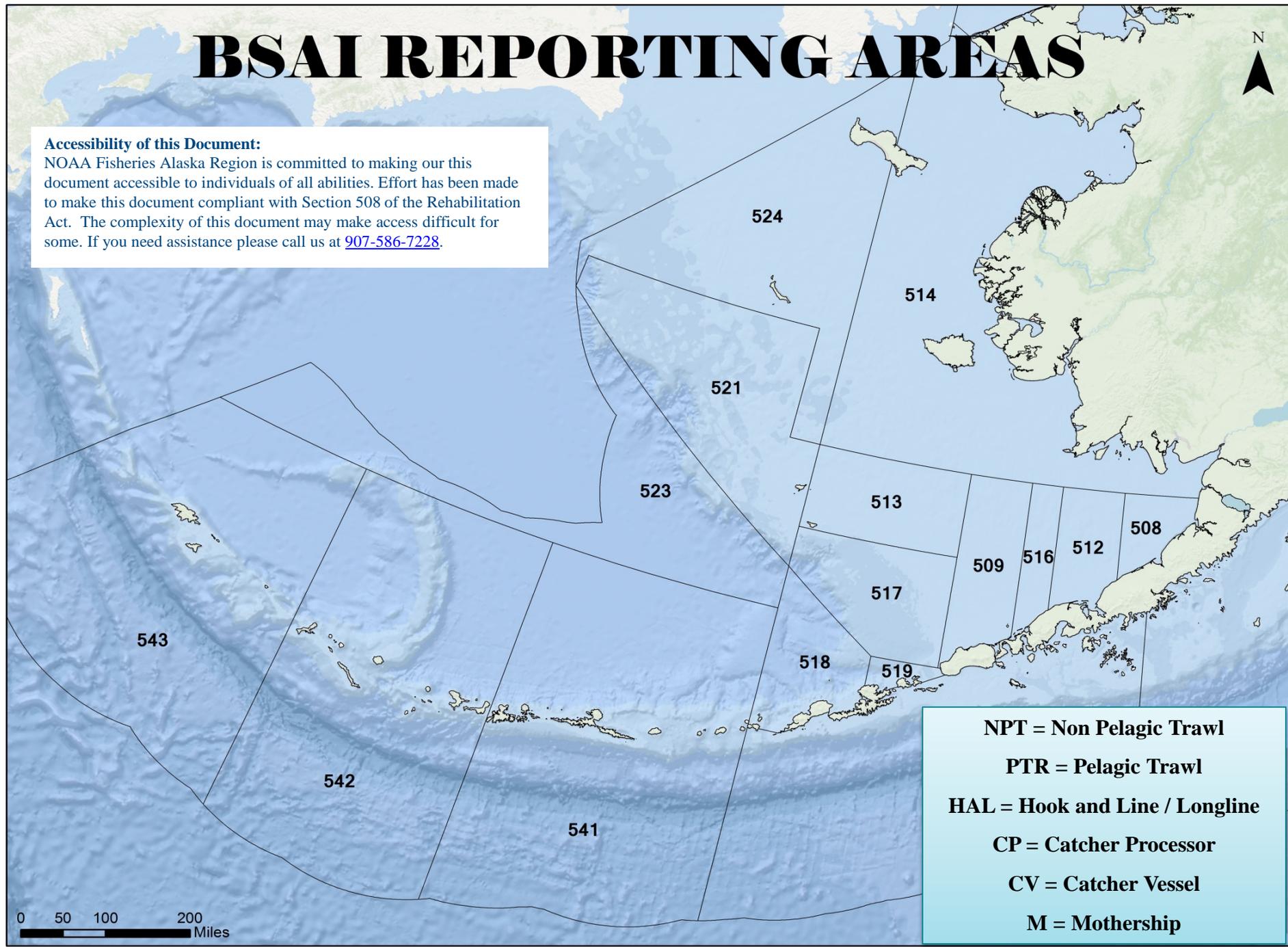
Report Prepared by:
Josh Keaton
November 2018

BSAI REPORTING AREAS



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NPT = Non Pelagic Trawl

PTR = Pelagic Trawl

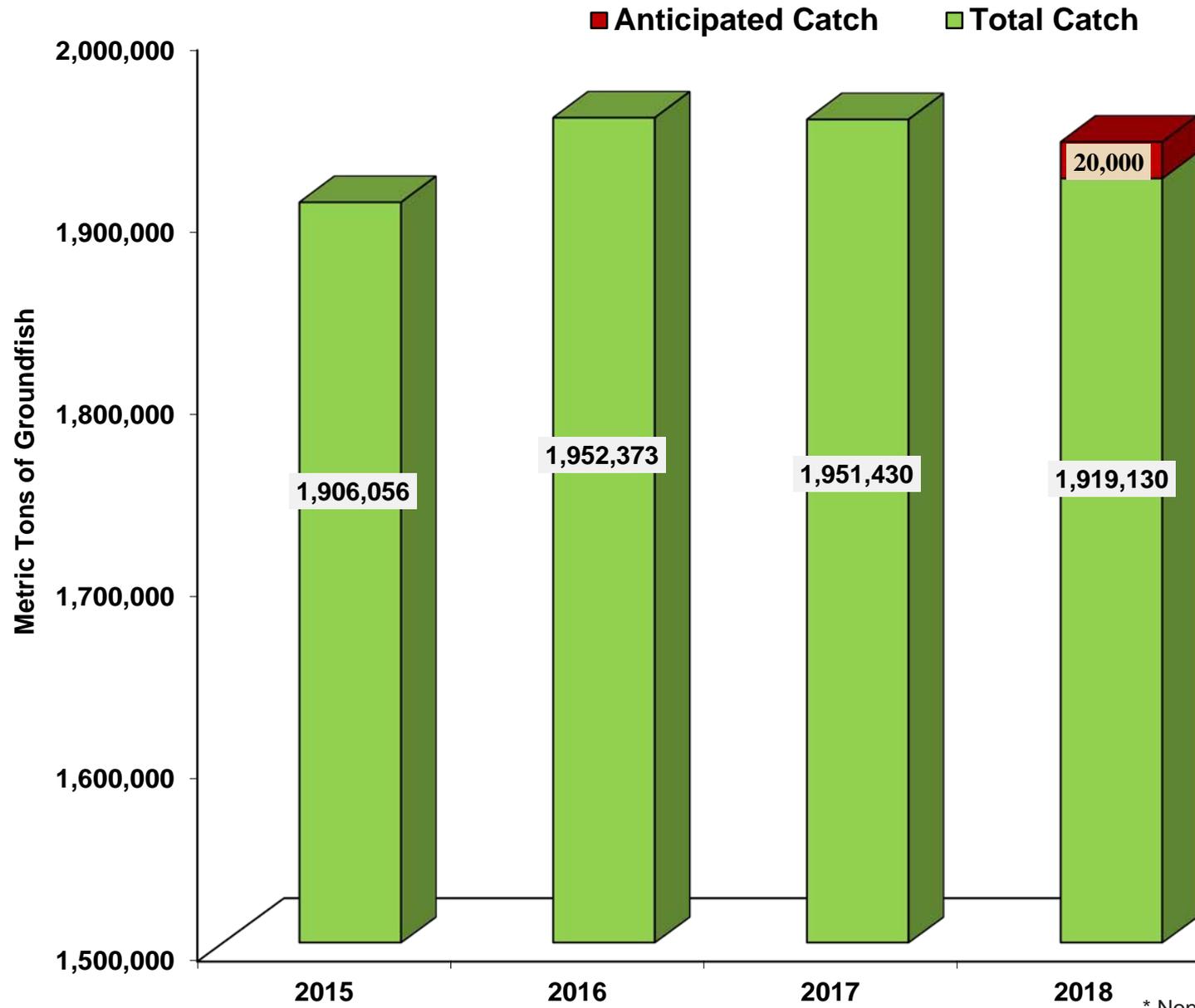
HAL = Hook and Line / Longline

CP = Catcher Processor

CV = Catcher Vessel

M = Mothership

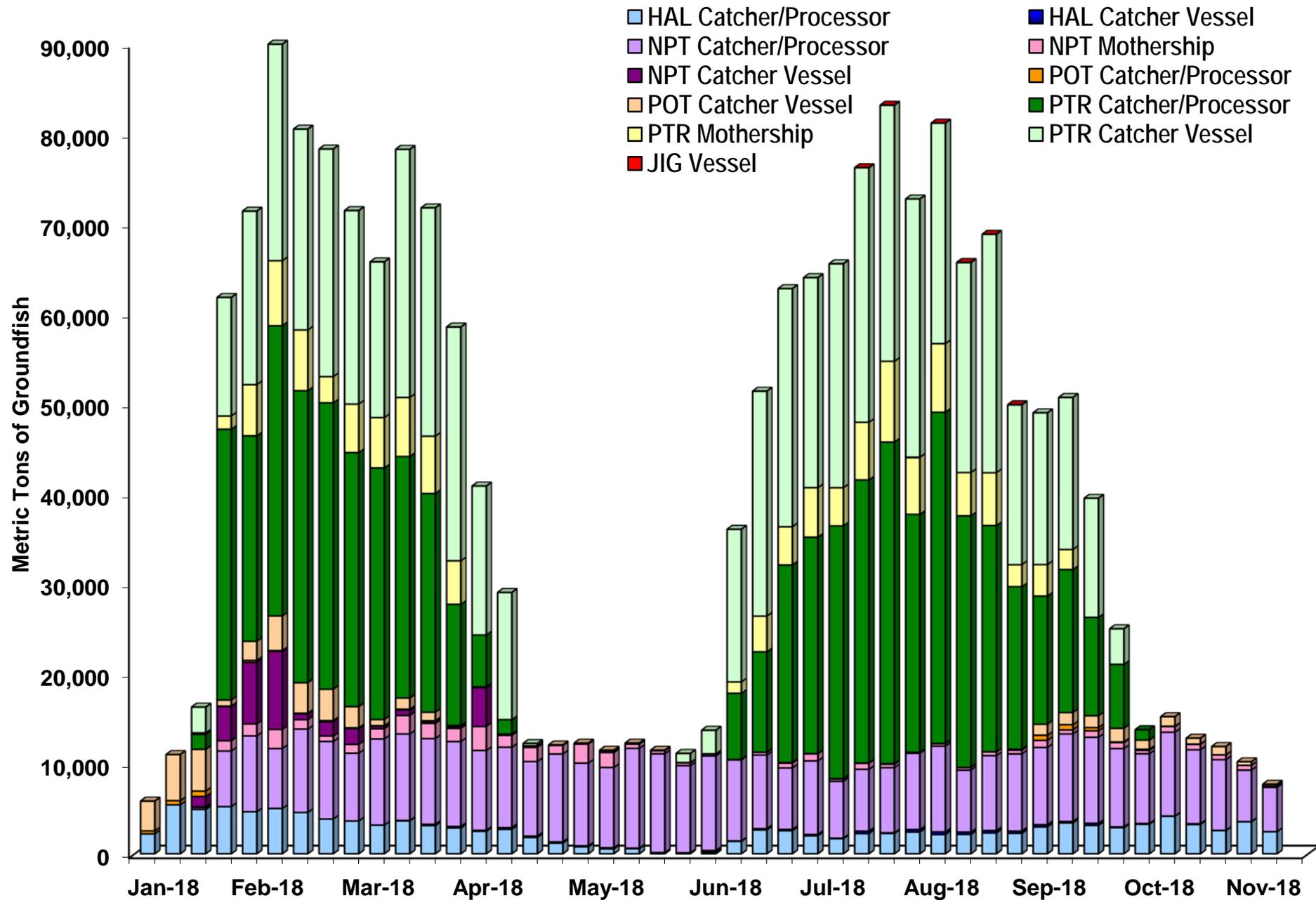
2015-2018 BSAI Total Catch



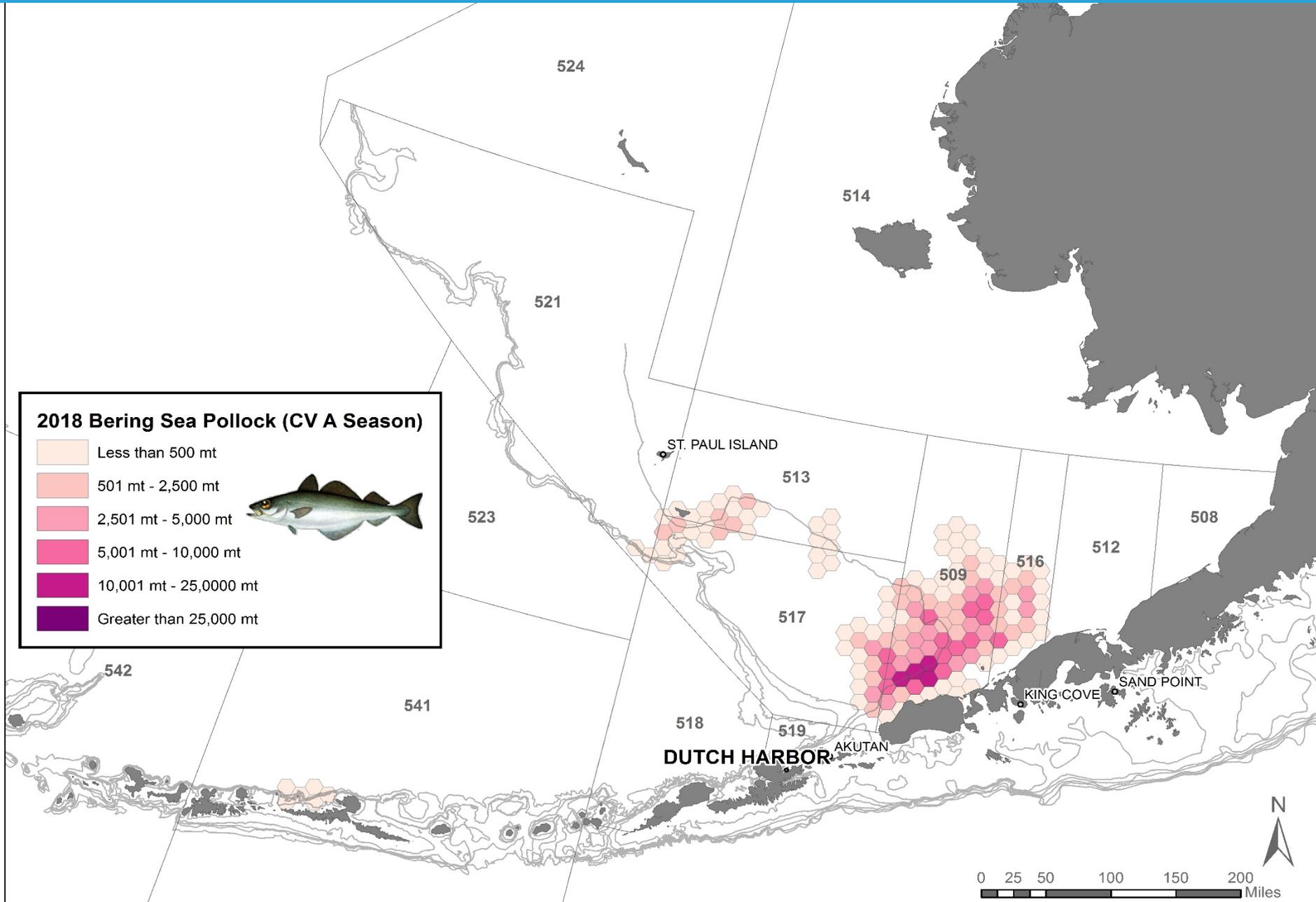
2015 TAC *	2,000,000
Total Catch	1,906,056
Remaining TAC	93,944
2016 TAC	2,000,000
Total Catch	1,952,373
Remaining TAC	47,627
2017 TAC	2,000,000
Total Catch	1,951,430
Remaining TAC	48,570
2018 TAC	2,000,000
Total Catch	1,919,130
Projected Catch	20,000
Total Catch with Projected Catch	1,939,130
Remaining TAC	60,870

* Non-specified reserves not all released

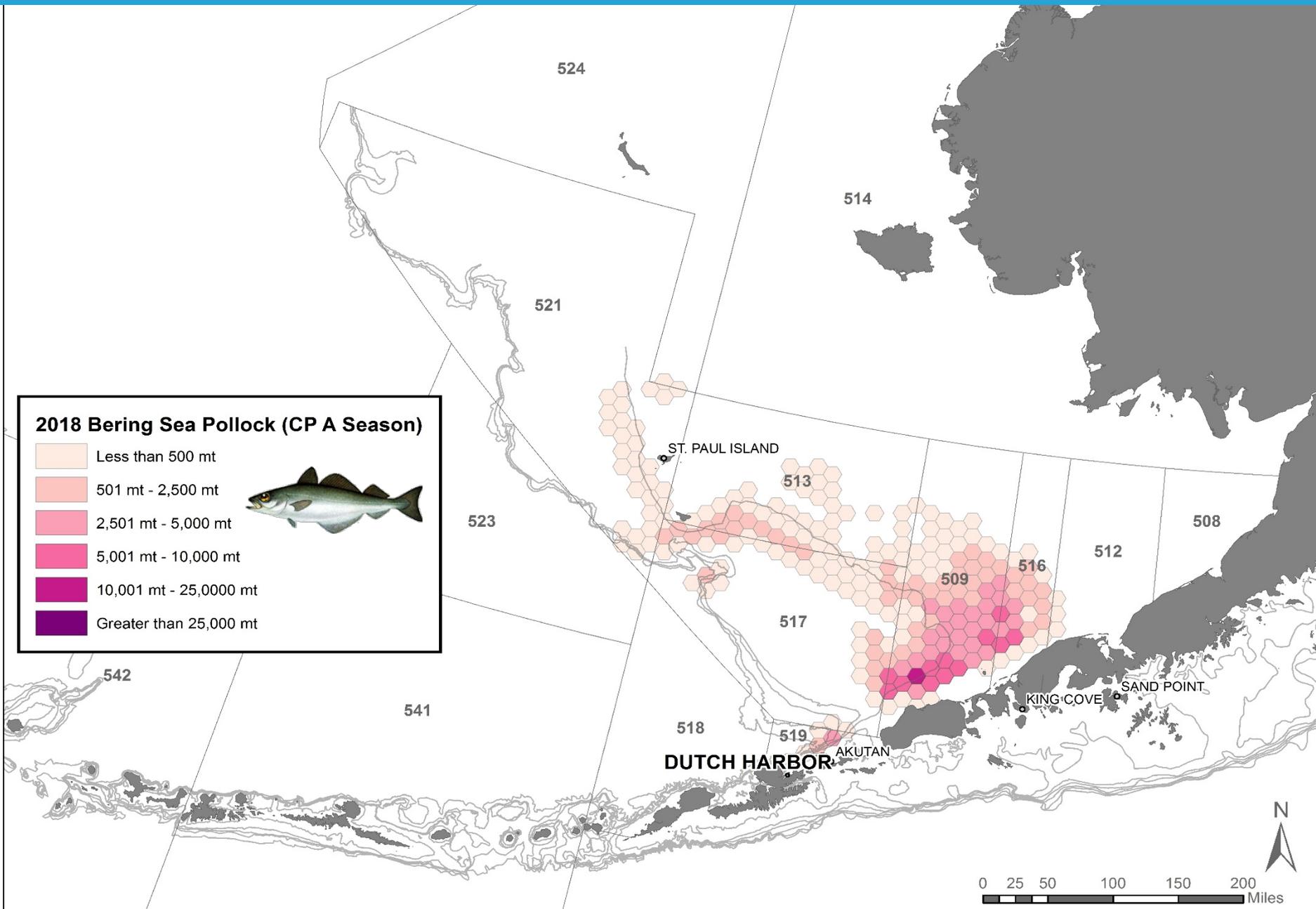
2018 BSAI Total Groundfish Catch by Gear & Sector



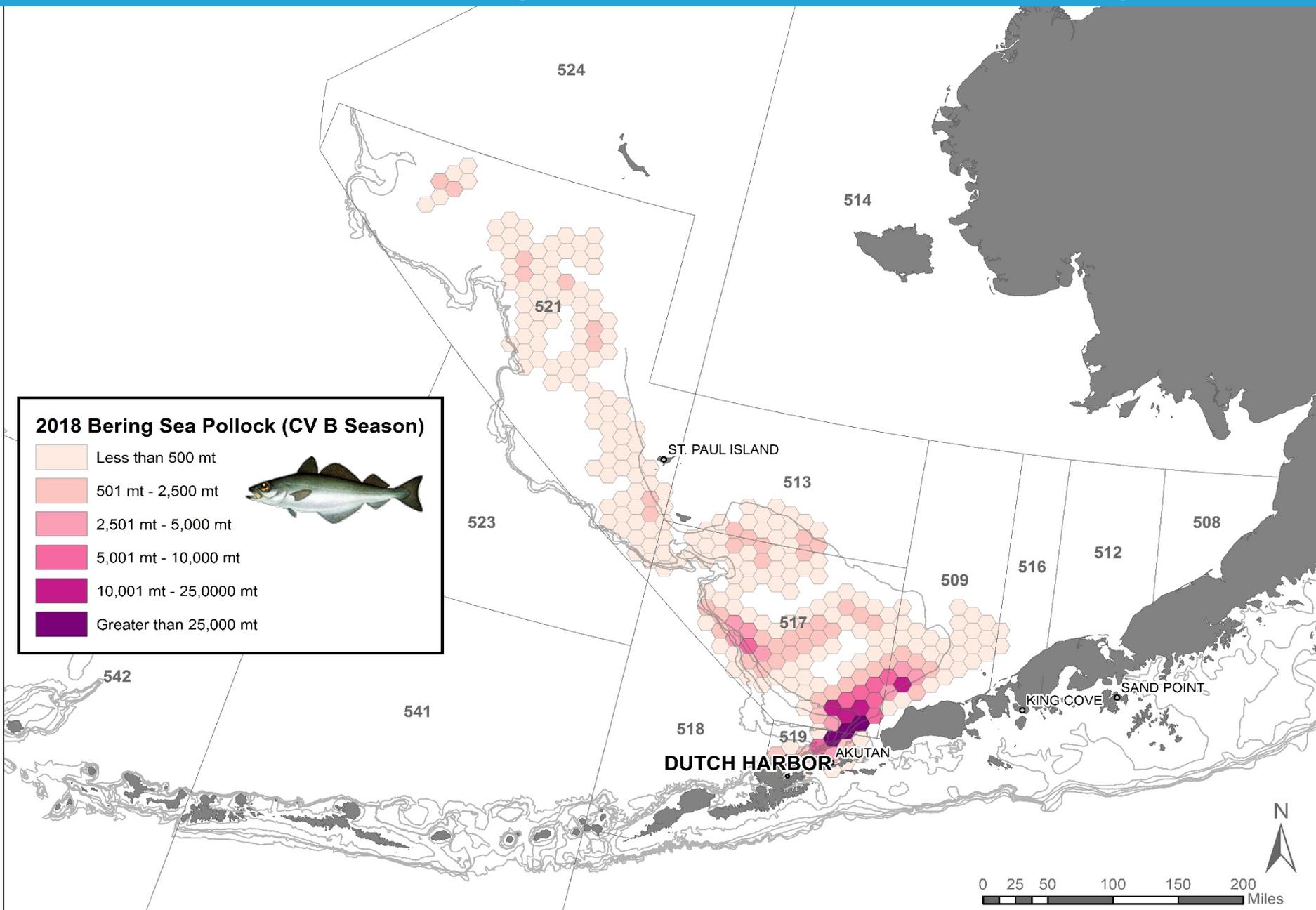
2018 A Season Bering Sea Pollock Directed Fishery (CV)



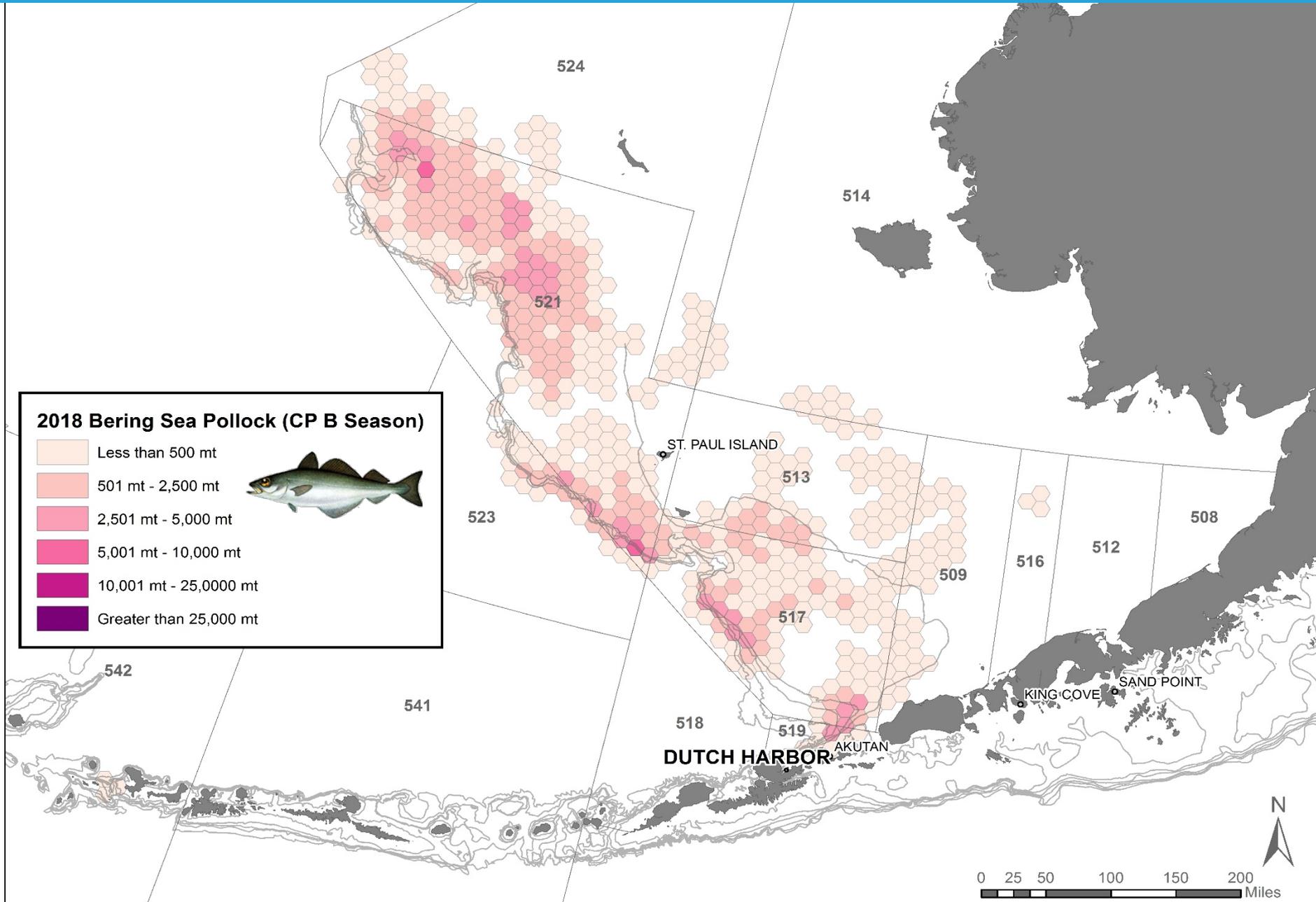
2018 A Season Bering Sea Pollock Directed Fishery (CP)



2018 B Season Bering Sea Pollock Directed Fishery (CV)



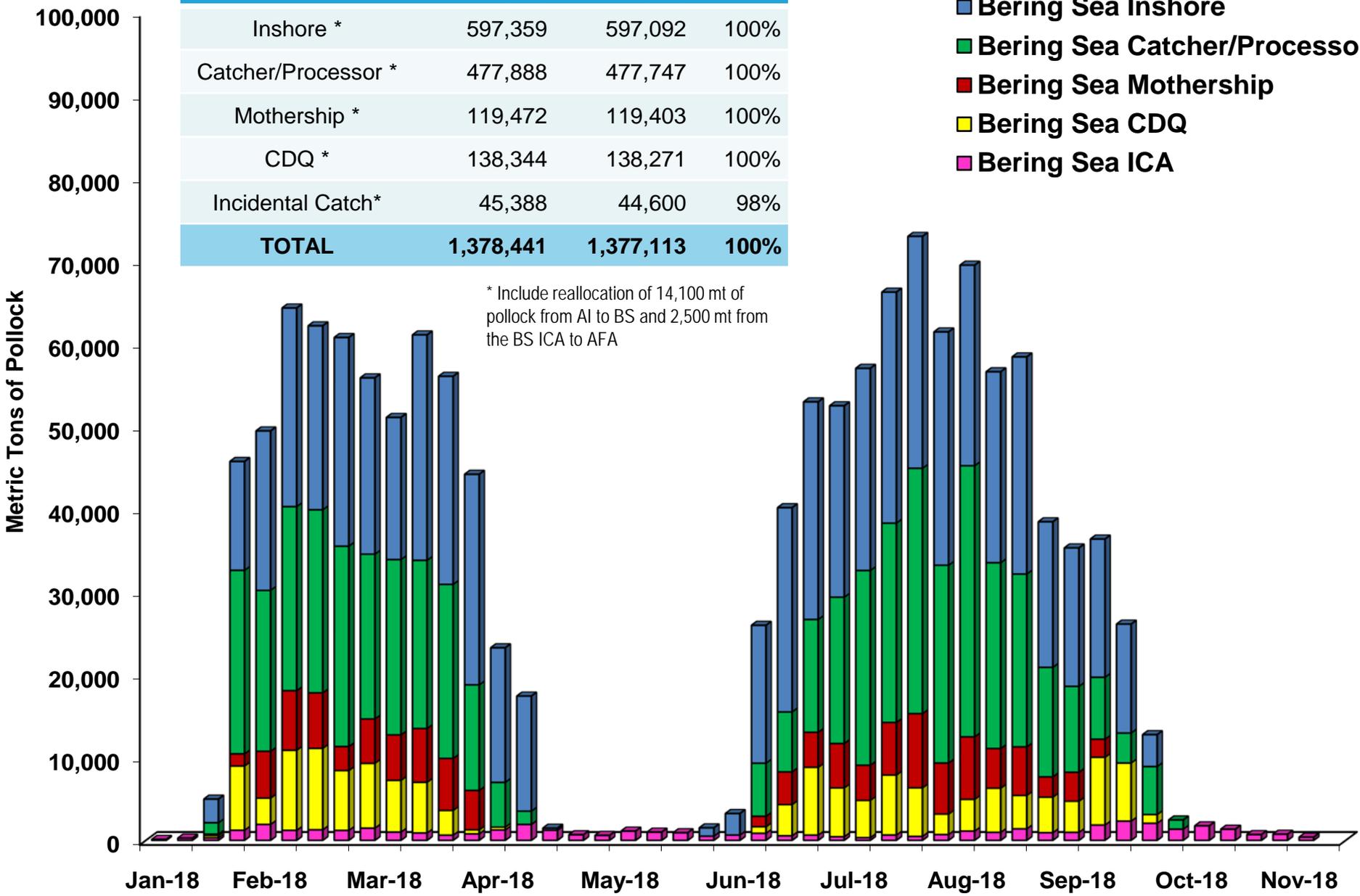
2018 B Season Bering Sea Pollock Directed Fishery (CP)



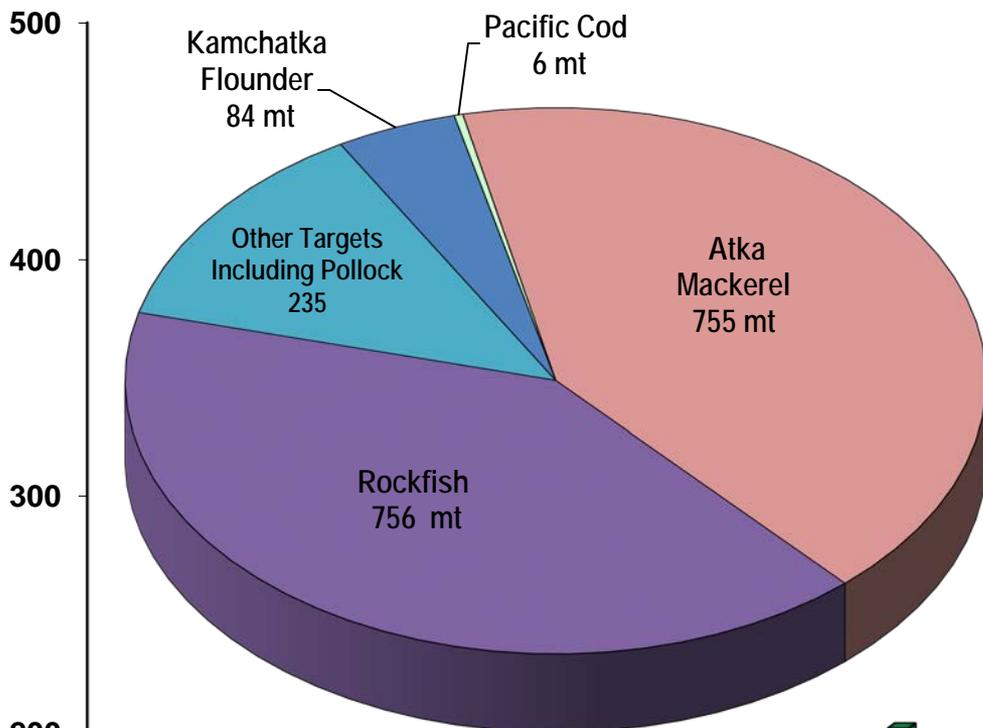
2018 Bering Sea Pollock Catch by Week and Sector

2018	TAC (mt)	Catch (mt)	%
Inshore *	597,359	597,092	100%
Catcher/Processor *	477,888	477,747	100%
Mothership *	119,472	119,403	100%
CDQ *	138,344	138,271	100%
Incidental Catch*	45,388	44,600	98%
TOTAL	1,378,441	1,377,113	100%

- Bering Sea Inshore
- Bering Sea Catcher/Processor
- Bering Sea Mothership
- Bering Sea CDQ
- Bering Sea ICA



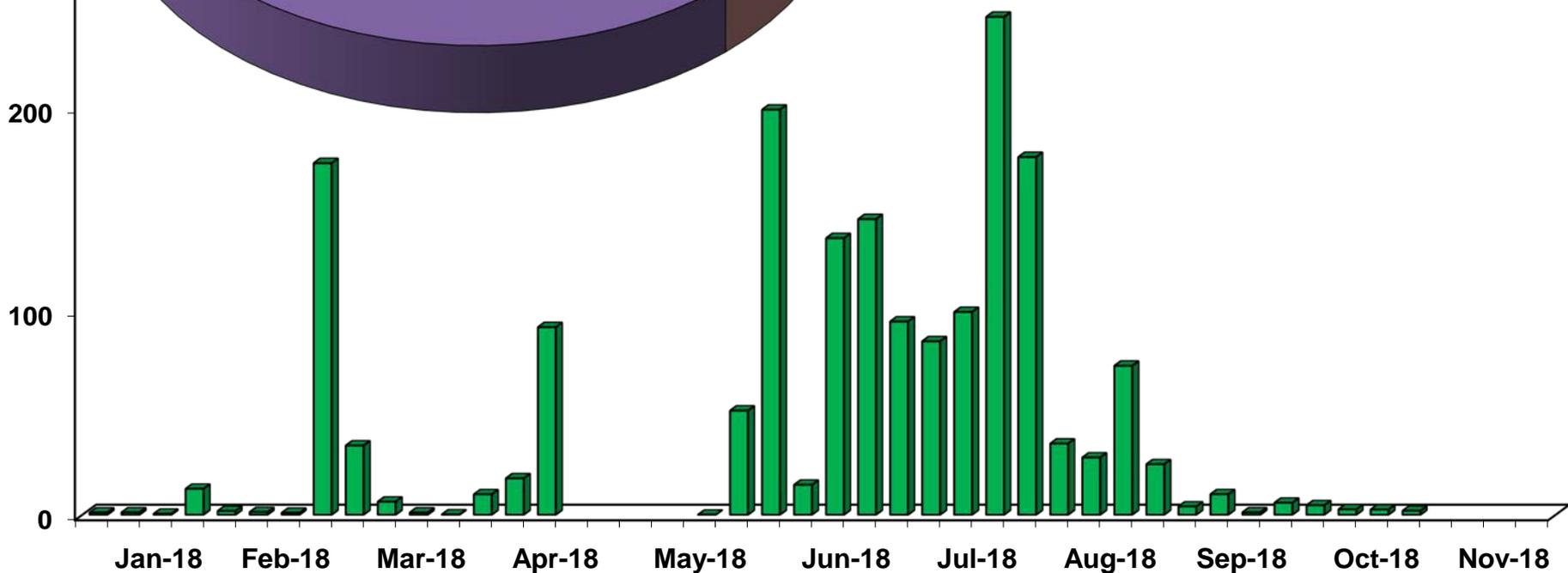
2018 Aleutian Islands Pollock Catch by Week and Sector



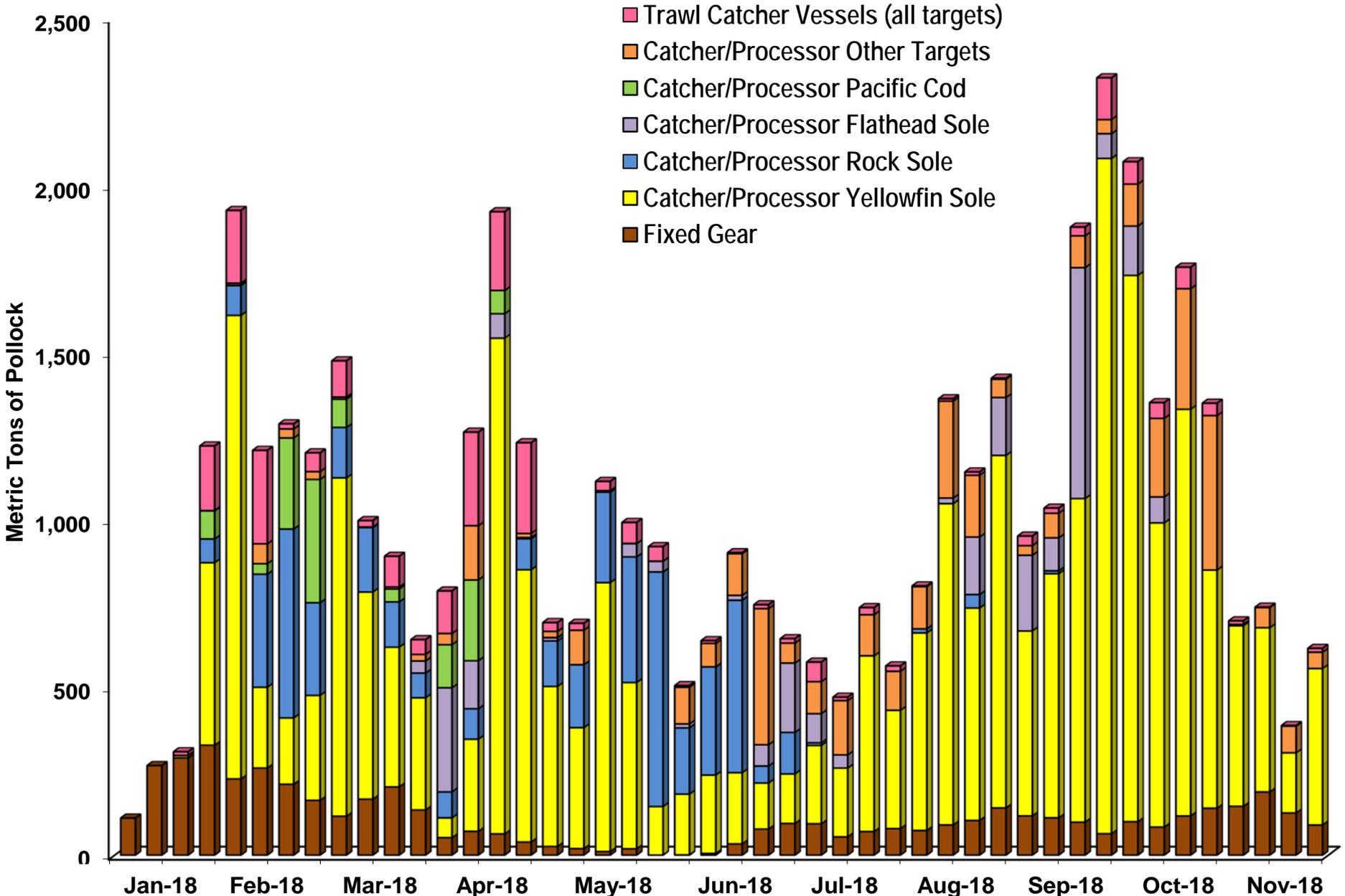
2018	TAC (mt)	Catch (mt)	%
Pollock *	2,500	188	8%
Pollock CDQ *	0	0	0%
Pollock ICA	2,400	1,619	67%
TOTAL	4,900	1,807	37%

* Reallocated 14,100 metric tons of pollock from Aleutian Islands

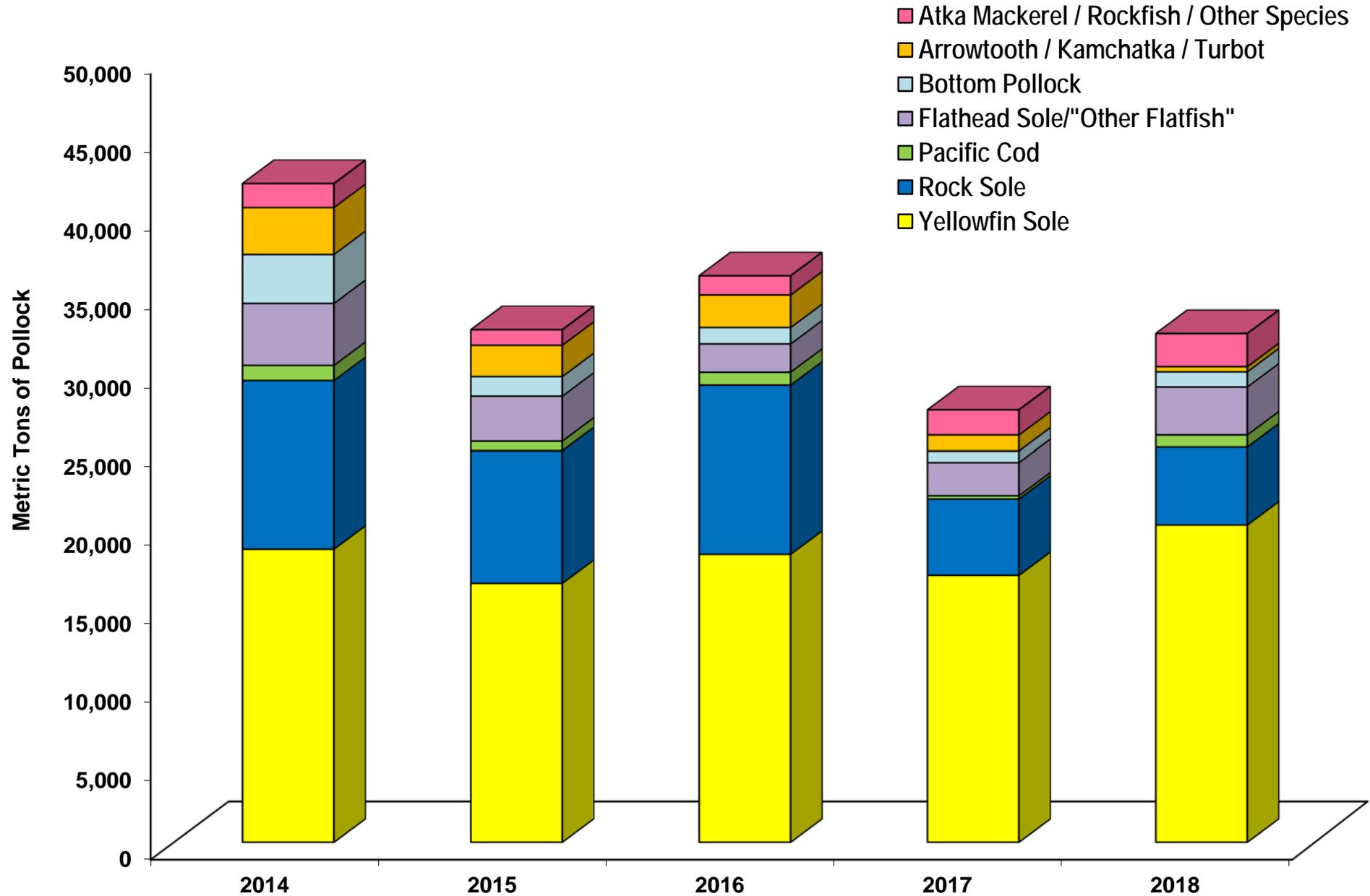
Metric Tons of Pollock



2018 Bering Sea Pollock ICA Catch by Week and Sector

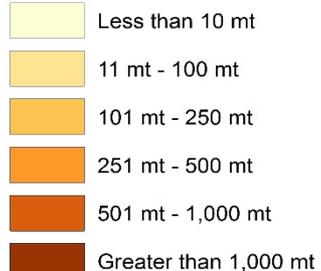


2014-2018 Trawl Catcher/Processor Incidental Catch of Pollock by Year and Target



2018 Pacific Cod Catch by Trawl Gear

2018 BSAI Pacific Cod (Trawl Gear)

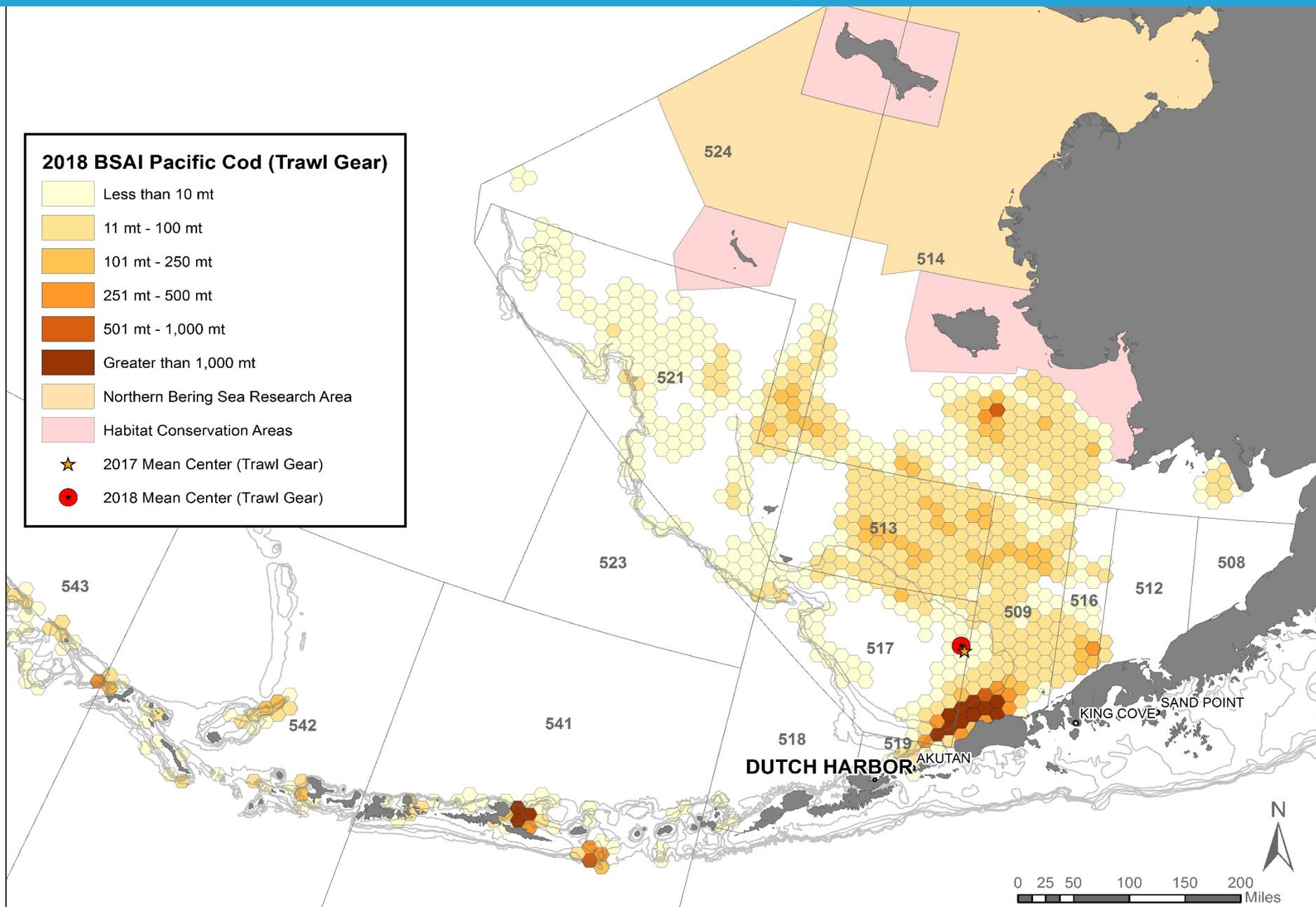


Northern Bering Sea Research Area

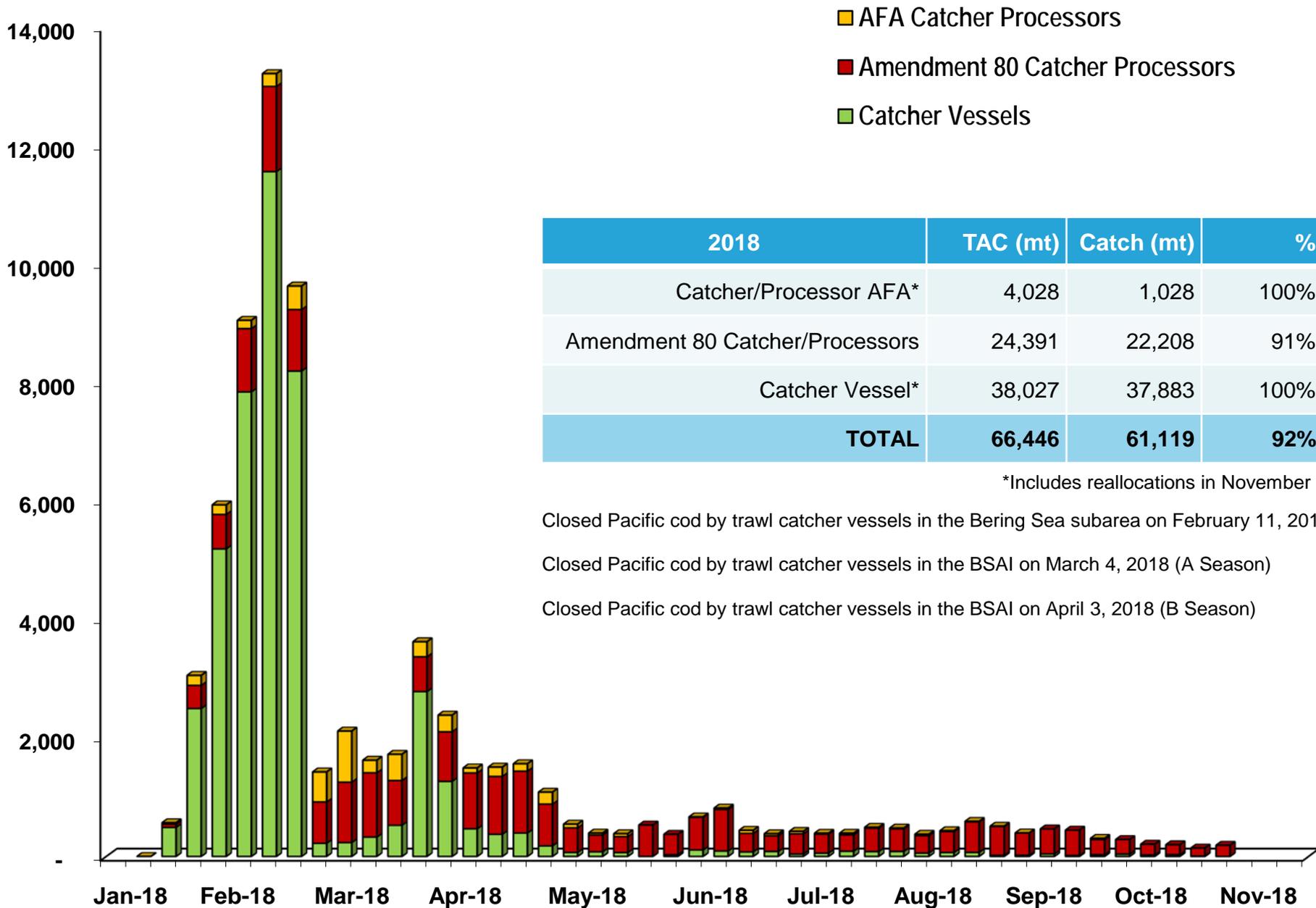
Habitat Conservation Areas

★ 2017 Mean Center (Trawl Gear)

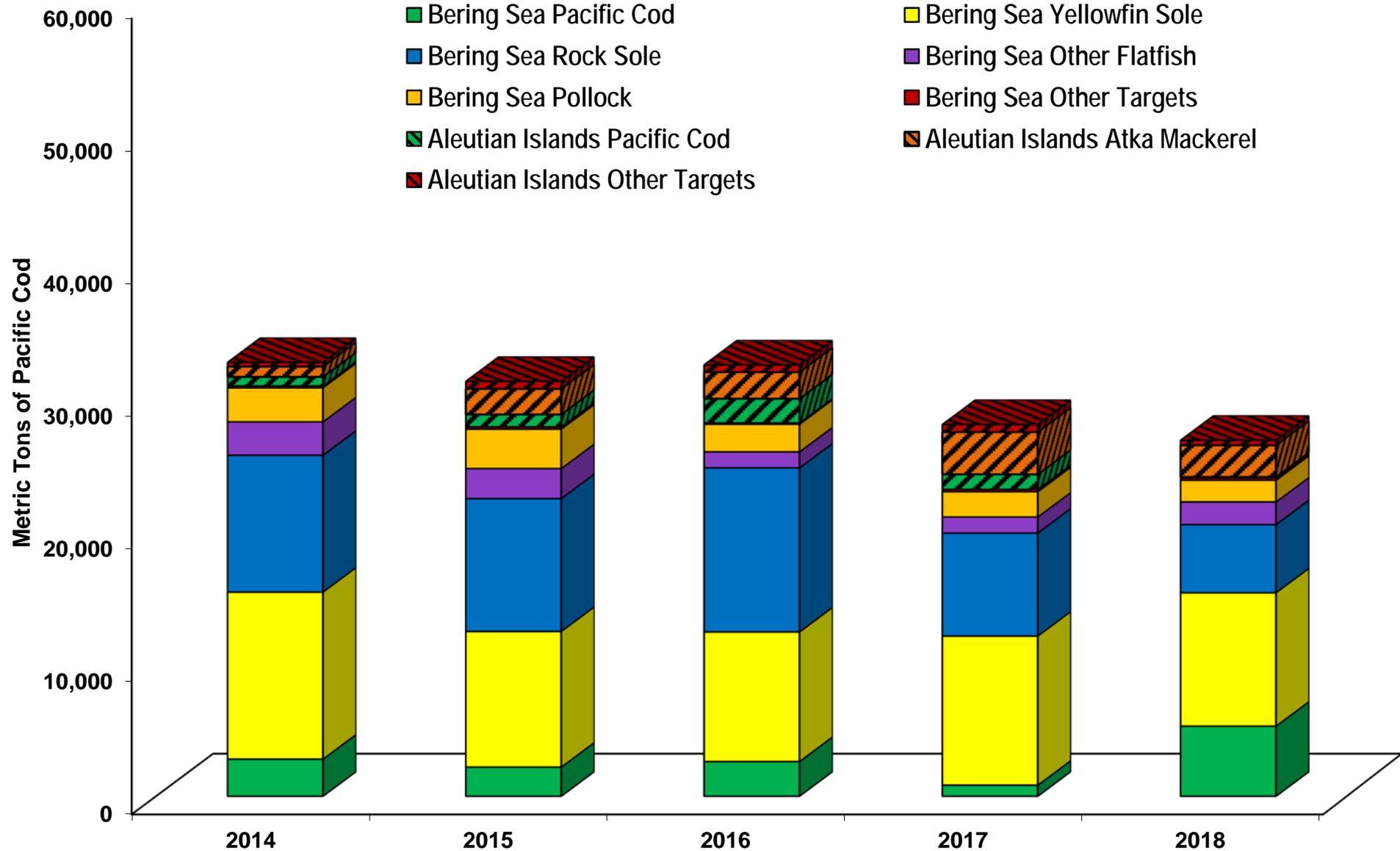
● 2018 Mean Center (Trawl Gear)



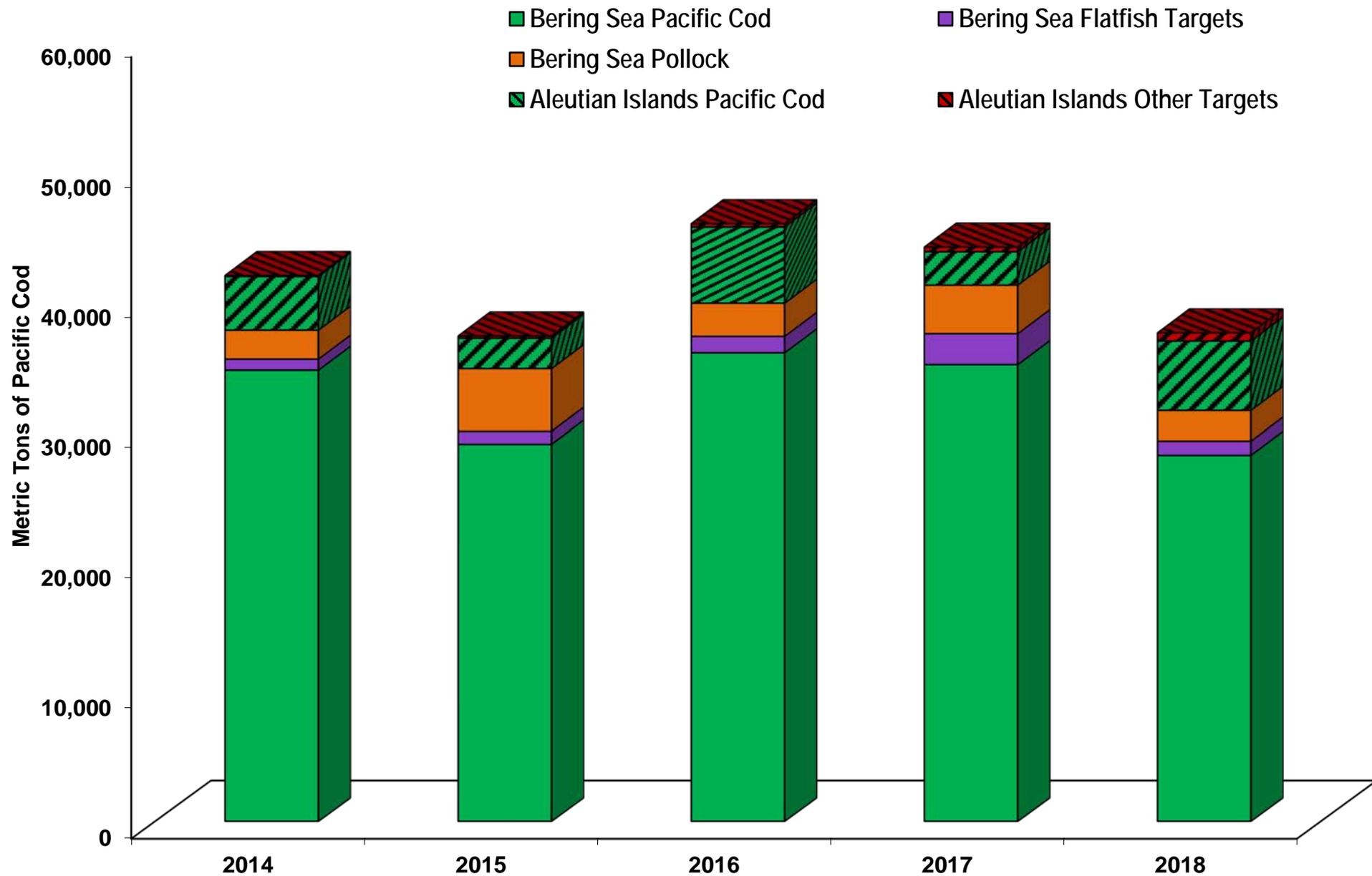
2018 BSAI Trawl Pacific Cod Catch



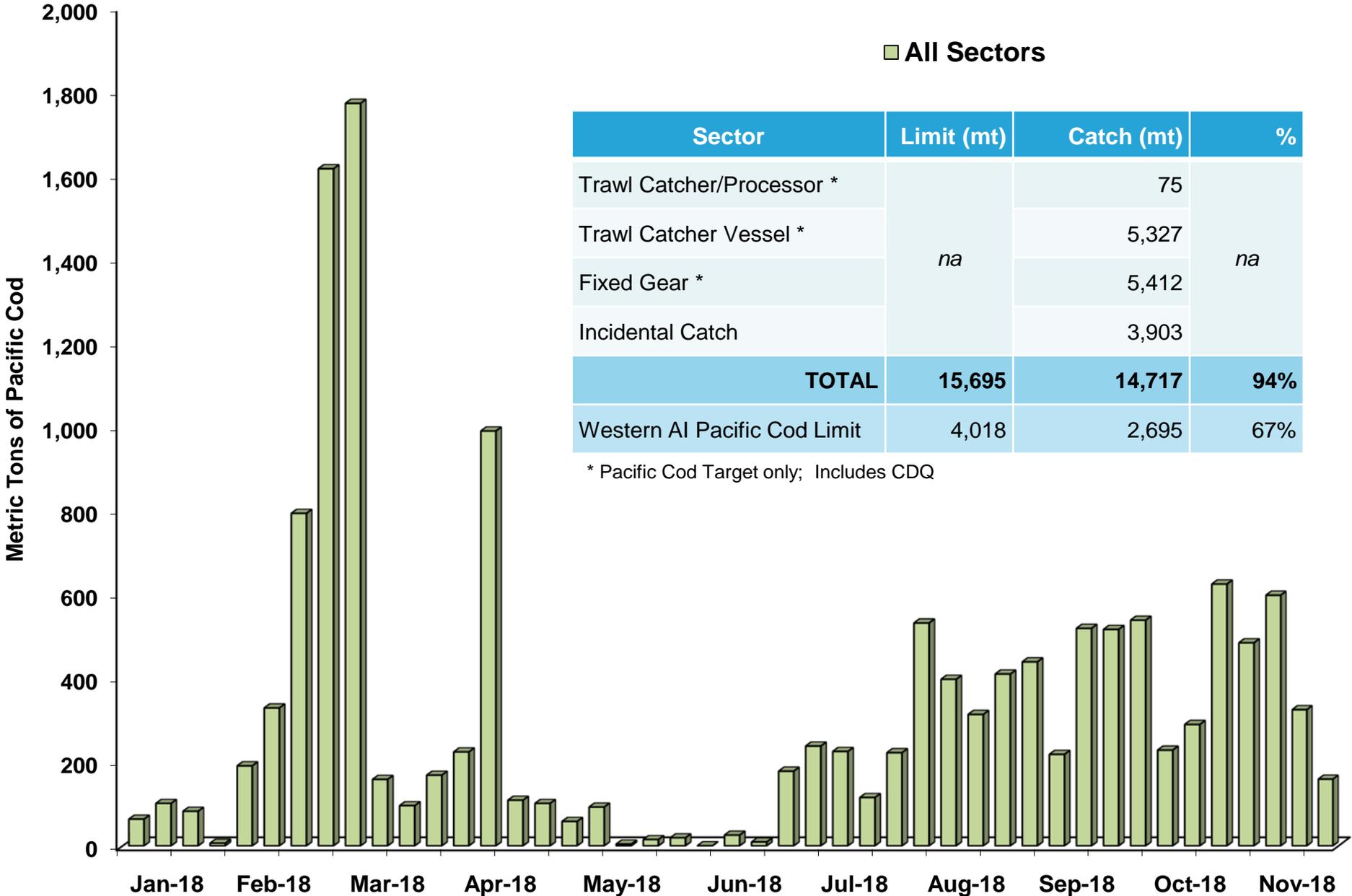
2014-2018 BSAI Trawl Catcher/Processor Pacific Cod Catch by Target



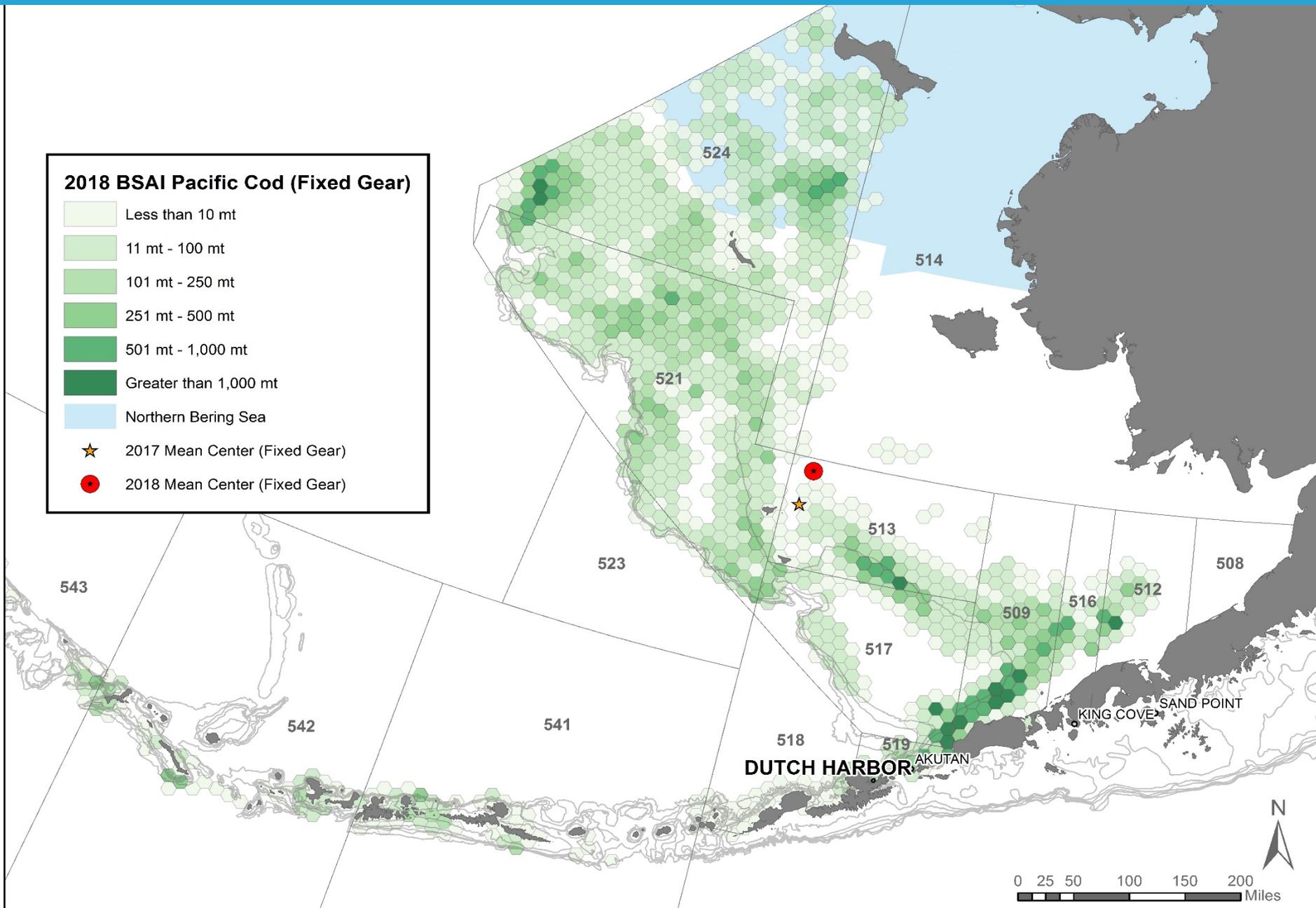
2014-2018 BSAI Trawl Catcher Vessel Pacific Cod Catch by Target



2018 Aleutian Islands Pacific Cod Catch by Sector



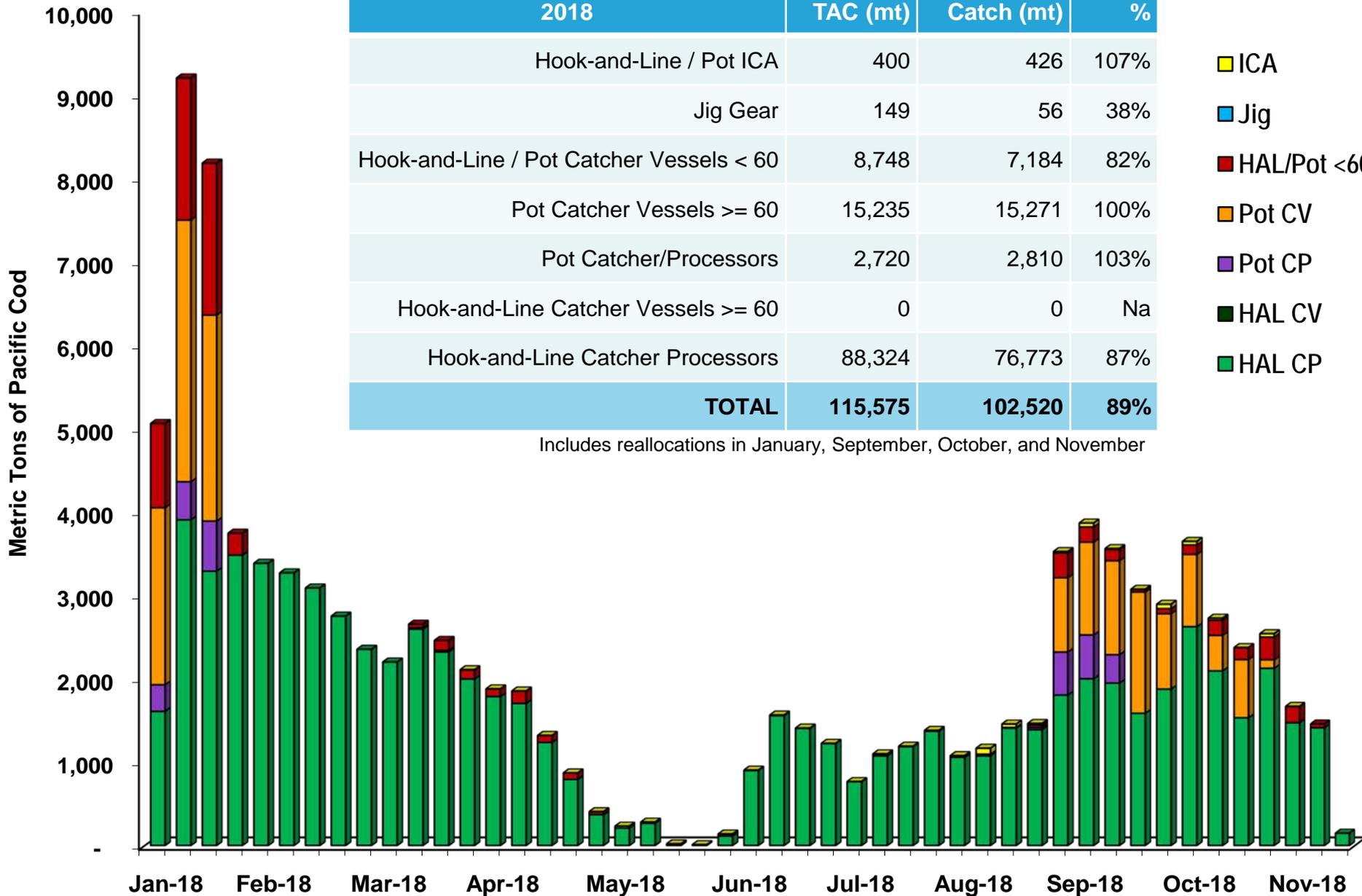
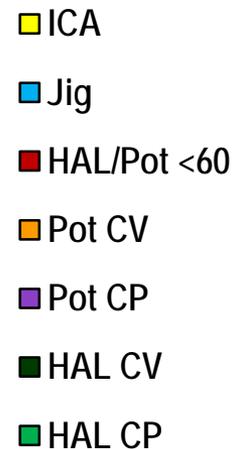
2018 Pacific Cod Catch by Non-Trawl Gear



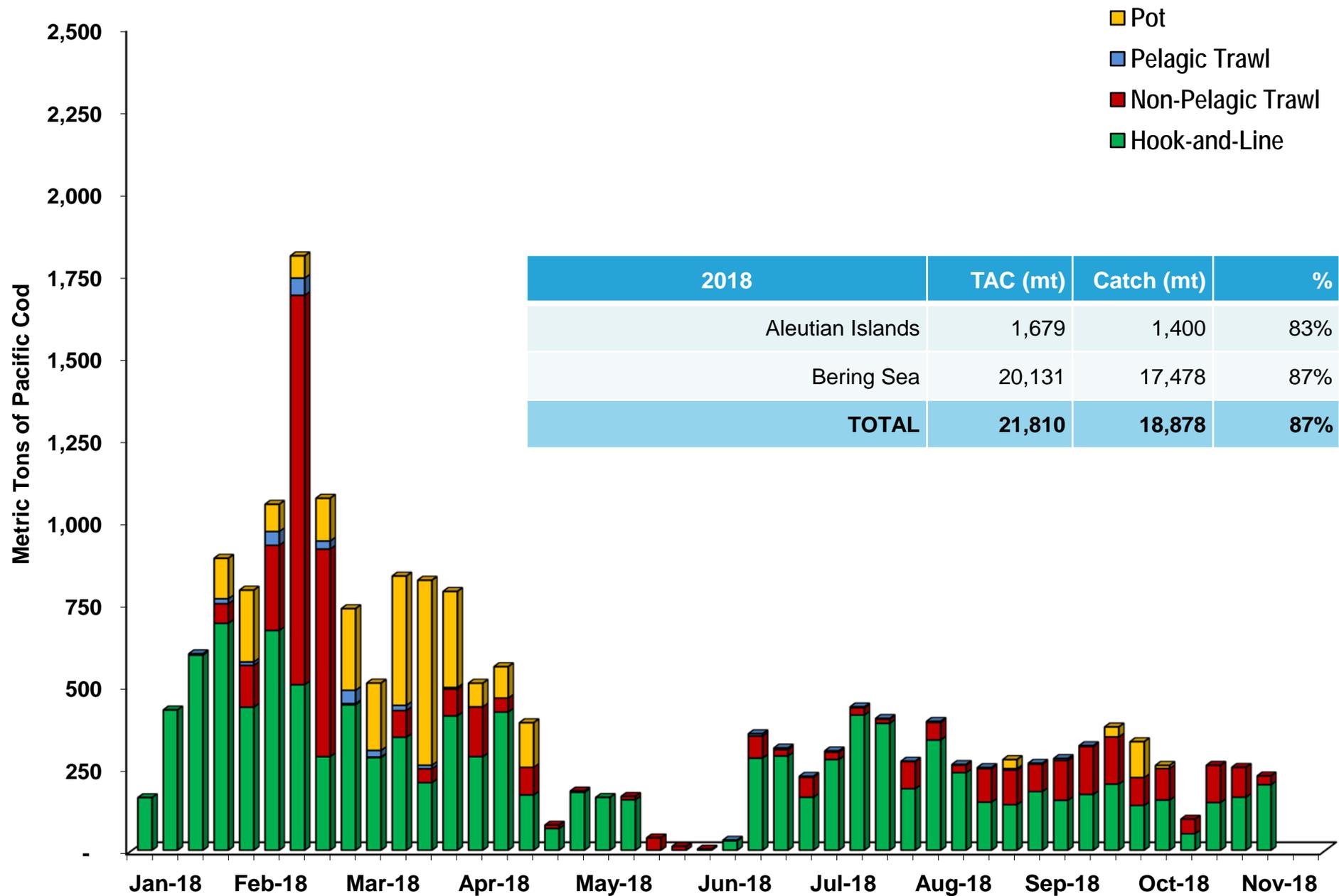
2018 BSAI Non-Trawl Pacific Cod Catch

2018	TAC (mt)	Catch (mt)	%
Hook-and-Line / Pot ICA	400	426	107%
Jig Gear	149	56	38%
Hook-and-Line / Pot Catcher Vessels < 60	8,748	7,184	82%
Pot Catcher Vessels >= 60	15,235	15,271	100%
Pot Catcher/Processors	2,720	2,810	103%
Hook-and-Line Catcher Vessels >= 60	0	0	Na
Hook-and-Line Catcher Processors	88,324	76,773	87%
TOTAL	115,575	102,520	89%

Includes reallocations in January, September, October, and November



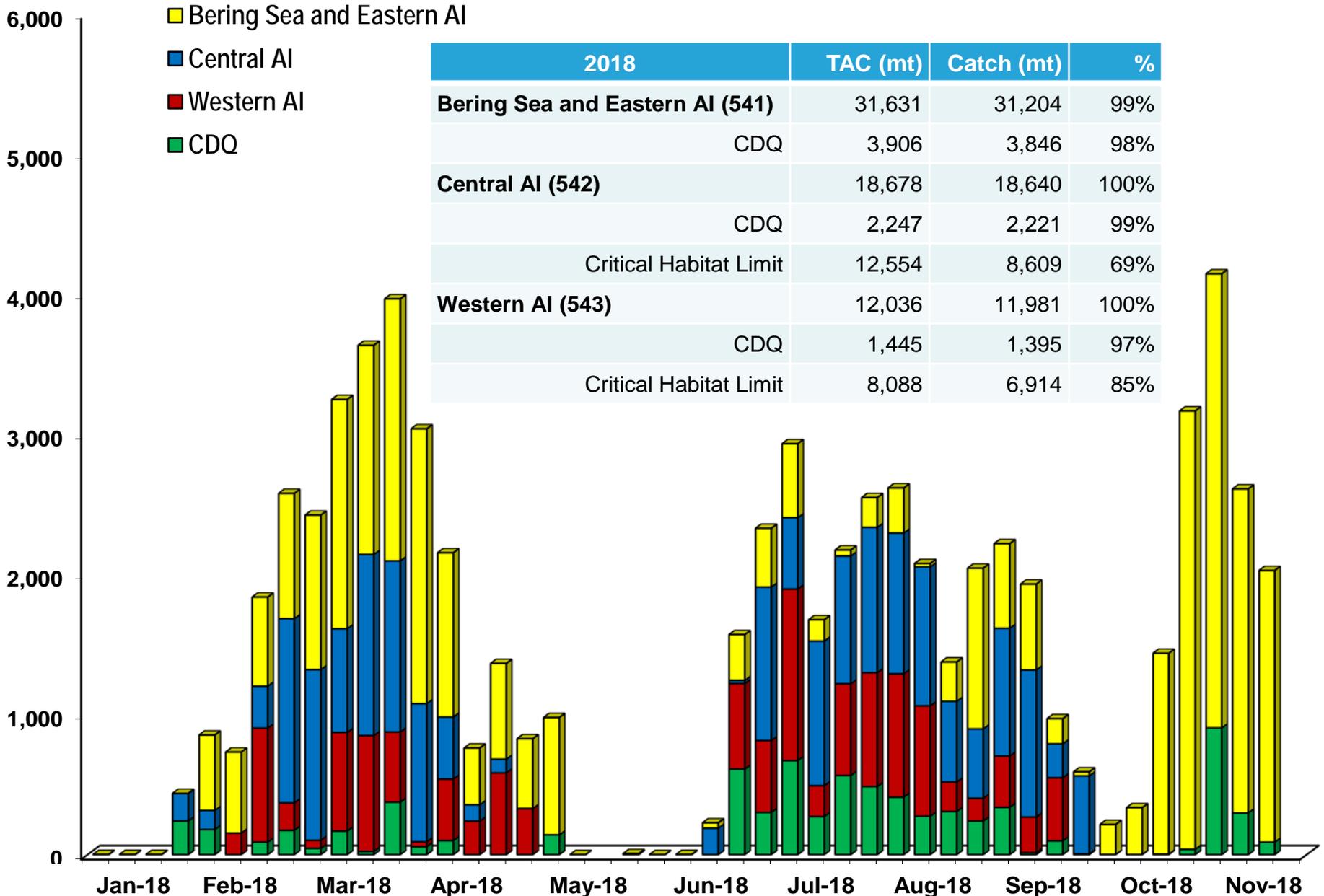
2018 CDQ Pacific Cod Catch



2018 Pacific Cod Apportionments and Catch in the BSAI

Fishery Component	TAC (mt)	Reallocations	Revised TAC	Catch (mt)	%
Hook-and-Line Gear					
Catcher/Processors	88,324	0	88,324	76,773	87%
Catcher Vessels >= 60 Feet	363	- 363	0	0	0%
Pot Gear					
Catcher/Processors	2,720	0	2,720	2,810	103%
Catcher Vessels >= 60 Feet	15,235	0	15,235	15,271	100%
Hook-and-Line and Pot Gear					
Catcher Vessels < 60 feet	3,627	+ 5,121	8,748	7,184	82%
Trawl Gear					
AFA Catcher/Processors	4,186	- 158	4,028	4,028	100%
A80 Catcher/Processors	24,391	0	24,391	22,208	91%
Catcher Vessels	40,227	- 2,200	38,027	37,883	100%
Jig Gear	2,549	- 2,400	149	56	38%
CDQ					
Aleutian Islands	1,679	0	1,679	1,400	83%
Bering Sea	20,131	0	20,131	17,478	87%
Hook-and-Line / Pot Gear ICA	400	0	400	426	107%
TOTAL	203,831	0	203,831	185,517	91%

2018 Atka Mackerel Catch by Week and Area

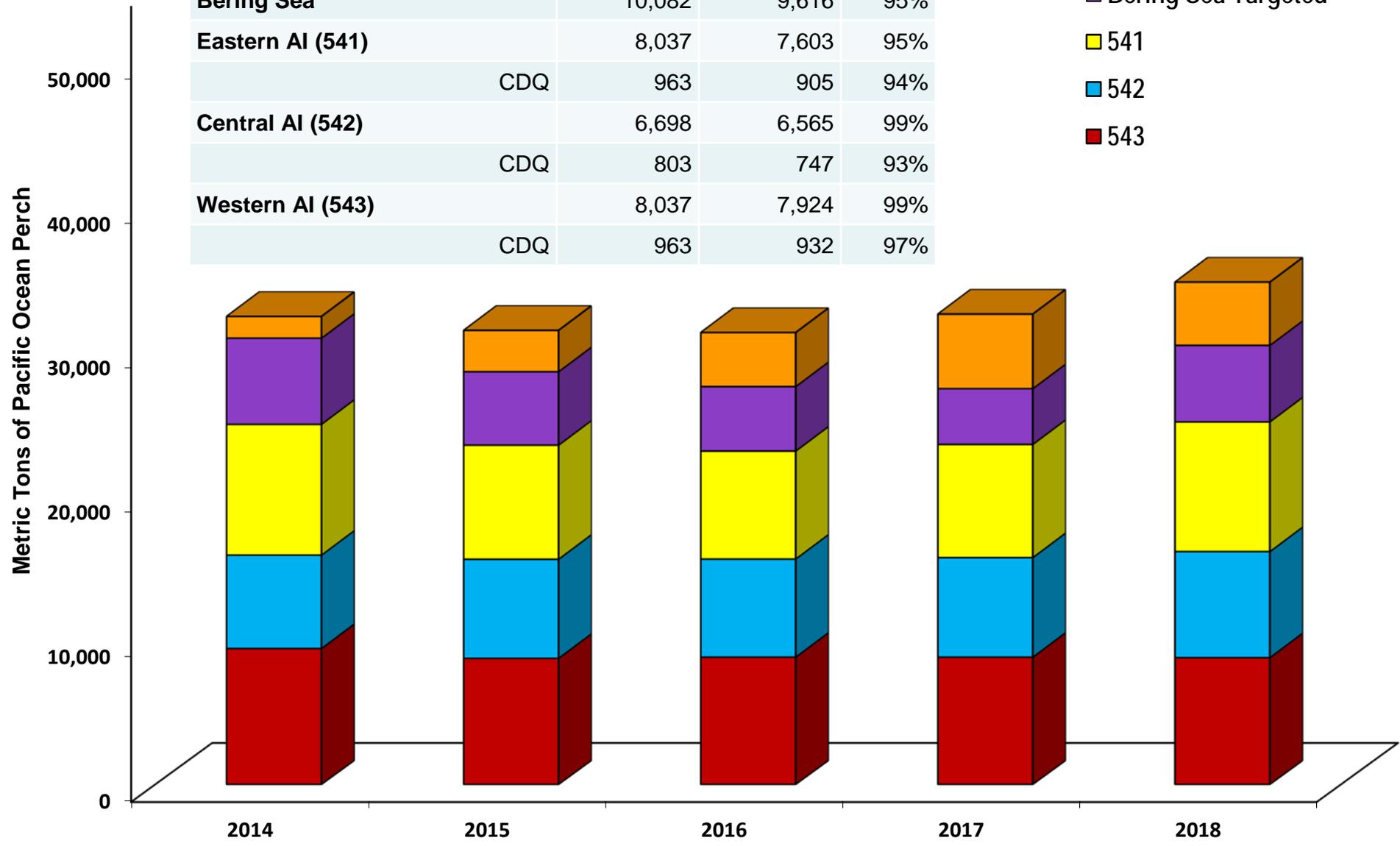


2018	TAC (mt)	Catch (mt)	%
Bering Sea and Eastern AI (541)	31,631	31,204	99%
CDQ	3,906	3,846	98%
Central AI (542)	18,678	18,640	100%
CDQ	2,247	2,221	99%
Critical Habitat Limit	12,554	8,609	69%
Western AI (543)	12,036	11,981	100%
CDQ	1,445	1,395	97%
Critical Habitat Limit	8,088	6,914	85%

2018 Pacific Ocean Perch Catch by Area

2018		TAC (mt)	Catch (mt)	%
Bering Sea		10,082	9,616	95%
Eastern AI (541)		8,037	7,603	95%
	CDQ	963	905	94%
Central AI (542)		6,698	6,565	99%
	CDQ	803	747	93%
Western AI (543)		8,037	7,924	99%
	CDQ	963	932	97%

- Bering Sea Incidental
- Bering Sea Targeted
- 541
- 542
- 543

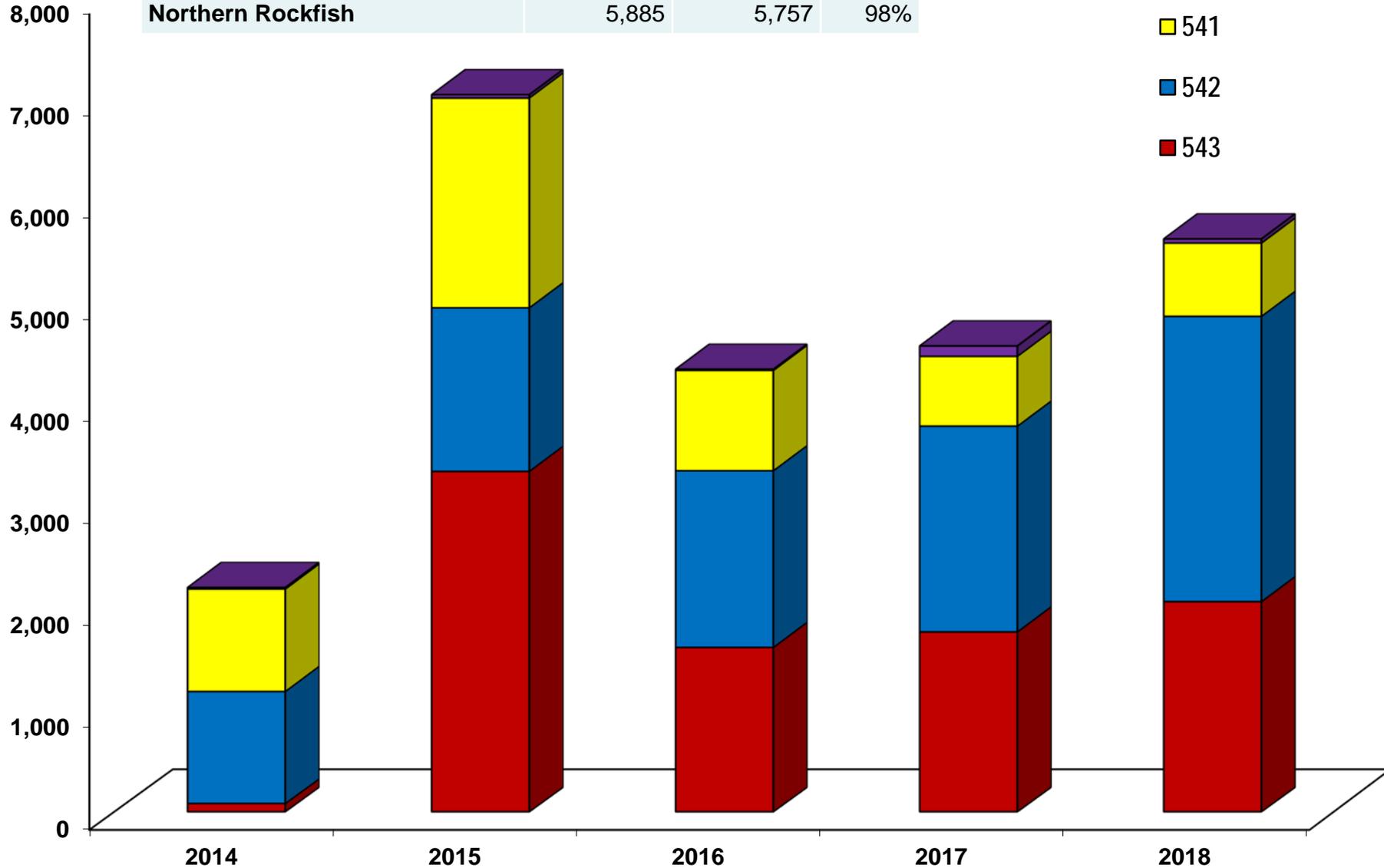


2018 Northern Rockfish Catch by Area

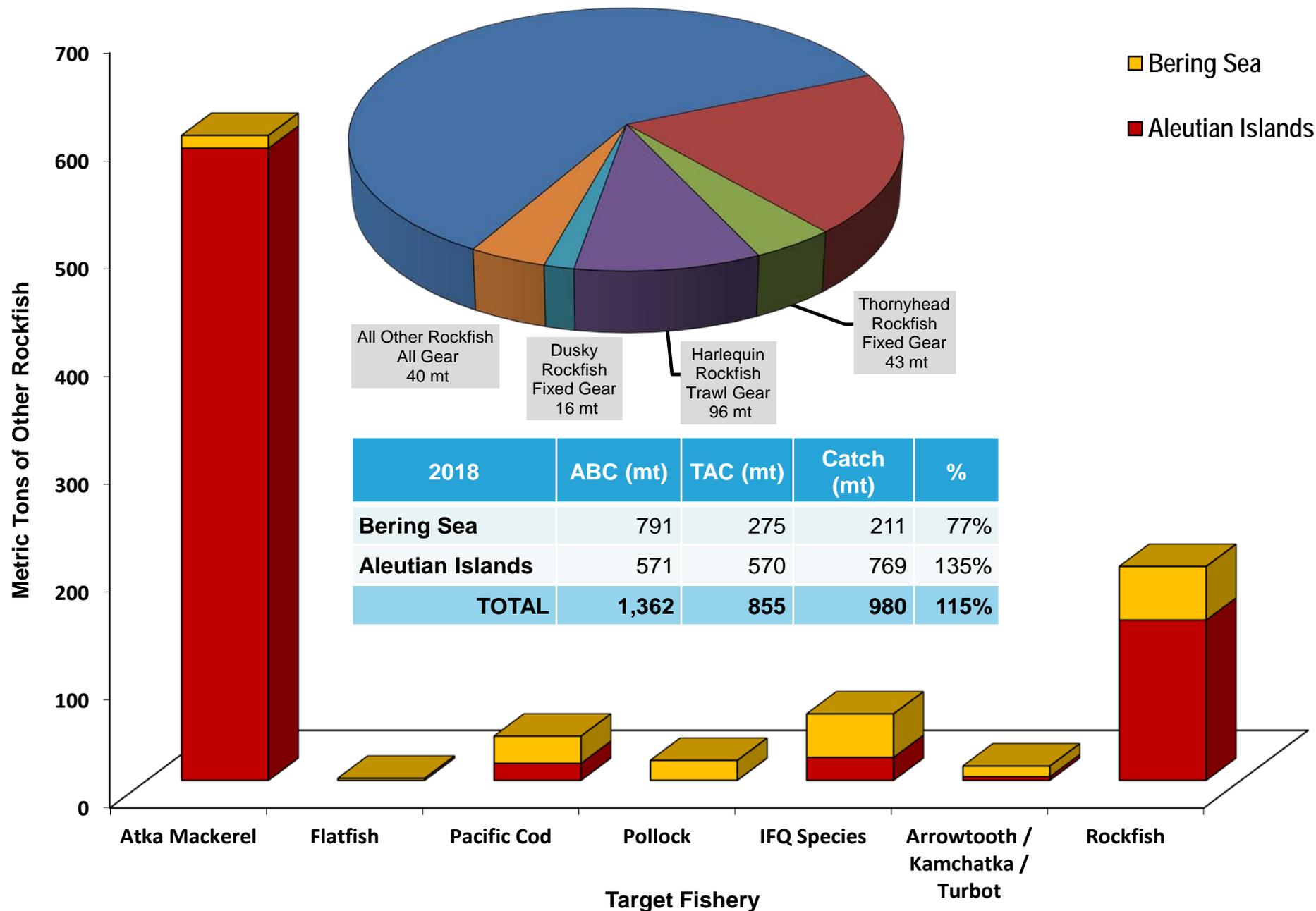
2018	TAC (mt)	Catch (mt)	%
Northern Rockfish	5,885	5,757	98%

- Bering Sea
- 541
- 542
- 543

Metric Tons of Northern Rockfish



2018 BSAI Other Rockfish Catch



2018 BSAI Blackspotted / Rougheye Rockfish Catch

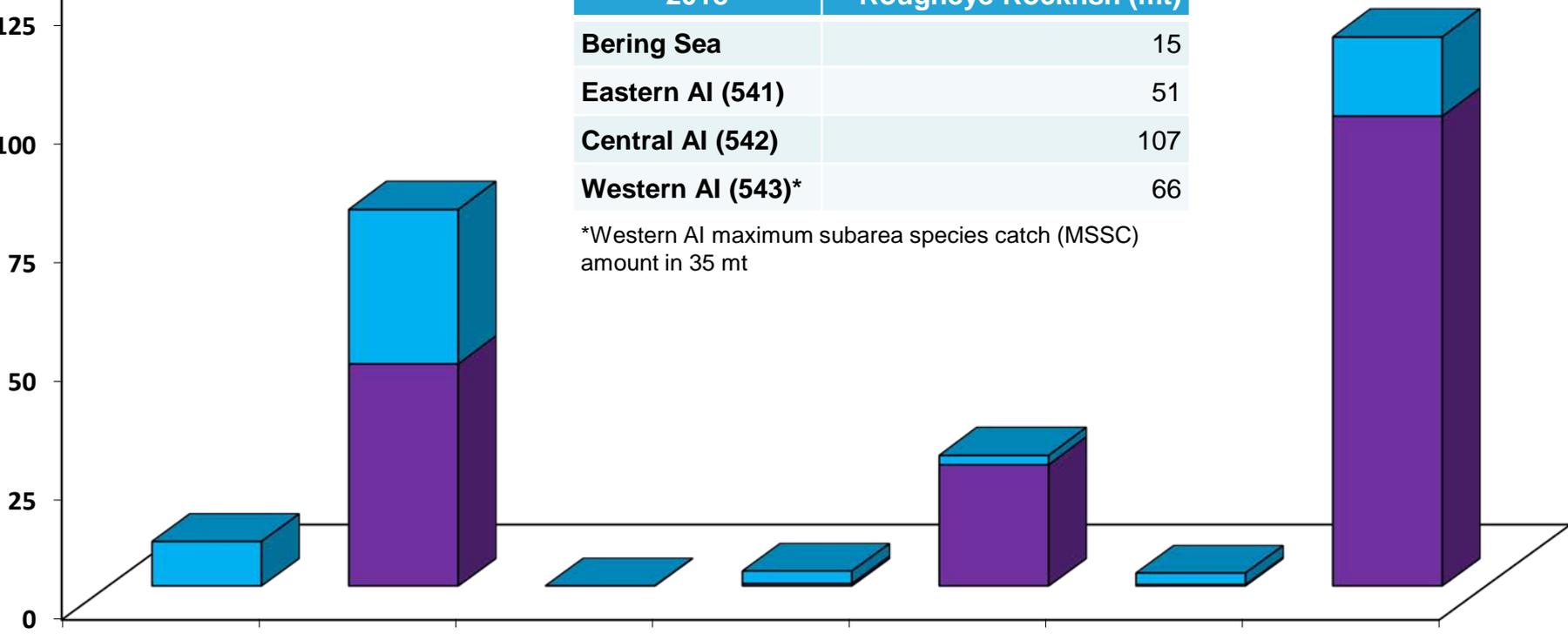
2018	ABC (mt)	TAC (mt)	Catch (mt)	%
BS / EAI Rougheye Rockfish	374	75	64	85%
CAI / WAI Rougheye Rockfish	239	178	172	97%
TOTAL	613	253	236	93%

- BS / EAI Rougheye Rockfish
- CAI / WAI Rougheye Rockfish

2018	Rougheye Rockfish (mt)
Bering Sea	15
Eastern AI (541)	51
Central AI (542)	107
Western AI (543)*	66

*Western AI maximum subarea species catch (MSSC) amount in 35 mt

Metric Tons of Rougheye Rockfish



Arrowtooth/
Kamchatka /
Turbot

Atka Mackerel

Flatfish

IFQ Species

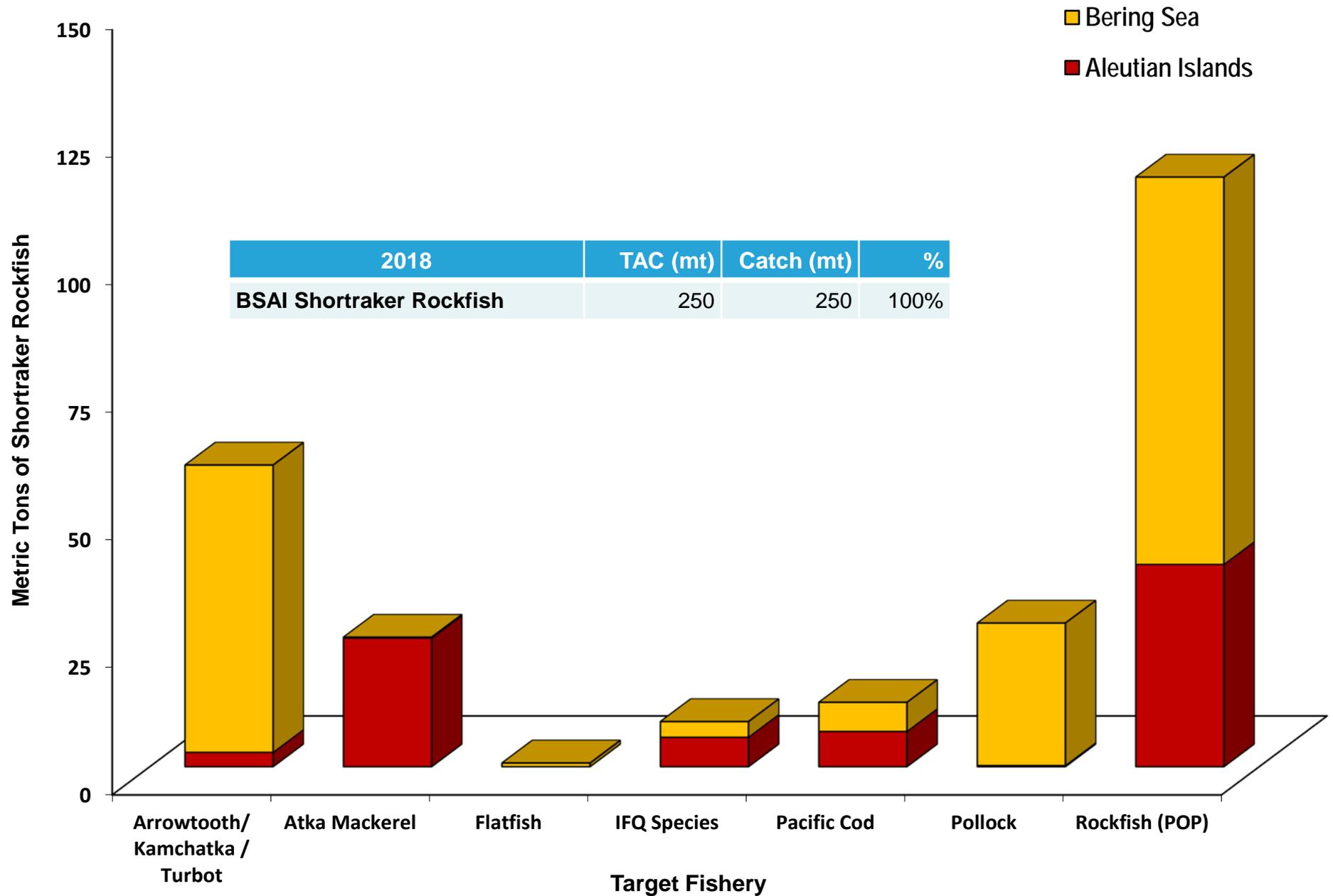
Pacific Cod

Pollock

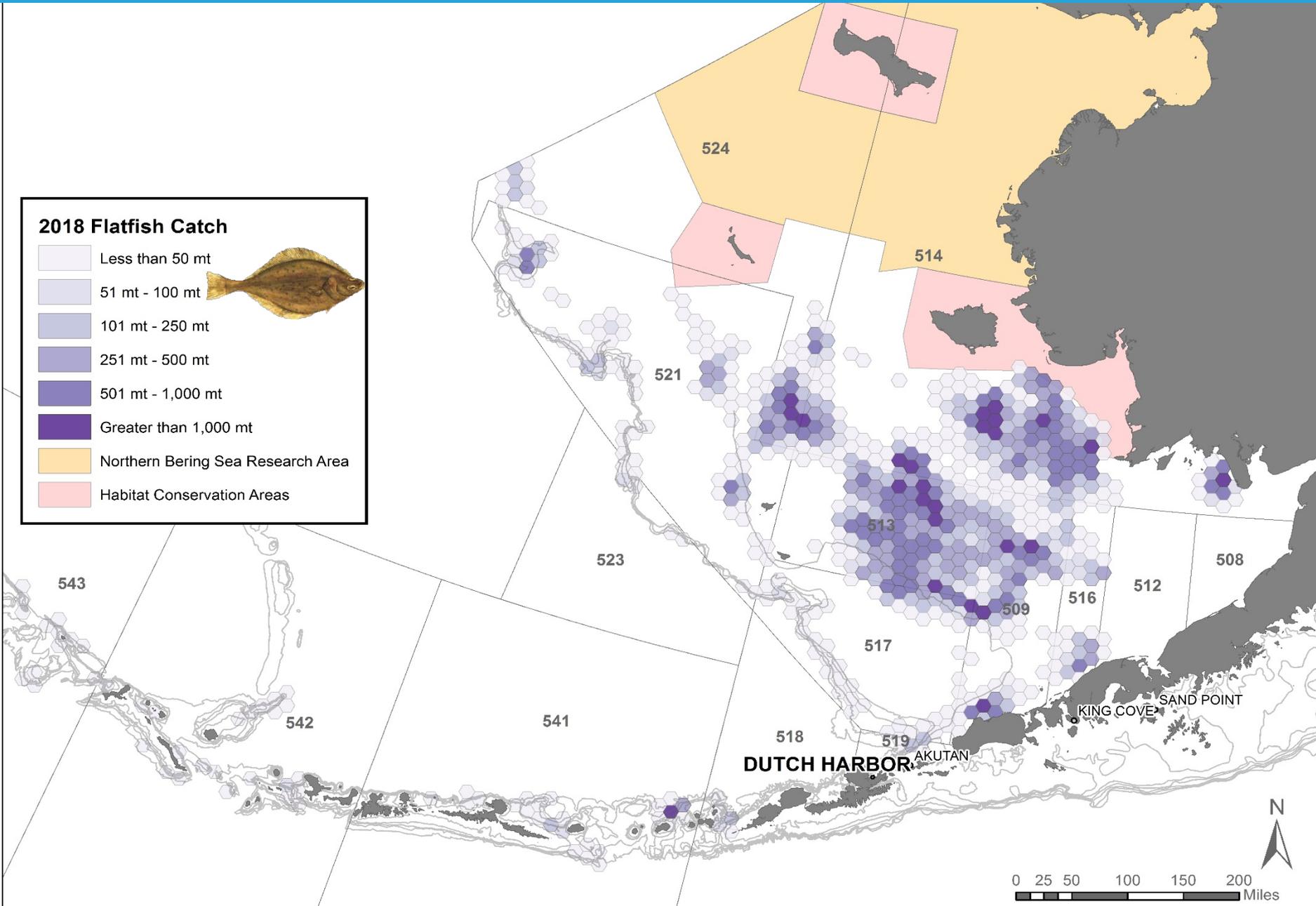
Rockfish (POP)

Target Fishery

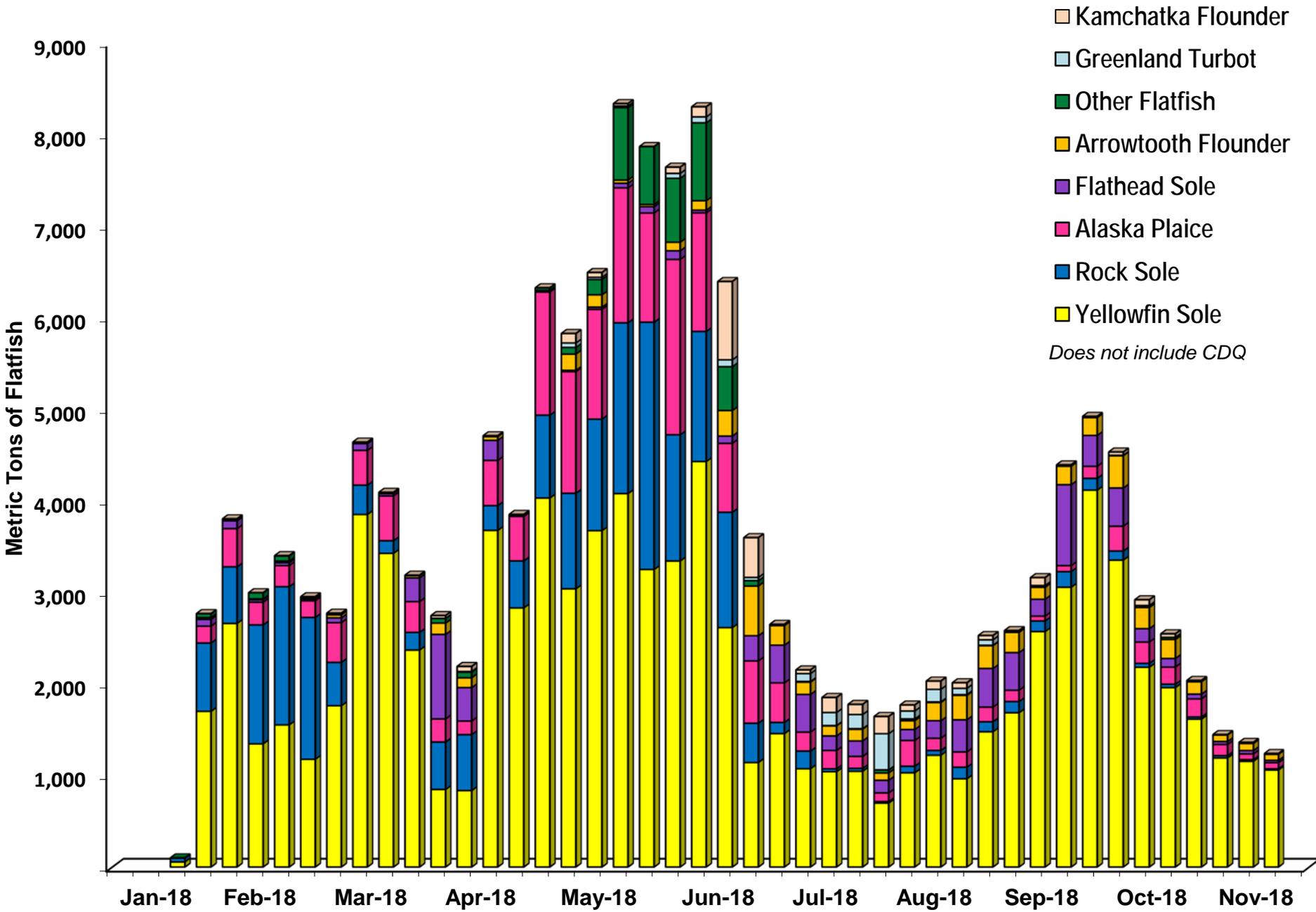
2018 BSAI Shortraker Rockfish Catch



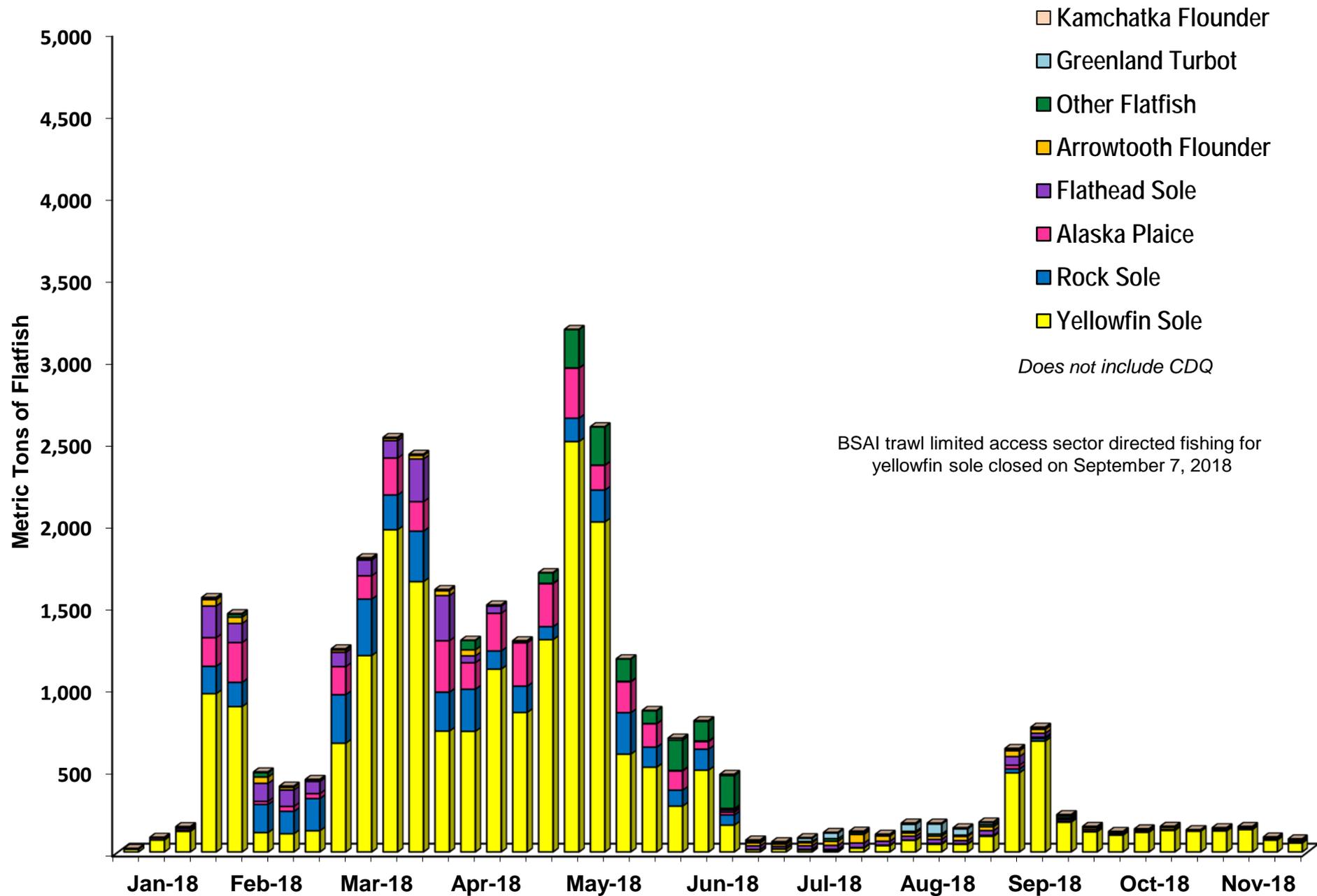
2018 Amendment 80 Flatfish Catch



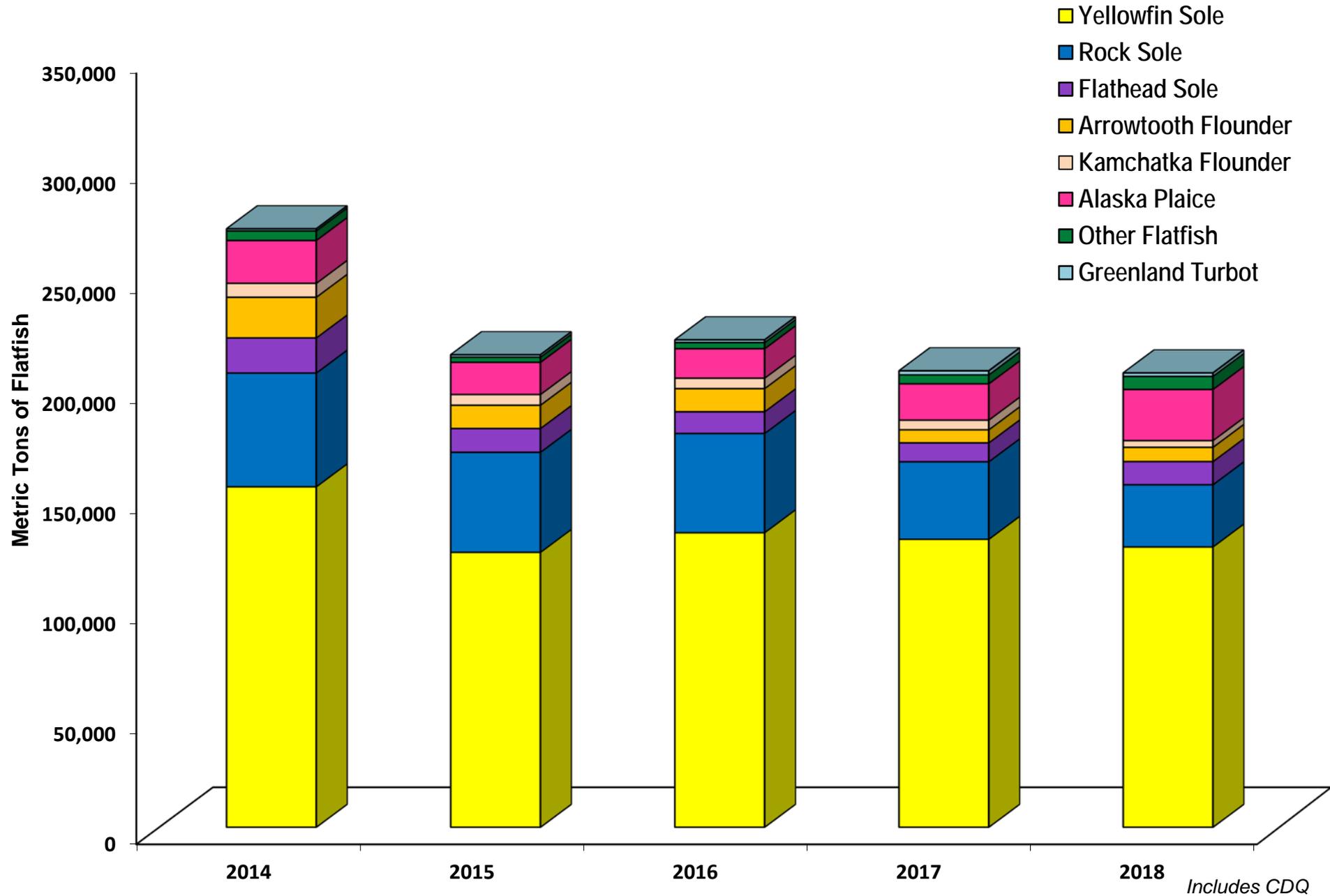
2018 BSAI Flatfish Catch by Amendment 80 Catcher/Processors



2018 BSAI Flatfish Catch by Non-Amendment 80 Vessels



2014-2018 BSAI Trawl Flatfish Catch by Species

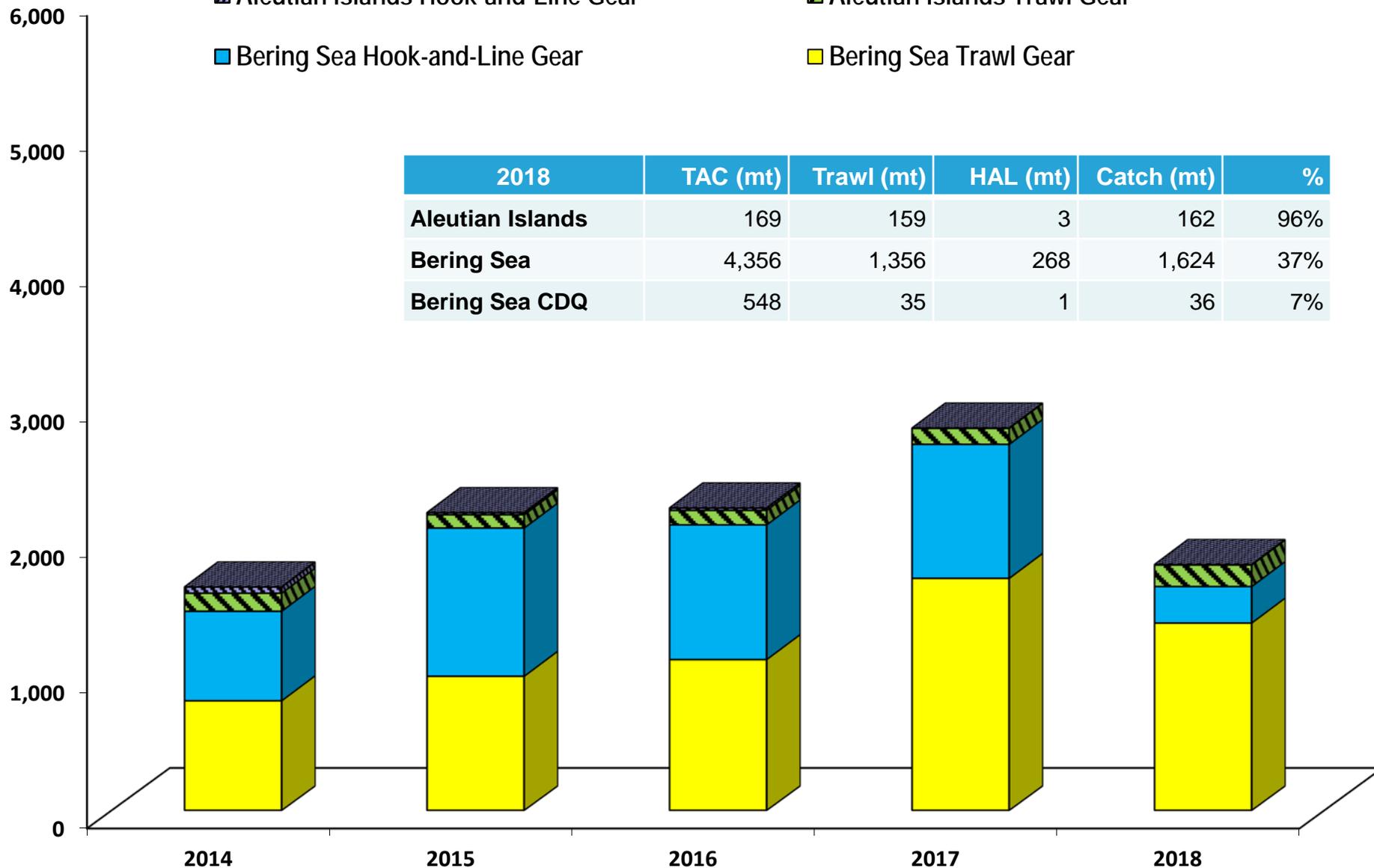


2014-2018 BSAI Greenland Turbot Catch

- ▨ Aleutian Islands Hook-and-Line Gear
- ▨ Aleutian Islands Trawl Gear
- Bering Sea Hook-and-Line Gear
- Bering Sea Trawl Gear

2018	TAC (mt)	Trawl (mt)	HAL (mt)	Catch (mt)	%
Aleutian Islands	169	159	3	162	96%
Bering Sea	4,356	1,356	268	1,624	37%
Bering Sea CDQ	548	35	1	36	7%

Metric Tons of Greenland Turbot



Includes CDQ

2014-2018 BSAI Arrowtooth / Kamchatka Flounder Catch

■ Arrowtooth / Kamchatka Flounder

In non- Arrowtooth / Kamchatka Targets

■ Arrowtooth Flounder

In Arrowtooth / Kamchatka Targets

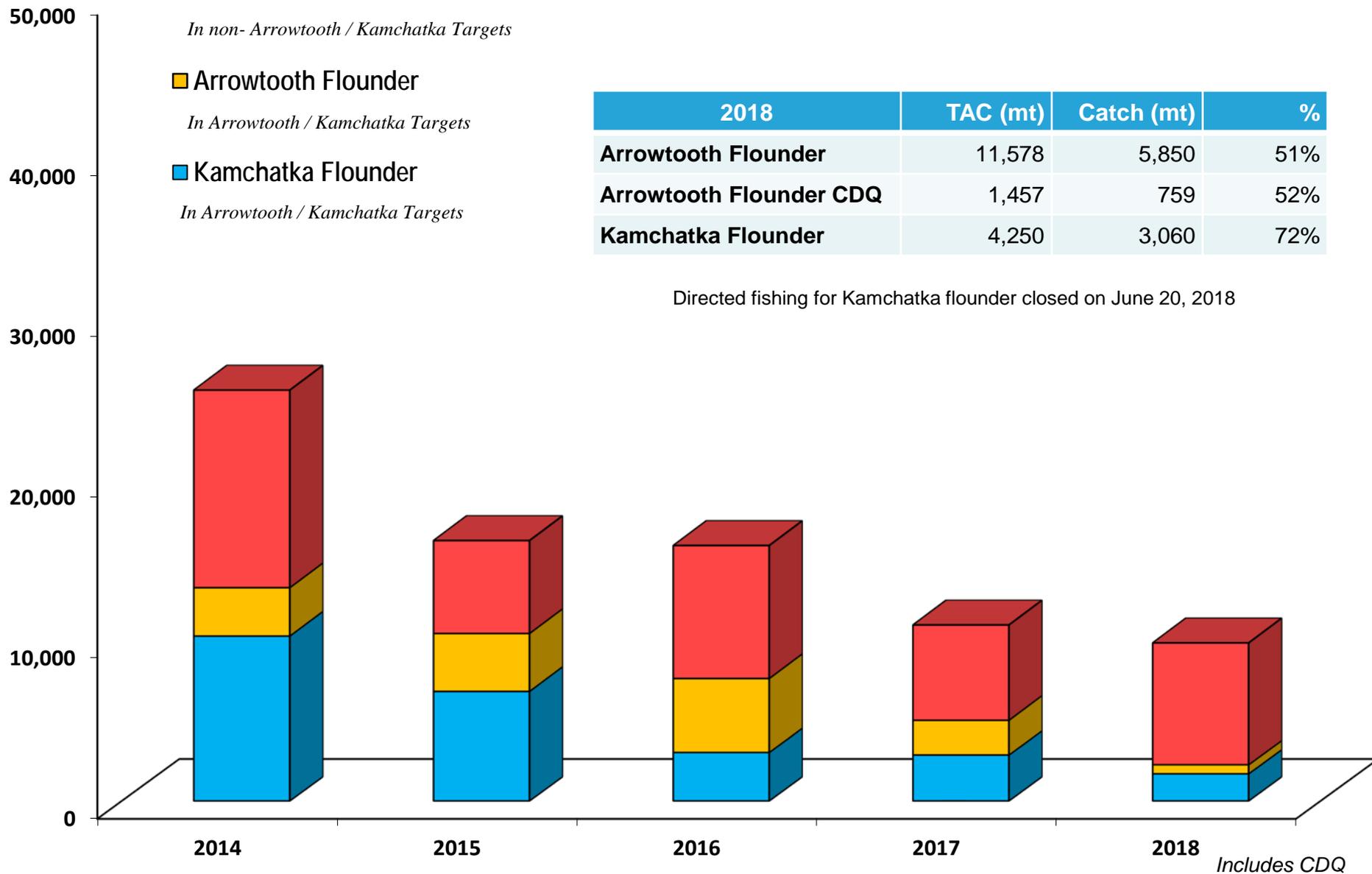
■ Kamchatka Flounder

In Arrowtooth / Kamchatka Targets

2018	TAC (mt)	Catch (mt)	%
Arrowtooth Flounder	11,578	5,850	51%
Arrowtooth Flounder CDQ	1,457	759	52%
Kamchatka Flounder	4,250	3,060	72%

Directed fishing for Kamchatka flounder closed on June 20, 2018

Metric Tons of Arrowtooth / Kamchatka Flounder



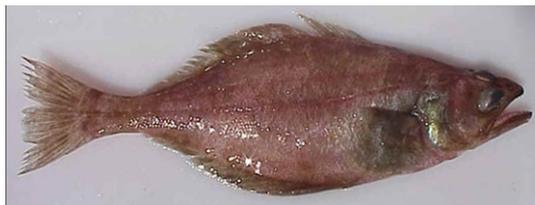
Includes CDQ

2018 Flatfish Catch in the BSAI

2018	ABC (mt)	Sector	TAC (mt)	Catch (mt)	%
Arrowtooth Flounder	65,932		11,578	5,850	51%
		CDQ	1,457	759	52%
Flathead Sole*	66,773		16,599	9,729	59%
		CDQ	1,507	966	64%
Rock Sole*	143,100		34,760	26,462	76%
		CDQ	4,540	1,773	39%
Yellowfin Sole*	277,500		141,172	113,391	80%
		CDQ	17,023	12,634	74%
Kamchatka Flounder <i>Includes CDQ</i>	9,737		4,250	3,060	72%
Alaska Plaice <i>Includes CDQ</i>	34,590		17,560	23,107	132%
"Other Flatfish" <i>Includes CDQ</i>	13,193		4,100	5,977	146%

Includes CDQ means there is no CDQ allocation for that species

** Include flatfish flexibility exchanges*



Arrowtooth Flounder



Flathead Sole



Rock Sole



Yellowfin Sole

2018 Changes in Flatfish TAC from Flatfish Exchanges

Group	Date	Flathead Sole		Rock Sole		Yellowfin Sole	
		TAC	Exchange	TAC	Exchange	TAC	Exchange
Initial	26-Feb	14,500		47,100		154,000	
ASC (1)	4-Oct	17,150	2,650	43,450	-3,650	155,000	1,000
APICDA (1)	4-Oct	17,150	0	43,200	-250	155,250	250
CVRF (1)	4-Oct	17,105	-45	42,950	-250	155,545	295
NSEDC (1)	27-Nov	17,105	0	42,550	-400	155,945	400
Total Change			2,605		-4,550		1,945

Number of Amendment 80 Catcher/Processors	
2017	19
2018	19

Number of Motherships (non-pollock)	
2017	10
2018	10

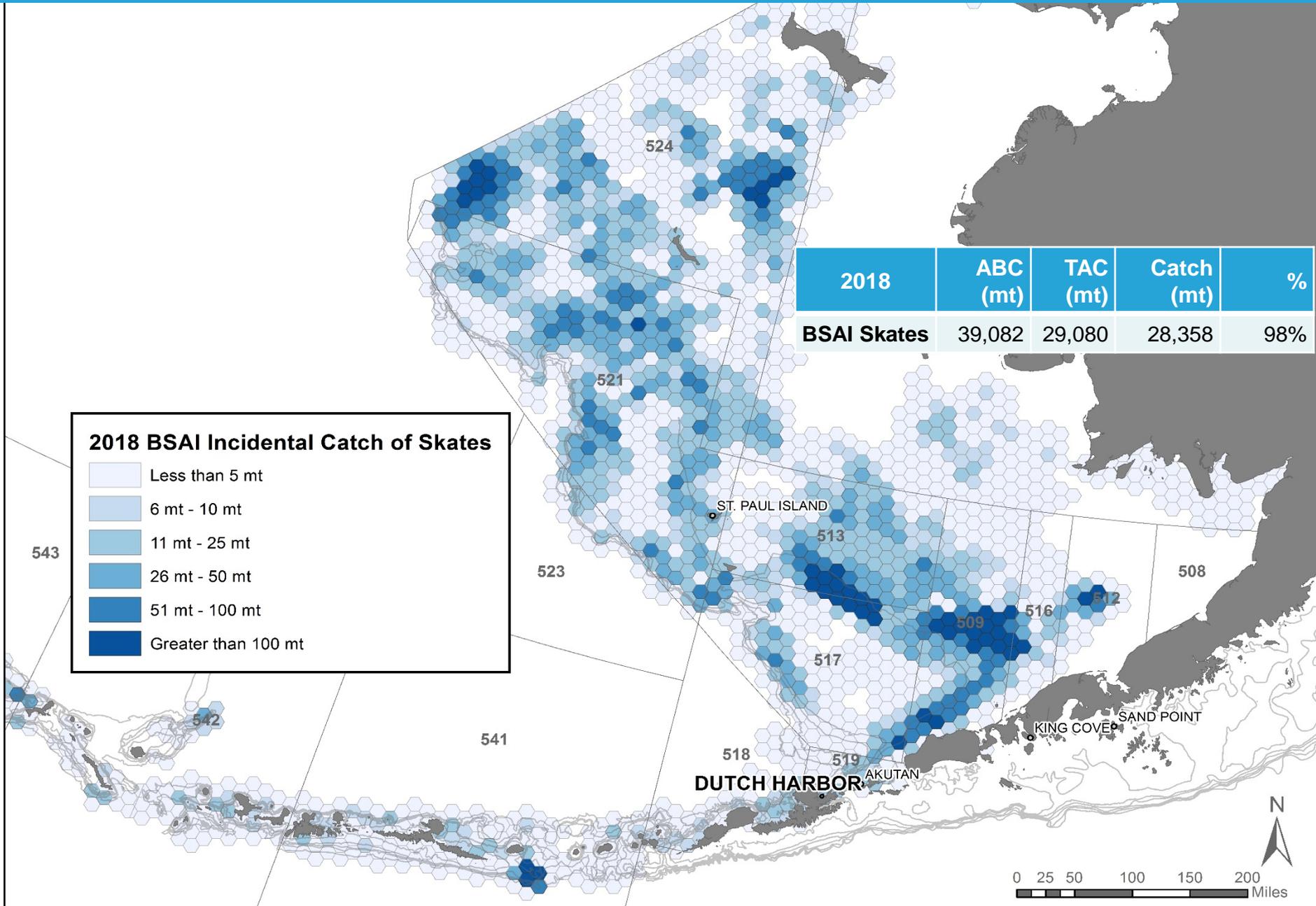
Number of CVs delivering to Motherships (non-pollock)	
2017	12
2018	12

2018 CDQ Inter-Group Transfers



Species	# of Transfers	Weight	Count
Arrowtooth Flounder	5	286	n/a
Atka Mackerel	5	604	n/a
Flathead Sole	5	383	n/a
Greenland Turbot	1	42	n/a
Pacific Cod	13	1,383	n/a
Pacific Ocean Perch	4	218	n/a
Pollock	3	11,002	n/a
Rock Sole	8	1,385	n/a
Sablefish	3	7	n/a
Yellowfin Sole	6	4,203	n/a
Crab Species	6	n/a	115,150
Halibut	7	31	n/a
TOTAL	66	19,554	115,150

2018 Skates Catch



2018 BSAI Sharks, Octopus, and Squids

2018 <i>(all weights in mt)</i>	Salmon Sharks	Sleeper Sharks	Spiny Dogfish	Other Sharks	Octopus
Hook-and-Line	< 1	15	7	< 1	30
Non-Pelagic Trawl	3	11	< 1	<1	23
Pelagic Trawl	47	14	< 1	1	5
Pot	0	< 1	0	0	216
Total	51	40	6	1	274

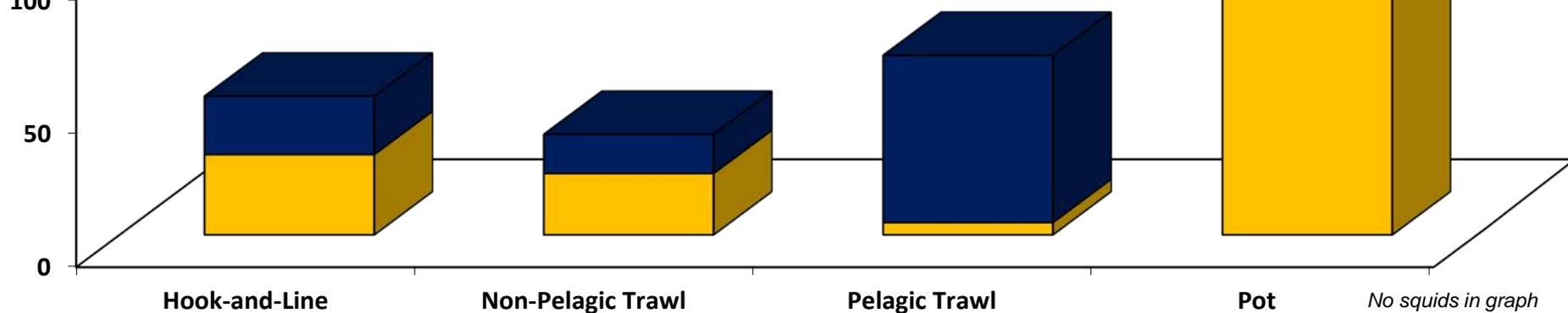
■ Octopus

■ Sharks

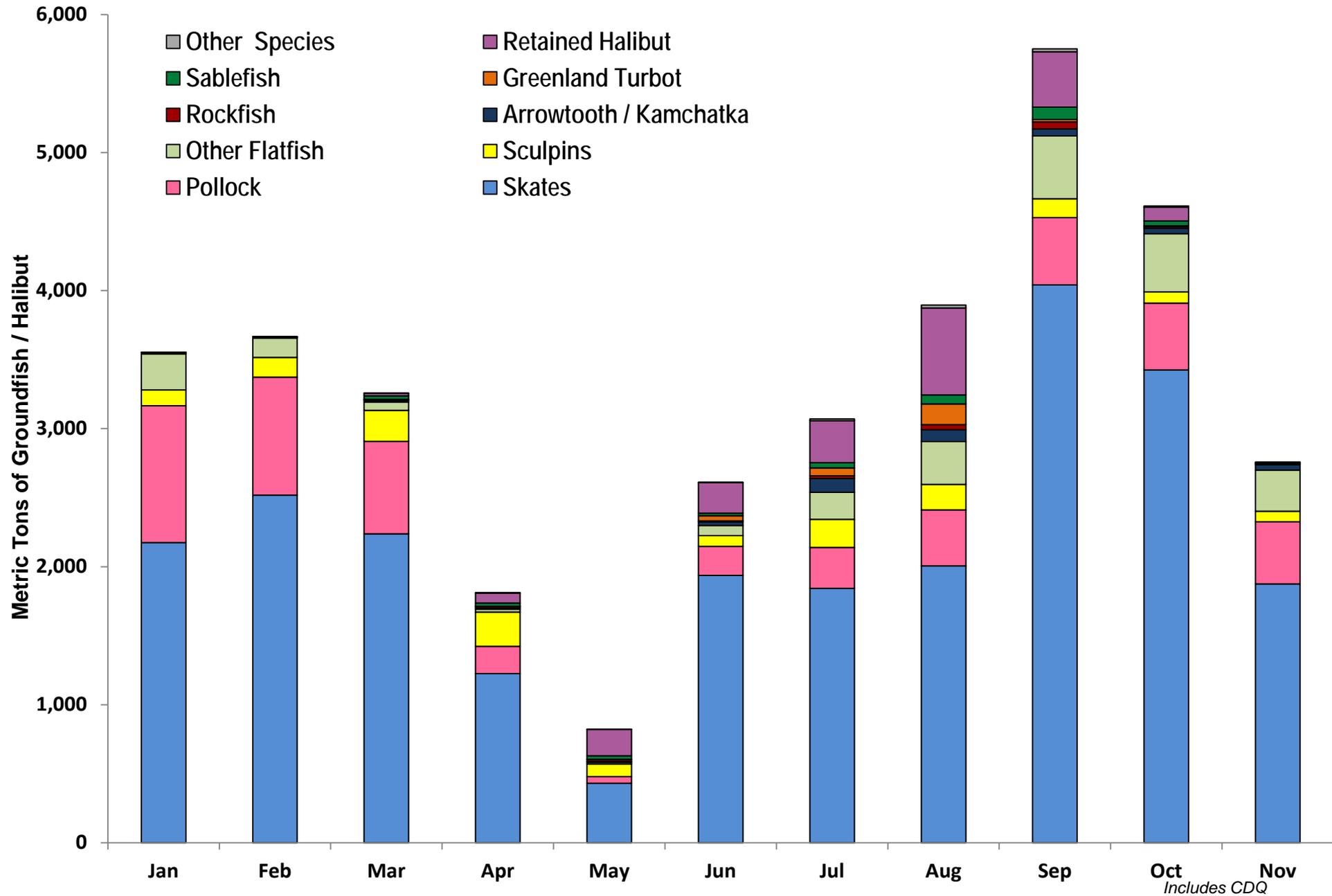
Includes CDQ

2018	ABC	TAC (mt)	Catch (mt)	%
Octopus	3,576	250	271	108%
Sharks	517	180	96	53%
Squids	5,184	1,020	1,735	170%

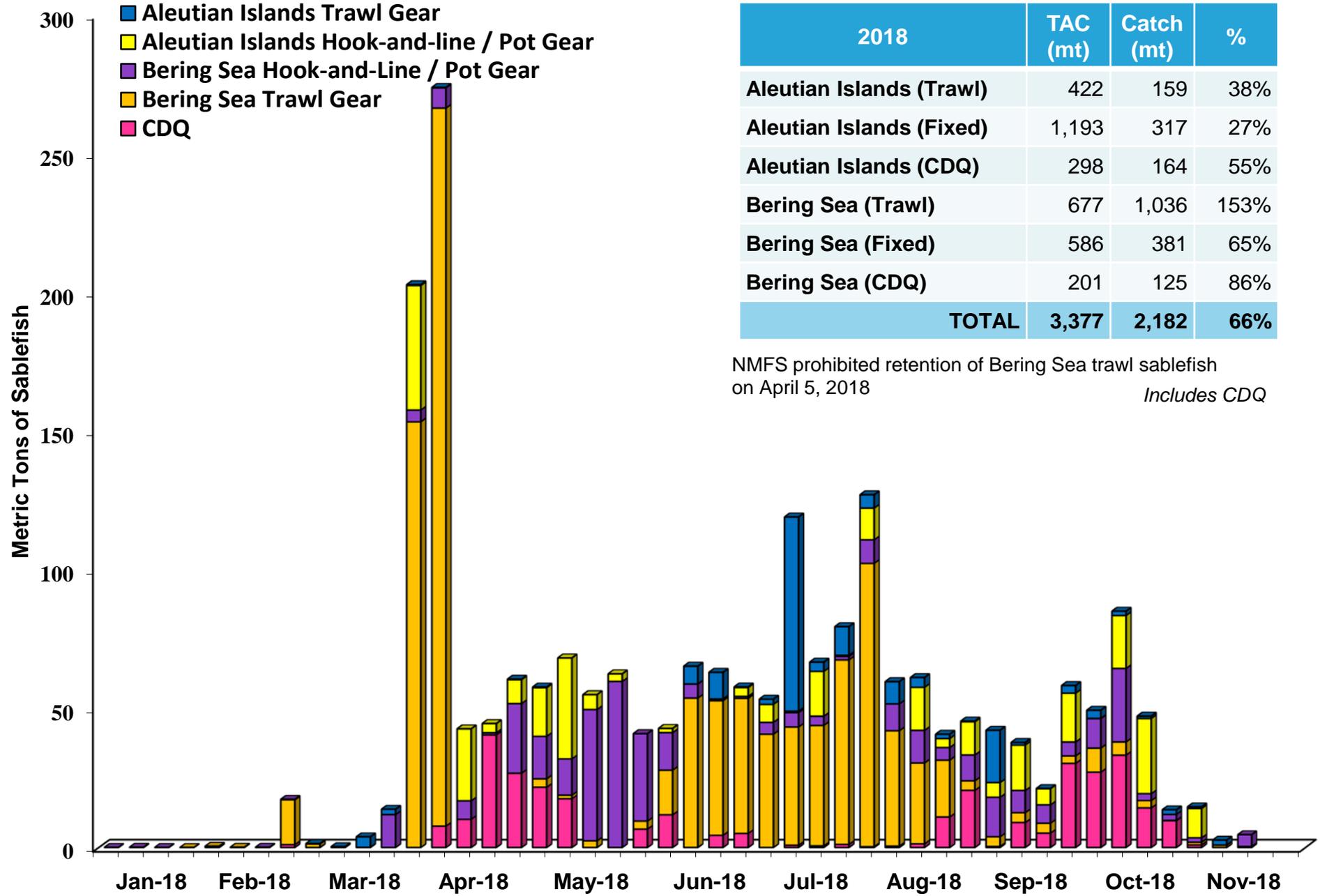
Metric Tons of Sharks and Octopus



2018 BSAI Hook-and-Line Non Pacific Cod Catch



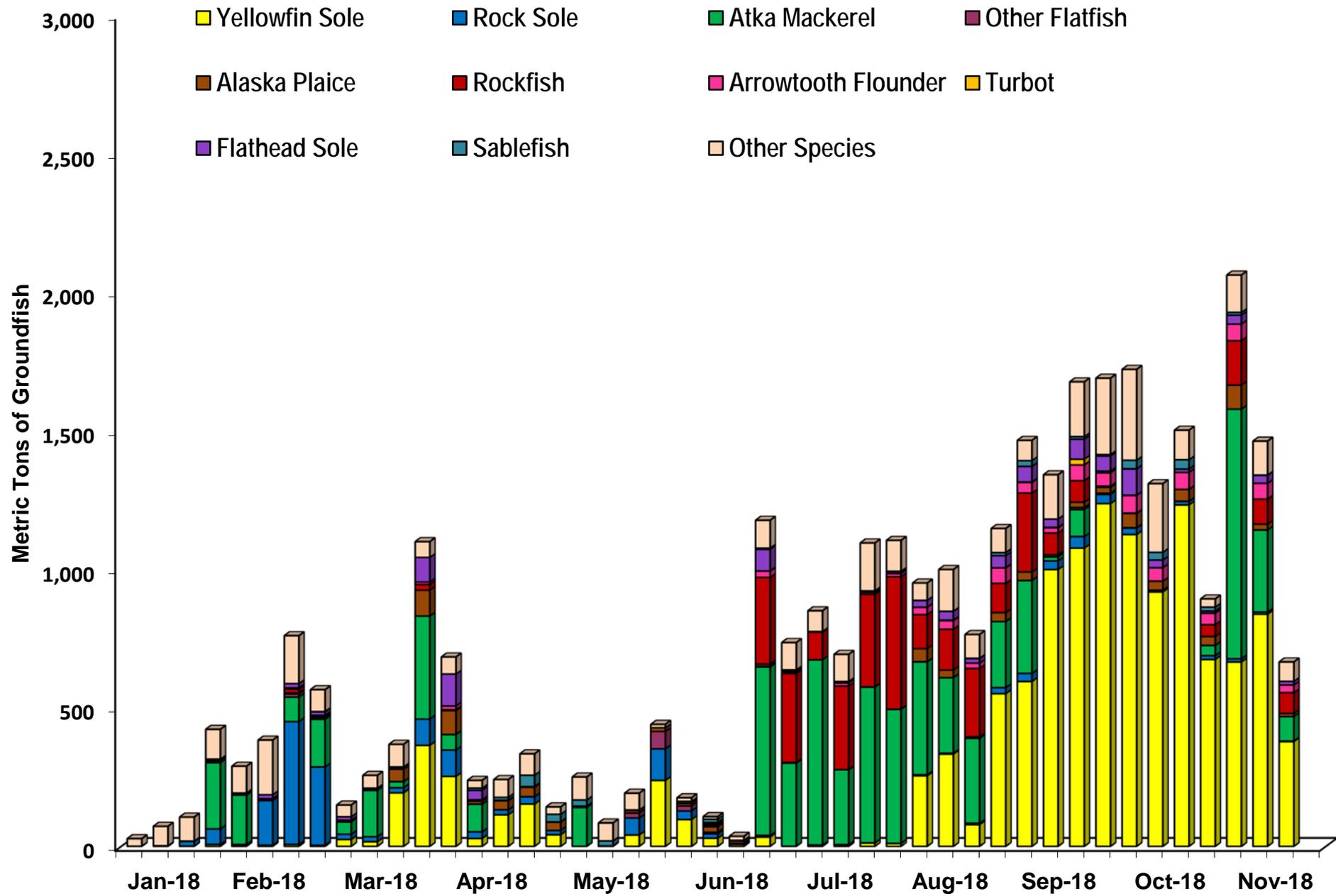
2018 BSAI Sablefish Catch



	2018	TAC (mt)	Catch (mt)	%
Aleutian Islands (Trawl)		422	159	38%
Aleutian Islands (Fixed)		1,193	317	27%
Aleutian Islands (CDQ)		298	164	55%
Bering Sea (Trawl)		677	1,036	153%
Bering Sea (Fixed)		586	381	65%
Bering Sea (CDQ)		201	125	86%
TOTAL		3,377	2,182	66%

NMFS prohibited retention of Bering Sea trawl sablefish on April 5, 2018
Includes CDQ

2018 CDQ Non Pollock / Pacific Cod Catch by Species



2018 Non-specified Reserve Releases

Species	Initial TAC (mt)	Reallocations	Revised TAC	Catch (mt)	%
AI Greenland Turbot	144	+25	169	161	95%
BS Sablefish	1,208	+55	1,263	1,417	117%
BSAI Alaska Plaice*	13,685	+ 3,875	17,560	23,107	132%
BSAI Northern Rockfish	5,185	+ 700	5,885	5,757	98%
BSAI "Other Flatfish"*	3,400	+ 700	4,100	5,977	146%
BSAI Shortraker Rockfish*	150	+ 100	250	250	100%
BSAI Sculpins	4,250	+ 750	5,000	4,937	99%
BSAI Skates*	22,950	+6,130	29,080	28,358	98%
CAI/WAI Blackspotted/Rougeye*	150	+ 28	178	172	97%
Reserves	12,363	-12,363	0	<i>Na</i>	<i>Na</i>

* Over-TAC non-specified reserve releases

BSAI Groundfish Species Placed on Prohibited Species Status

2017	Date
Sablefish in BS subarea by non-CDQ trawl	July 10
Sculpins in BSAI	October 6
"Other Rockfish" in the AI subarea	October 6

2018	Date
Sablefish in BS subarea by non-CDQ trawl	April 5
"Other Flatfish" in the BSAI	September 13
"Other Rockfish" in the AI subarea	September 27

BSAI Trawl Groundfish Retained and Discards

2017 Trawl	Retained	Discards	% Retained
Pollock	1,346,266	7,583	99%
Yellowfin Sole	128,613	2,113	98%
Atka Mackerel	64,041	369	99%
Pacific Cod	76,476	956	99%
Pacific Ocean Perch	30,278	2,260	93%
Rock Sole	33,941	1,238	96%
Alaska Plaice	14,538	1,954	88%
Flathead Sole	8,105	486	94%
Arrowtooth Flounder	5,406	530	91%
Other Flatfish	945	3,102	23%
Northern Rockfish	4,368	280	94%
Skates	1,649	2,527	39%
Sculpin *	56	3,089	2%
Kamchatka Flounder	4,218	178	96%
Squid	840	1,156	42%
Greenland Turbot	1,806	32	98%
Sablefish *	660	154	81%
Other Rockfish *	603	92	87%
Shortraker Rockfish	96	21	82%
Rougheye Rockfish	115	16	88%
Other Species	10	120	8%
TOTAL	1,723,031	28,254	98%

2018 Trawl	Retained	Discards	% Retained
Pollock	1,364,156	10,772	99%
Yellowfin Sole	125,675	2,068	98%
Atka Mackerel	69,659	685	99%
Pacific Cod	68,568	490	99%
Pacific Ocean Perch	32,418	2,326	93%
Rock Sole	27,120	1,112	96%
Alaska Plaice	21,224	2,021	91%
Flathead Sole	10,074	461	96%
Arrowtooth Flounder	5,704	808	88%
Other Flatfish *	831	5,113	14%
Northern Rockfish	5,238	494	91%
Skates	2,749	2,672	51%
Sculpin	81	3,115	3%
Kamchatka Flounder	2,852	187	94%
Squid	854	881	49%
Greenland Turbot	1,509	41	97%
Sablefish *	626	621	50%
Other Rockfish *	684	209	77%
Shortraker Rockfish	174	54	76%
Rougheye Rockfish	186	21	90%
Other Species	8	97	7%
TOTAL	1,740,392	34,247	98%

Sorted by 2018 Total catch: * prohibited retention of that species in that year

BSAI Fixed Gear Groundfish Retained and Discards

2017 Hook-and-Line	Retained	Discards	% Retained
Pacific Cod	124,326	2,163	98%
Skates	7,679	20,037	28%
Pollock	6,376	737	90%
Other Flatfish	61	1,979	3%
Sculpins *	0	2,011	0%
Arrowtooth	228	443	34%
Sablefish	244	53	82%
Greenland Turbot	926	63	94%
Other Rockfish *	65	123	35%
Other Species	18	52	26%
Rougheye Rockfish	13	61	17%
Sharks		39	0%
Shorthead Rockfish	7	36	17%
TOTAL	139,943	27,795	83%

2018 Hook-and-Line	Retained	Discards	% Retained
Pacific Cod	90,241	1,559	98%
Skates	8,640	15,195	36%
Pollock	4,642	495	90%
Other Flatfish	164	2,100	7%
Sculpins	2	1,585	0%
Arrowtooth	119	265	31%
Sablefish	272	58	83%
Greenland Turbot	249	23	92%
Other Rockfish *	43	77	36%
Other Species	15	48	24%
Rougheye Rockfish	13	17	44%
Sharks		22	0%
Shorthead Rockfish	6	15	29%
TOTAL	104,406	21,459	83%

2017 Pot	Retained	Discards	% Retained
Pacific Cod	31,096	42	100%
Sablefish	613	25	96%
Octopus	77	144	35%
Other Species	16	380	4%
TOTAL	31,802	591	98%

2018 Pot	Retained	Discards	% Retained
Pacific Cod	27,239	56	100%
Sablefish	623	40	94%
Octopus	157	59	73%
Other Species	84	573	13%
TOTAL	28,103	728	97%

Sorted by 2018 Total catch; * prohibited retention of that species in that year

2018 Salmon, Crab, and Herring PSC

Chinook Salmon (#)	Total Catch	Limit	%
Pollock Fishery	13,724	60,000	23%
Non-Pollock Fisheries	3,655	<i>na</i>	<i>na</i>
Non-Chinook Salmon (#)	Total Catch	Limit	%
Pollock Fishery	285,061	<i>na</i>	<i>na</i>
Non-Pollock Fisheries	13,134	<i>na</i>	<i>na</i>

Trawl Gear

Other PSC Species	Total Catch
Opilio Tanner Crab (#)	1,582,259
Bairdi Tanner Crab (#)	180,461
Red King Crab (#)	29,894
Blue King Crab (#)	389
Golden King Crab (#)	15,652
Herring (mt)	541

Fixed Gear

Other PSC Species	Total Catch
Opilio Tanner Crab (#)	65,149
Bairdi Tanner Crab (#)	273,351
Red King Crab (#)	309,462
Blue King Crab (#)	6,223
Golden King Crab (#)	43,693

2018 BSAI Halibut Catch

Hook-and-Line Halibut Catch

Hook-and-Line Halibut (mt)	Retained	Discard *	% Discarded	Mortality **	Limit	%
IFQ \ CDQ Halibut Fishery	1,914	487	20%	78	na	na
IFQ \ CDQ Sablefish Fishery	15	7	32%	< 1	na	na
Pacific Cod \ Other Species	10	1,529	99%	125	710	18%
TOTAL	1,939	2,023	51%	204	na	na

All Catch, retained and discarded is in round weight metric tons

* Halibut discards are based on best available information collected by the North Pacific Observer program. Methods used by observers may overestimate total discards because average weights contain both retained and discarded halibut.

** IFQ Halibut discard mortality rate is 16%

Gilroy, H.L. 2012. Incidental mortality of halibut in the commercial halibut fishery (Wastage). Int. Pac. Halibut Comm. Report of Assessment and Research Activities

** IFQ Sablefish and Pacific cod discard mortality rate is 8% for Catcher/Processors and 14% for Catcher Vessels.

Trawl Halibut Catch*

Trip Target	Mortality	Limit
Arrowtooth / Kamchatka / Turbot	41	2,490
Atka Mackerel	114	
Flathead Sole / Other Flatfish	120	
Pacific Cod	250	
Pollock	55	
Rockfish	26	
Rock Sole	288	
Yellowfin Sole	888	
TOTAL	1,782	

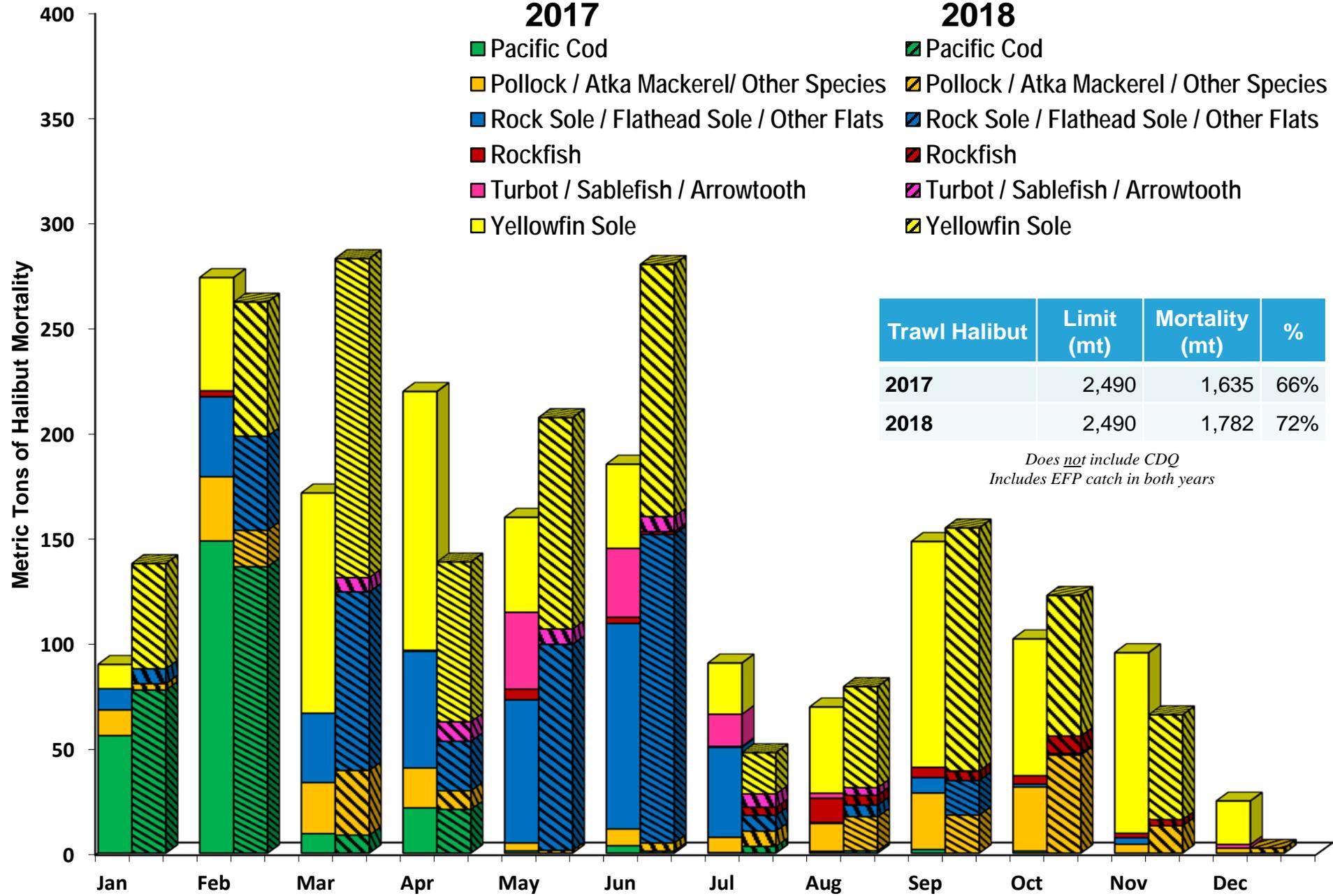
* Includes EFP Catch and does not include CDQ

EFP Deck sort Halibut Mortality

Year	EFP Mortality	Vessels	% of Trawl Halibut Mortality
2015	229	9	10%
2016	221	12	10%
2017	591	18	33%
2018	918	21	48%

The EFP halibut mortality above is included in the Trawl halibut mortality totals to the left.

2017 / 2018 BSAI Trawl Halibut Mortality



2018 BSAI Reduction in Halibut Mortality Compared to 5 year Average

Sector	2013-2017 Average (mt)	2018 ** (mt)	% Change (mt)	2013-2017 Rate*	2018 Rate*	% Change in Rate
Hook-and-line						
Catcher/Processors	310	110	-64%	2.18	1.03	-53%
Catcher Vessels	2	5	94%	2.83	4.95	75%
Total	312	115	-63%	2.18	1.06	-51%
Non-Pelagic Trawl						
Amendment 80 Catcher/Processors	1,712	1,327	-22%	5.41	4.30	-21%
AFA Catcher/Processors	107	105	-2%	4.47	5.34	19%
Catcher Vessels	349	309	-11%	5.78	5.21	-10%
Total	2,168	1,741	-20%	5.41	4.49	-17%
Pelagic Trawl						
AFA Catcher/Processors	88	32	-64%	0.19	0.07	-65%
AFA Catcher Vessels	31	10	-68%	0.05	0.01	-70%
Total	119	42	-65%	0.10	0.03	-66%
CDQ						
Hook-and-line Vessels	32	10	-70%	1.54	0.60	-61%
Non-pelagic Trawl Vessels	150	137	-9%	3.91	3.44	-12%
Pelagic Trawl Vessels	11	7	-35%	0.08	0.05	-38%
Total	193	154	-20%	1.25	0.79	-37%
TOTAL	2,792	2,051	-27%	1.50	1.08	-28%

* Rate is kg of halibut / mt of groundfish

** 2018 Data through November 11, 2018

2018 BSAI Reduction in Halibut Mortality Compared to 2017

Sector	2017 (mt)	2018 (mt) **	% Change (mt)	2017 Rate*	2018 Rate*	% Change (Rate)
Hook-and-line						
Catcher/Processors	172	110	-36%	1.19	1.03	-14%
Catcher Vessels	1	5	na	7.98	4.95	-38%
Total	172	115	-33%	1.19	1.06	-11%
Non-Pelagic Trawl						
Amendment 80 Catcher/Processors	1,167	1,327	14%	3.97	4.30	8%
AFA Catcher/Processors	57	105	85%	3.21	5.34	67%
Catcher Vessels	337	309	-8%	5.07	5.21	3%
Total	1,561	1,741	12%	4.13	4.49	9%
Pelagic Trawl						
AFA Catcher/Processors	57	32	-44%	0.12	0.07	-44%
AFA Catcher Vessels	17	10	-42%	0.02	0.01	-42%
Total	74	42	-43%	0.06	0.03	-44%
CDQ						
Hook-and-line Vessels	18	10	-47%	0.82	0.60	-27%
Non-pelagic Trawl Vessels	129	137	6%	3.27	3.44	5%
Pelagic Trawl Vessels	6	7	14%	0.05	0.05	12%
Total	153	154	0%	0.77	0.79	2%
TOTAL	1,961	2,051	5%	1.02	1.08	6%

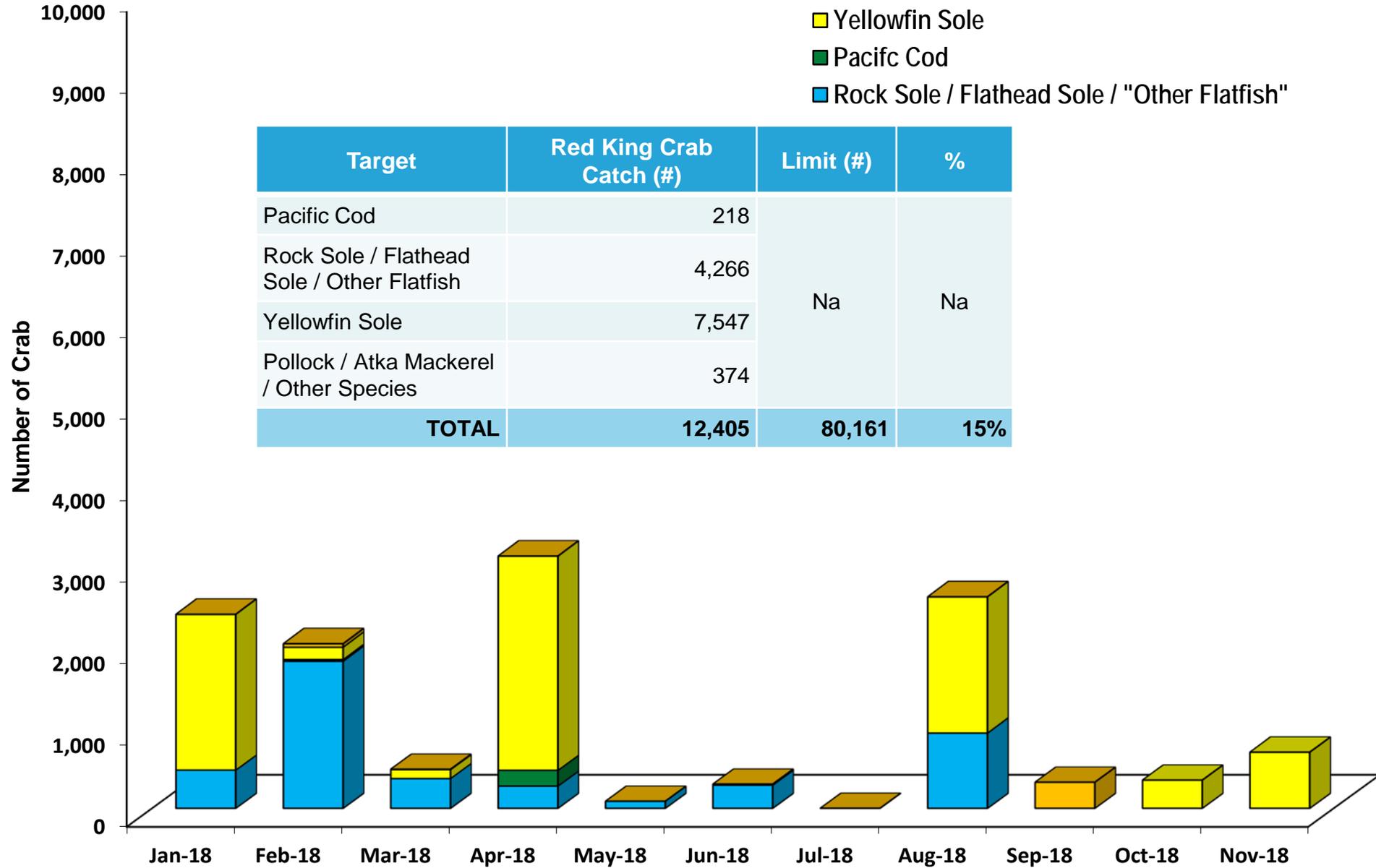
* Rate is kg of halibut / mt of groundfish

** 2018 Data through November 11, 2018

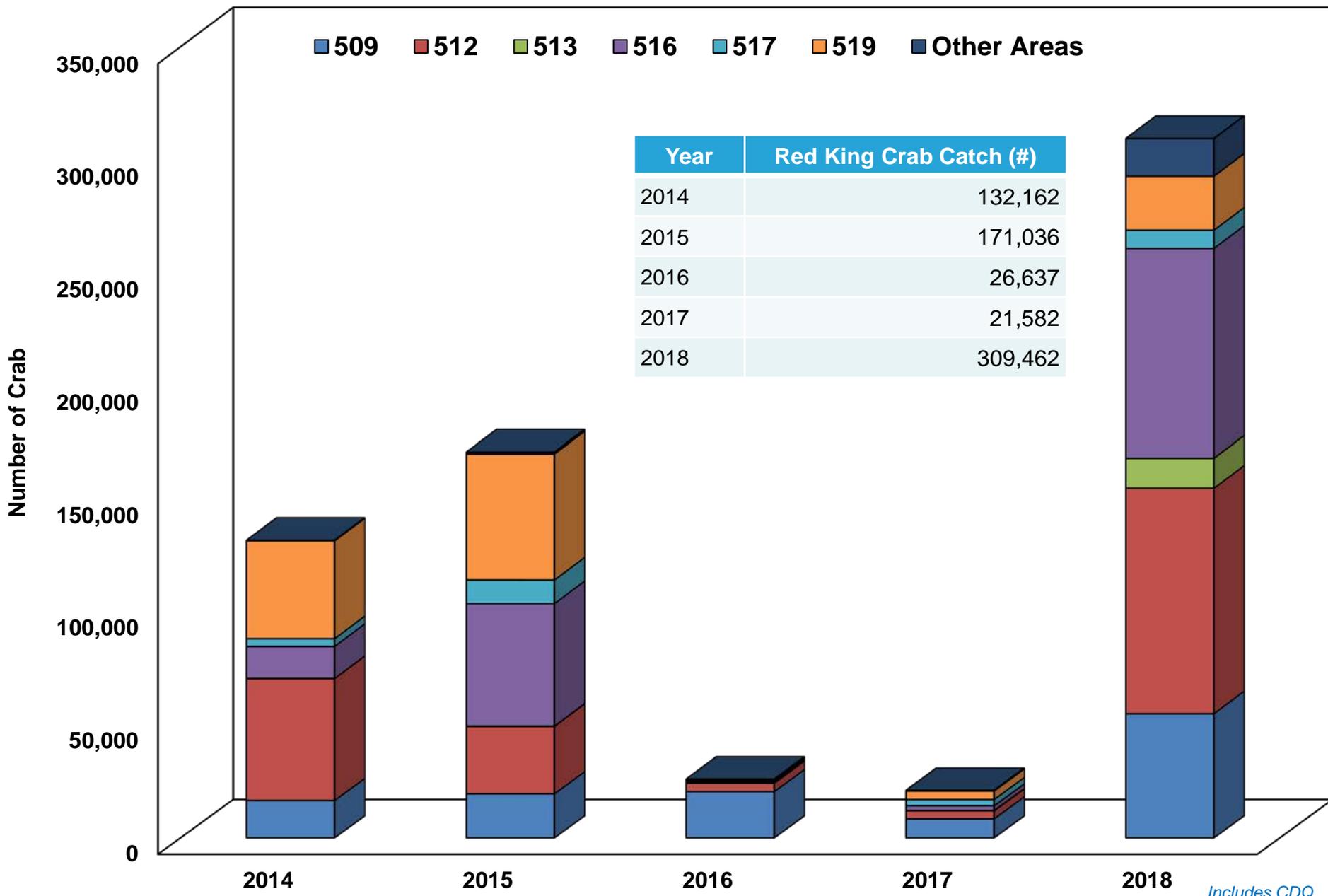
2018 Zone 1 Trawl Red King Crab Incidental Catch by Target

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

Target	Red King Crab Catch (#)	Limit (#)	%
Pacific Cod	218	Na	Na
Rock Sole / Flathead Sole / Other Flatfish	4,266		
Yellowfin Sole	7,547		
Pollock / Atka Mackerel / Other Species	374		
TOTAL	12,405	80,161	15%



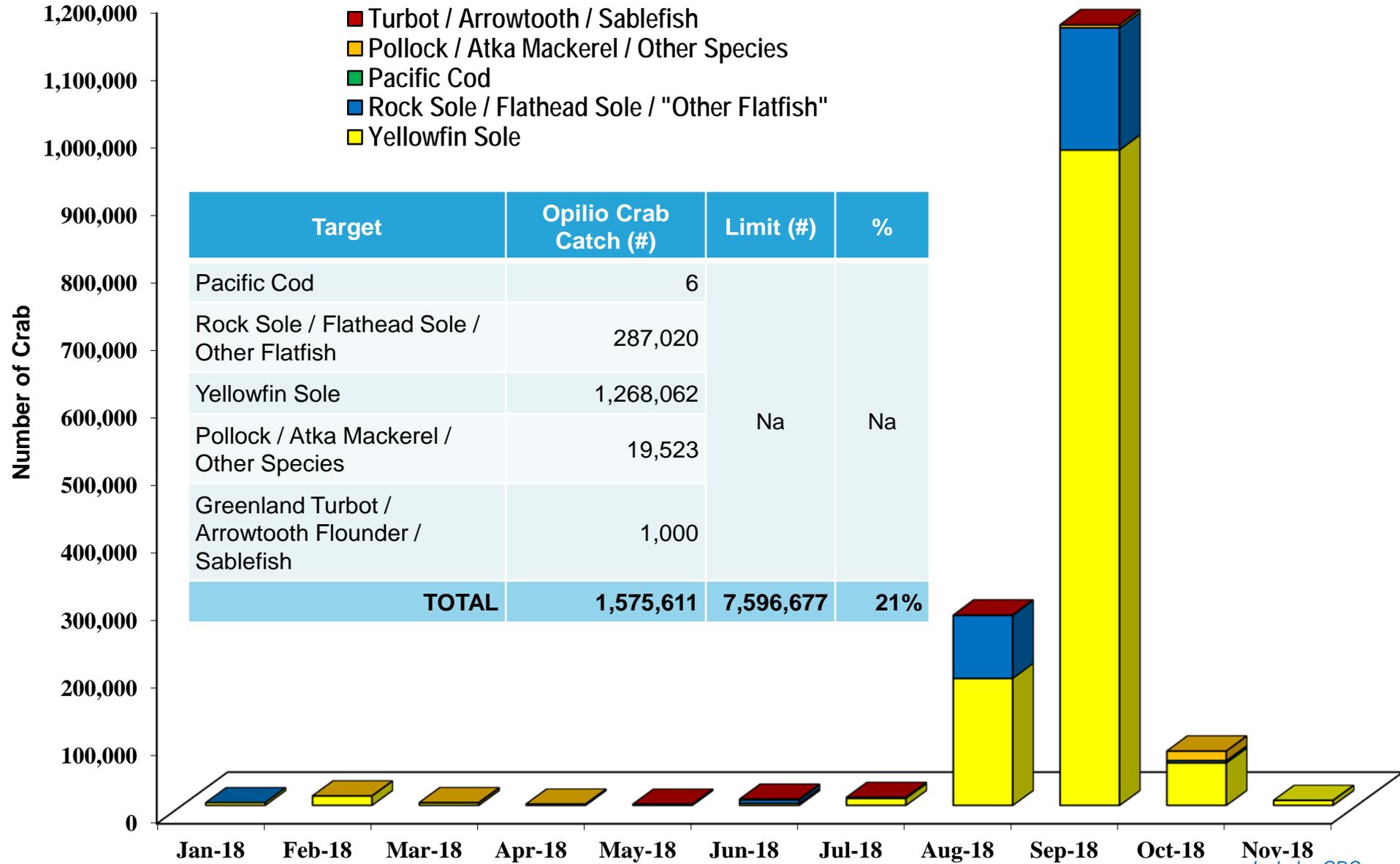
2014-2018 Fixed Gear Red King Crab Incidental Catch



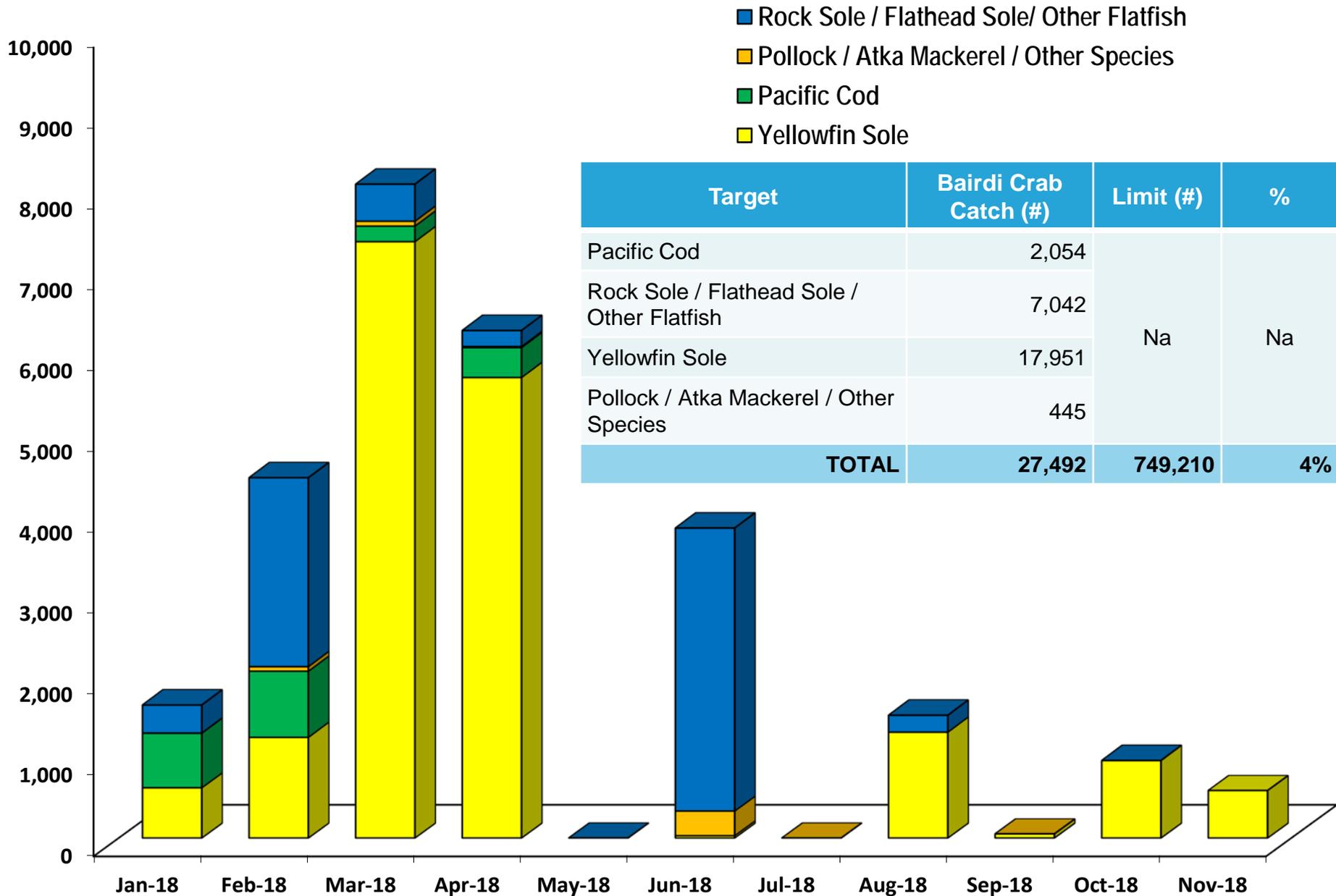
2018 COBLZ Trawl Opilio Crab Incidental Catch by Target

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

Target	Opilio Crab Catch (#)	Limit (#)	%
Pacific Cod	6		
Rock Sole / Flathead Sole / Other Flatfish	287,020		
Yellowfin Sole	1,268,062	Na	Na
Pollock / Atka Mackerel / Other Species	19,523		
Greenland Turbot / Arrowtooth Flounder / Sablefish	1,000		
TOTAL	1,575,611	7,596,677	21%



2018 Zone 1 Trawl Bairdi Crab Incidental Catch by Target

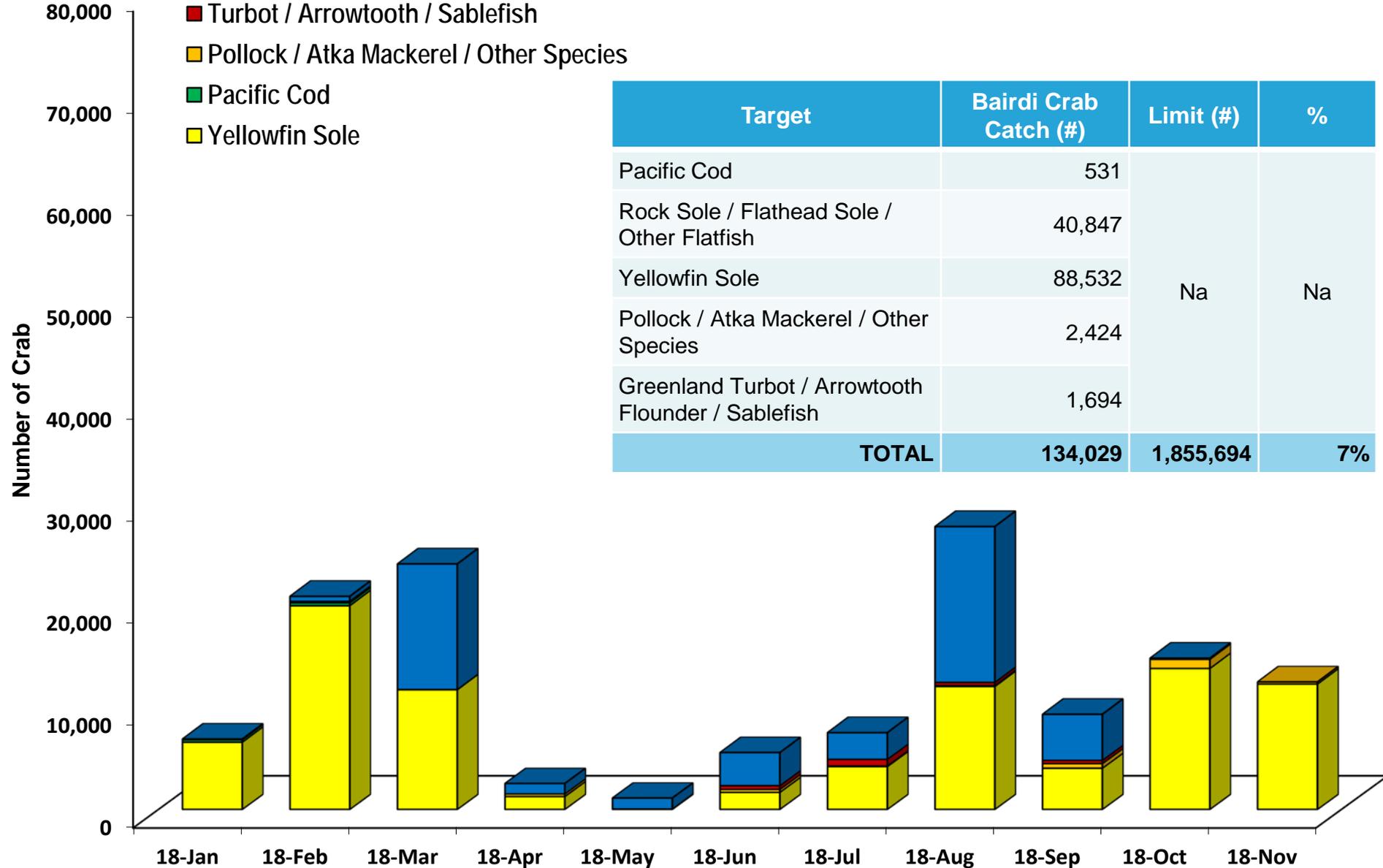


Target	Bairdi Crab Catch (#)	Limit (#)	%
Pacific Cod	2,054	Na	Na
Rock Sole / Flathead Sole / Other Flatfish	7,042		
Yellowfin Sole	17,951		
Pollock / Atka Mackerel / Other Species	445		
TOTAL	27,492	749,210	4%

2018 Zone 2 Trawl Bairdi Crab Incidental Catch by Target

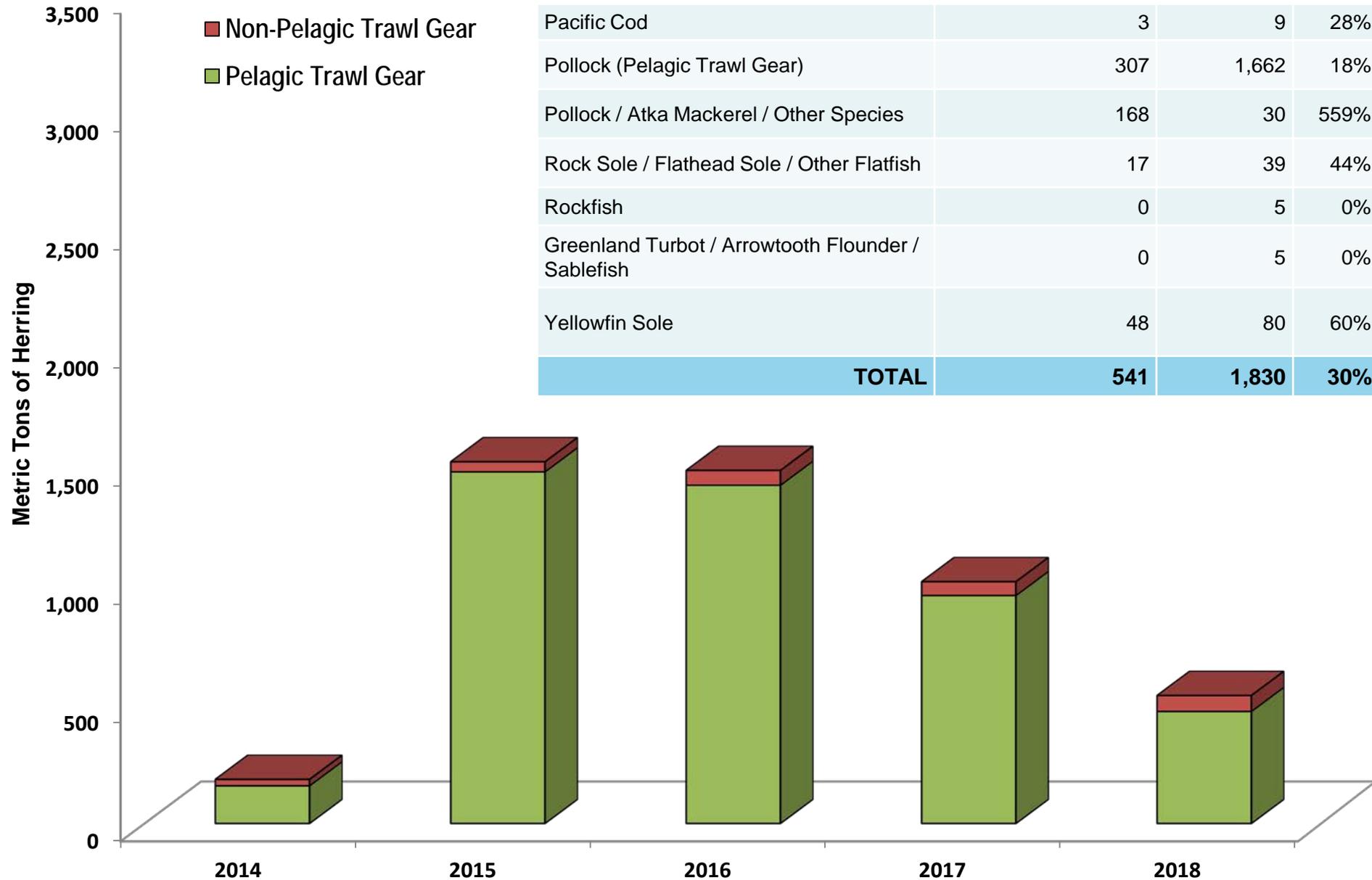
- Rock Sole / Flathead Sole / Other Flatfish
- Turbot / Arrowtooth / Sablefish
- Pollock / Atka Mackerel / Other Species
- Pacific Cod
- Yellowfin Sole

Target	Bairdi Crab Catch (#)	Limit (#)	%
Pacific Cod	531	Na	Na
Rock Sole / Flathead Sole / Other Flatfish	40,847		
Yellowfin Sole	88,532		
Pollock / Atka Mackerel / Other Species	2,424		
Greenland Turbot / Arrowtooth Flounder / Sablefish	1,694		
TOTAL	134,029	1,855,694	7%

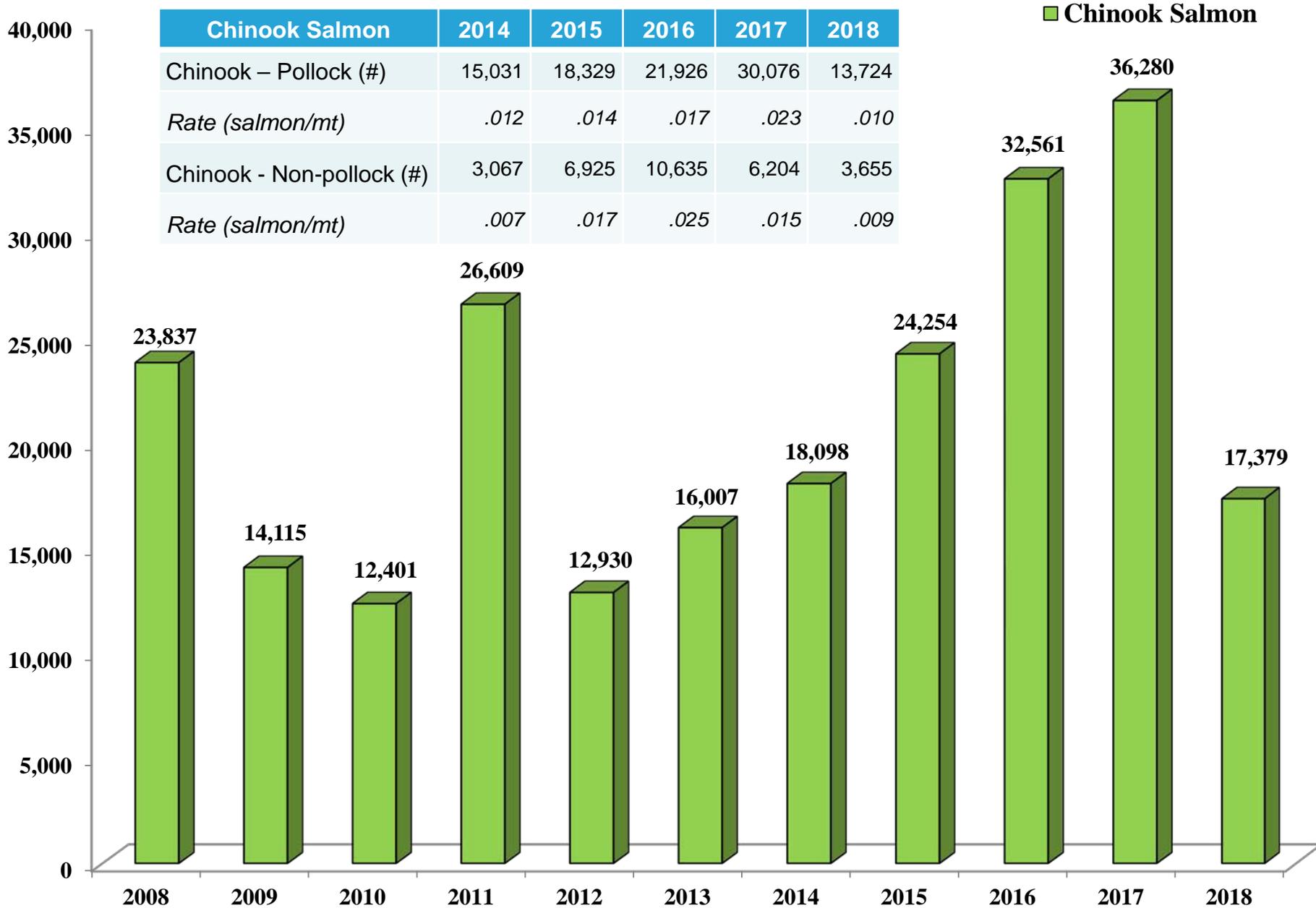


2014 - 2018 BSAI Trawl Herring Incidental Catch

Target	Herring Catch (mt)	Limit (mt)	%
Pacific Cod	3	9	28%
Pollock (Pelagic Trawl Gear)	307	1,662	18%
Pollock / Atka Mackerel / Other Species	168	30	559%
Rock Sole / Flathead Sole / Other Flatfish	17	39	44%
Rockfish	0	5	0%
Greenland Turbot / Arrowtooth Flounder / Sablefish	0	5	0%
Yellowfin Sole	48	80	60%
TOTAL	541	1,830	30%

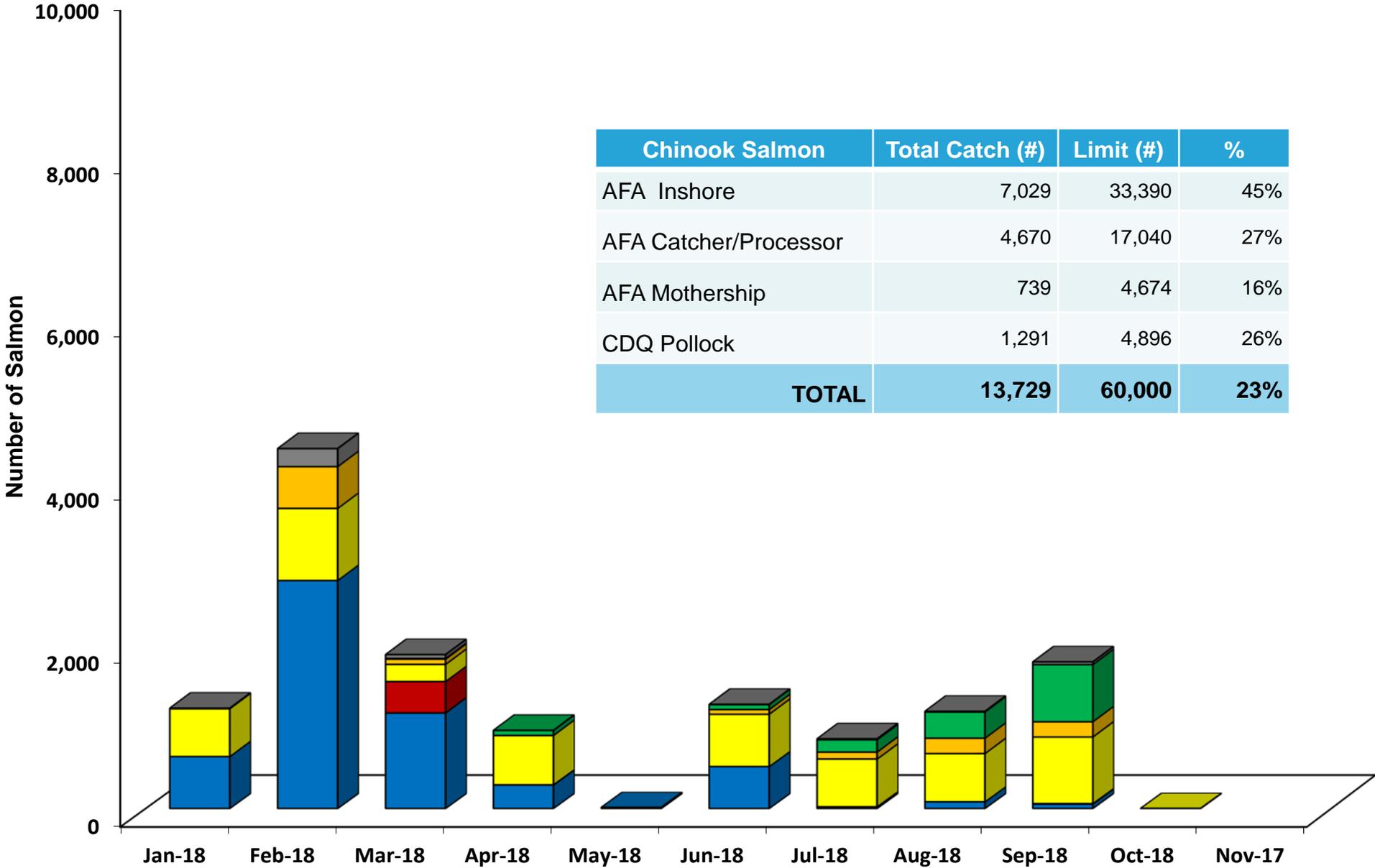


BSAI Trawl Chinook Salmon Incidental Catch



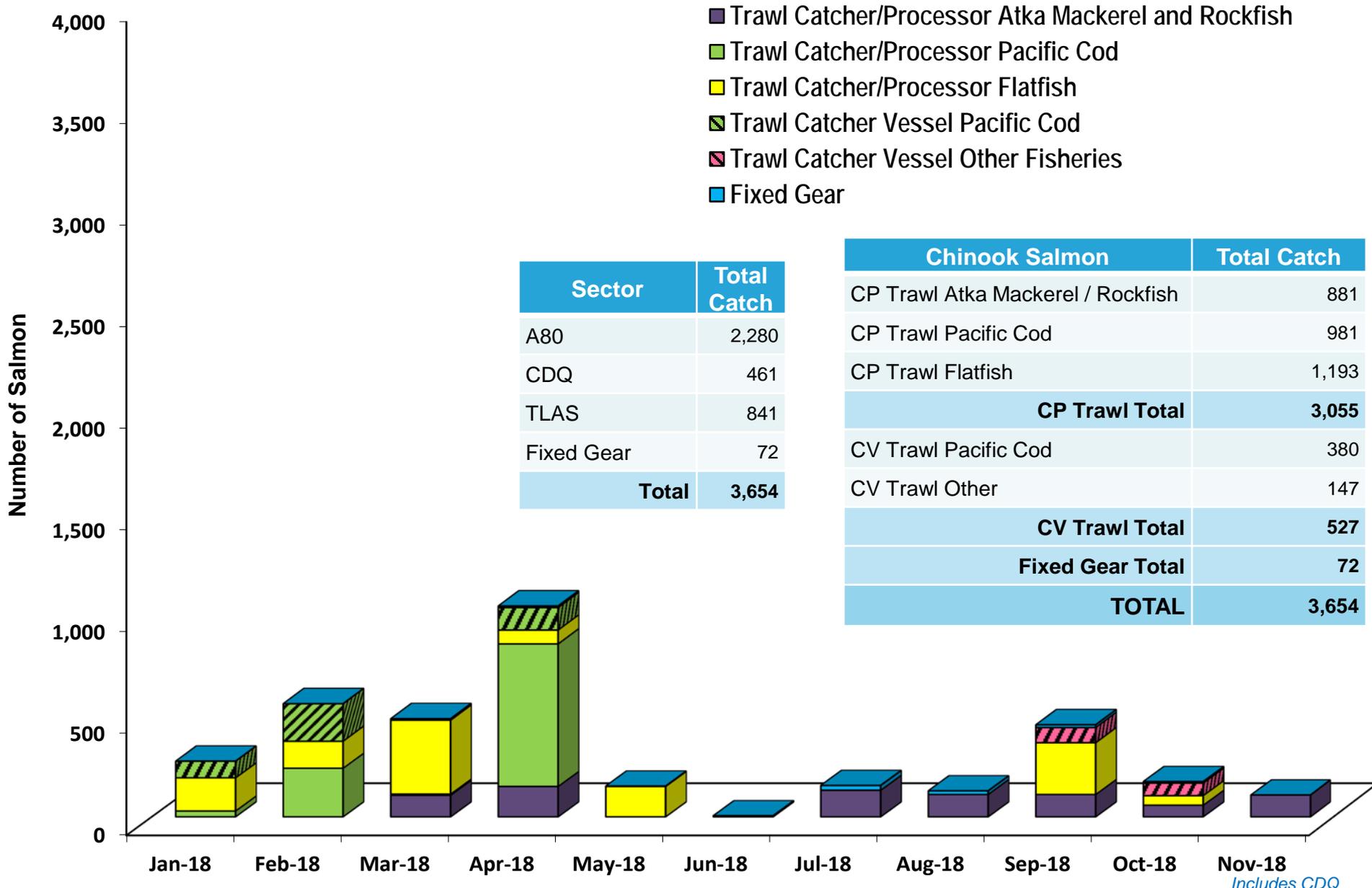
BSAI Pollock Fishery Chinook Salmon Incidental Catch

■ 509
 ■ 513
 ■ 517
 ■ 519
 ■ 521
 ■ Other

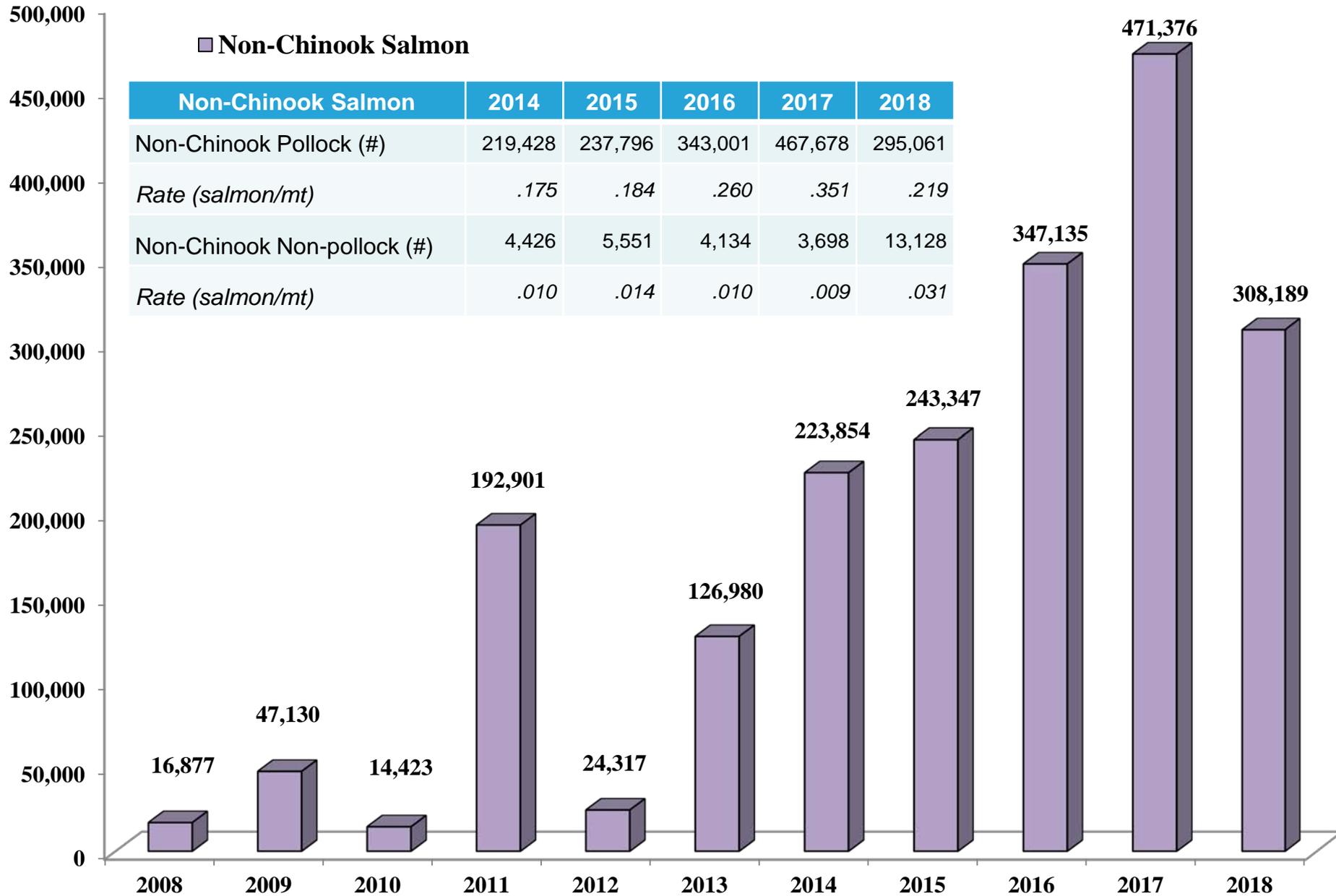


Chinook Salmon	Total Catch (#)	Limit (#)	%
AFA Inshore	7,029	33,390	45%
AFA Catcher/Processor	4,670	17,040	27%
AFA Mothership	739	4,674	16%
CDQ Pollock	1,291	4,896	26%
TOTAL	13,729	60,000	23%

2018 Non-Pollock Fishery Chinook Salmon Incidental Catch by Fishery and Sector



BSAI Trawl Non-Chinook Salmon Incidental Catch



Acknowledgements

(BSAI and GOA)

Industry Reports:

Catcher vessels

- 1,225 unique vessels with approximately 12,063 landings to 83 unique processors

Catcher processors

- 69 unique vessels fishing approximately 10,892 vessel days

Observer Program

- FMA staff
- All observers

Elandings Team

- ADF&G, IPHC and Enforcement

Inseason Staff

- Mary Furuness
- Josh Keaton
- Obren Davis
- Steve Whitney
- Krista Milani (Dutch Harbor)

Information Services

- Application Development Staff
- Contractors

Permits Staff

- Restricted Access Management

Catch accounting Staff

- Jennifer Mondragon
- Jason Gasper
- Cathy Tide
- Steve Lewis
- Jennifer Watson
- Vernon Shoemaker
- Suja Hall
- Bill Donaldson (Kodiak)