

Table 1. September BSAI Plan Team Proposed OFL and ABC Recommendations (metric tons) for 2019-2020

Species	Area	2017				2018				2019 and 2020		
		OFL	ABC	TAC	Catch as of 12/31/2017	OFL	ABC	TAC	Catch as of 9/8/2018	OFL	ABC	TAC
Pollock	EBS	3,640,000	2,800,000	1,345,000	1,359,274	4,797,000	2,592,000	1,364,341	1,294,454	4,592,000	2,467,000	
	AI	43,650	36,061	19,000	1,507	49,289	40,788	19,000	1,748	37,431	30,803	
	Bogoslof	130,428	60,800	500	186	130,428	60,800	450	9	130,428	60,800	
Pacific cod	BS	284,000	239,000	223,704	222,814	238,000	201,000	188,136	142,502	201,000	170,000	
	AI	28,700	21,500	15,695	12,258	28,700	21,500	15,695	10,906	28,700	21,500	
Sablefish	BS	1,499	1,274	1,274	1,159	2,887	1,464	1,464	1,422	4,576	2,061	
	AI	2,044	1,735	1,735	590	3,917	1,988	1,988	457	6,209	2,798	
Yellowfin sole	BSAI	287,000	260,800	154,000	132,266	306,700	277,500	154,000	97,101	295,600	267,500	
Greenland turbot	BSAI	11,615	6,644	4,500	2,834	13,148	11,132	5,294	1,765	13,540	11,473	
	BS	n/a	5,800	4,375	2,712	n/a	9,718	5,125	1,614	n/a	10,016	
	AI	n/a	844	125	122	n/a	1,414	169	151	n/a	1,457	
Arrowtooth flounder	BSAI	76,100	65,371	14,000	6,518	76,757	65,932	13,621	4,528	75,084	64,494	
Kamchatka flounder	BSAI	10,360	8,880	5,000	4,503	11,347	9,737	5,000	2,814	12,022	10,317	
Northern rock sole	BSAI	159,700	155,100	47,100	35,214	147,300	143,100	47,100	27,513	136,000	132,000	
Flathead sole	BSAI	81,654	68,278	14,500	9,149	79,862	66,773	14,500	8,262	78,036	65,227	
Alaska plaice	BSAI	42,800	36,000	13,000	16,492	41,170	34,590	16,100	21,453	38,800	32,700	
Other flatfish	BSAI	17,591	13,193	2,500	4,133	17,591	13,193	4,000	5,871	17,591	13,193	
Pacific Ocean perch	BSAI	53,152	43,723	34,900	32,544	51,675	42,509	37,361	25,524	50,098	41,212	
	BS	n/a	12,199	11,000	8,987	n/a	11,861	11,861	4,024	n/a	11,499	
	EAI	n/a	10,307	7,900	7,803	n/a	10,021	9,000	6,370	n/a	9,715	
	CAI	n/a	8,009	7,000	6,868	n/a	7,787	7,500	6,767	n/a	7,549	
	WAI	n/a	13,208	9,000	8,886	n/a	12,840	9,000	8,363	n/a	12,449	
Northern rockfish	BSAI	16,242	13,264	5,000	4,699	15,888	12,975	6,100	5,286	15,563	12,710	
Blackspotted/Rougheye Rockfish	BSAI	612	501	225	205	749	613	225	190	829	678	
	EBS/EAI	n/a	306	100	71	n/a	374	75	45	n/a	414	
	CAI/WAI	n/a	195	125	134	n/a	239	150	145	n/a	264	
Shortraker rockfish	BSAI	666	499	125	161	666	499	150	147	666	499	
Other rockfish	BSAI	1,816	1,362	875	831	1,816	1,362	845	763	1,816	1,362	
	BS	n/a	791	325	261	n/a	791	275	145	n/a	791	
	AI	n/a	571	550	570	n/a	571	570	618	n/a	571	
Atka mackerel	BSAI	102,700	87,200	65,000	64,449	108,600	92,000	71,000	54,474	97,200	84,400	
	EAI/BS	n/a	34,890	34,500	34,267	n/a	36,820	36,500	21,435	n/a	33,780	
	CAI	n/a	30,330	18,000	17,749	n/a	32,000	21,000	20,077	n/a	29,350	
	WAI	n/a	21,980	12,500	12,433	n/a	23,180	13,500	12,962	n/a	21,270	
Skates	BSAI	49,063	41,144	26,000	31,892	46,668	39,082	27,000	13,517	44,202	36,957	
Sculpins	BSAI	56,582	42,387	4,500	5,342	53,201	39,995	5,000	4,173	53,201	39,995	
Sharks	BSAI	689	517	125	142	689	517	180	85	689	517	
Squids	BSAI	6,912	5,184	1,342	1,996	6,912	5,184	1,200	1,456			
Octopuses	BSAI	4,769	3,576	400	281	4,769	3,576	250	160	4,769	3,576	
Total	BSAI	5,110,344	4,013,993	2,000,000	1,951,439	6,235,729	3,779,809	2,000,000	1,726,580	5,936,050	3,573,772	

Sources: 2017 OFLs, ABCs, and TACs and 2018 OFLs and ABCs are from harvest specifications adopted by the Council in December 2016 and December 2017, respectively; 2017 catches through December 31, 2018 catches through September 8, 2018 from AKR Catch Accounting.

TABLE 7—PROPOSED 2019 AND 2020 ABC SURPLUS, ABC RESERVES, COMMUNITY DEVELOPMENT QUOTA (CDQ) ABC RESERVES, AND AMENDMENT 80 ABC RESERVES IN THE BSAI FOR FLATHEAD SOLE, ROCK SOLE, AND YELLOWFIN SOLE

[Amounts are in metric tons]			
Sector	Flathead sole	Rock sole	Yellowfin sole
ABC	65,227	132,000	267,500
TAC	15,500	49,100	156,000
ABC surplus	49,727	82,900	111,500
ABC reserve	49,727	82,900	111,500
CDQ ABC reserve	5,321	8,870	11,931
Amendment 80 ABC reserve	44,406	74,030	99,570

TABLE 8—PROPOSED 2019 AND 2020 APPORTIONMENT OF PROHIBITED SPECIES CATCH ALLOWANCES TO NON-TRAWL GEAR, THE CDQ PROGRAM, AMENDMENT 80, AND THE BSAI TRAWL LIMITED ACCESS SECTORS

PSC species and area ¹	Total PSC	Non-trawl PSC	CDQ PSQ reserve ²	Trawl PSC remaining after CDQ PSQ	Am 80 sector ³	BSAI trawl limited access fishery
Halibut mortality (mt) BSAI	3,515	710	315	n/a	1,745	745
Herring (mt) BSAI	1,830	n/a	n/a	n/a	n/a	n/a
Red king crab (animals) Zone 1	97,000	n/a	10,379	86,621	43,293	26,489
<i>C. opilio</i> (animals) COBLZ	11,916,450	n/a	1,275,060	10,641,390	5,230,243	3,420,143
<i>C. bairdi</i> crab (animals) Zone 1	980,000	n/a	104,860	875,140	368,521	411,228
<i>C. bairdi</i> crab (animals) Zone 2	2,970,000	n/a	317,790	2,652,210	627,778	1,241,500

¹ Refer to § 679.2 for definitions of zones.

² The PSQ reserve for crab species is 10.7% of each crab PSC limit.

³ The Amendment 80 program reduced apportionment of the trawl PSC limits for crab below the total PSC limit. These reductions are not apportioned to other gear types or sectors.

TABLE 9—PROPOSED 2019 AND 2020 HERRING AND RED KING CRAB SAVINGS SUBAREA PROHIBITED SPECIES CATCH ALLOWANCES FOR ALL TRAWL SECTORS

Fishery categories	Herring (mt) BSAI	Red king crab (animals) Zone 1
Yellowfin sole	80	n/a
Rock sole/flathead sole/other flatfish ¹	39	n/a
Greenland turbot/arrowtooth flounder/Kamchatka flounder/sablefish	5	n/a
Rockfish	5	n/a
Pacific cod	9	n/a
Midwater trawl pollock	1,662	n/a
Pollock/Atka mackerel/other species ^{2,3}	30	n/a
Red king crab savings subarea non-pelagic trawl gear ⁴	n/a	24,250
Total trawl PSC	1,830	97,000

¹ "Other flatfish" for PSC monitoring includes all flatfish species, except for halibut (a prohibited species), arrowtooth flounder, flathead sole, Greenland turbot, Kamchatka flounder, rock sole, and yellowfin sole.

² Pollock other than midwater trawl pollock, Atka mackerel, and "other species" fishery category.

³ "Other species" for PSC monitoring includes sculpins, sharks, skates, and octopuses.

⁴ In October 2018, the Council recommended that the red king crab bycatch limit for non-pelagic trawl fisheries within the RKCSS be limited to 25% of the red king crab PSC allowance (see § 679.21(e)(3)(ii)(B)(2)).

Note: Species apportionments may not total precisely due to rounding.

TABLE 10—PROPOSED 2019 AND 2020 PROHIBITED SPECIES BYCATCH ALLOWANCES FOR THE BSAI TRAWL LIMITED ACCESS SECTOR

BSAI trawl limited access fisheries	Prohibited species and area ¹				
	Halibut mortality (mt) BSAI	Red king crab (animals) Zone 1	<i>C. opilio</i> (animals) COBLZ	<i>C. bairdi</i> (animals)	
				Zone 1	Zone 2
Yellowfin sole	150	23,338	3,224,126	346,228	1,185,500
Rock sole/flathead sole/other flatfish ²	-	-	-	-	0
Greenland turbot/arrowtooth flounder/Kamchatka flounder/sablefish	-	-	-	-	0
Rockfish April 15-December 31	4	-	5,326	-	1,000
Pacific cod	391	2,954	137,426	60,000	49,999
Pollock/Atka mackerel/other species ³	200	197	53,265	5,000	5,000
Total BSAI trawl limited access PSC	745	26,489	3,420,143	411,228	1,241,500

¹ Refer to § 679.2 for definitions of areas.

² “Other flatfish” for PSC monitoring includes all flatfish species, except for halibut (a prohibited species), arrowtooth flounder, flathead sole, Greenland turbot, Kamchatka flounder, rock sole, and yellowfin sole.

³ “Other species” for PSC monitoring includes sculpins, sharks, skates, and octopuses.

Note: Species apportionments may not total precisely due to rounding.

TABLE 11—PROPOSED 2019 AND 2020 HALIBUT PROHIBITED SPECIES BYCATCH ALLOWANCES FOR NON-TRAWL FISHERIES

Halibut mortality (mt) BSAI				
Non-trawl fisheries	Seasons	Catcher/processor	Catcher vessel	All Non-Trawl
Pacific cod	Annual Pacific cod	648	13	n/a
	January 1-June 10	388	9	n/a
	June 10-August 15	162	2	n/a
	August 15-December 31	98	2	n/a
Non-Pacific cod non-trawl-Total	May 1-December 31	n/a	n/a	49
Groundfish pot and jig	n/a	n/a	n/a	Exempt
Sablefish hook-and-line	n/a	n/a	n/a	Exempt
Total for all non-trawl PSC	n/a	n/a	n/a	710

TABLE 12—PROPOSED 2019 AND 2020 PACIFIC HALIBUT DISCARD
MORTALITY RATES FOR THE BSAI

Gear	Sector	Halibut discard mortality rate (percent)
Pelagic trawl	All	100
Non-pelagic trawl	Mothership and catcher/processor	78
Non-pelagic trawl	Catcher vessel	59
Hook-and-line	Catcher vessel	4
Hook-and-line	Catcher/processor	8
Pot	All	19

Sources: 2017 OFLs, ABCs, and TACs are from harvest specifications adopted by the Council in December 2016; 2018 OFLs, ABCs, and TACs are from the harvest specifications adopted by the Council in December 2017. 2017 catches through December 31, 2017 and 2018 catches through September 8, 2018 from AKR Catch Accounting.

Table 1 (cont.) September GOA Plan Team Proposed OFL and ABC Recommendations (metric tons) for 2019-2020 (Page 2)

Species	Area	2017				2018				2019 and 2020		
		OFL	ABC	TAC	Catch	OFL	ABC	TAC	Catch as of 9/8/18	OFL	ABC	TAC
Pacific ocean perch	W	n/a	2,679	2,679	2,682	n/a	3,312	3,312	2,950	n/a	3,240	
	C	n/a	16,671	16,671	18,442	n/a	20,112	20,112	14,687	n/a	19,678	
	WYAK	n/a	2,786	2,786	2,757	n/a	3,371	3,371	3,352	n/a	3,298	
	W/C/WYAK	25,753	22,136	22,136	23,881	31,860	26,795	26,795	20,989	31,170	26,216	
	SEO	2,073	1,782	1,782	-	2,902	2,441	2,441	-	2,840	2,389	
	Total	27,826	23,918	23,918	23,881	34,762	29,236	29,236	20,989	34,010	28,605	
Northern Rockfish	W	n/a	432	432	234	n/a	420	420	225	n/a	382	
	C	n/a	3,354	3,354	1,601	n/a	3,261	3,261	1,966	n/a	2,965	
	E	n/a	4	-	-	n/a	4	-	-	n/a	3	
	Total	4,522	3,790	3,786	1,835	4,380	3,685	3,681	2,191	3,984	3,350	
Shortraker Rockfish	W	n/a	38	38	43	n/a	44	44	21	n/a	44	
	C	n/a	301	301	232	n/a	305	305	251	n/a	305	
	E	n/a	947	947	277	n/a	515	515	270	n/a	514	
	Total	1,715	1,286	1,286	552	1,151	864	864	542	1,151	863	
Dusky Rockfish	W	n/a	158	158	125	n/a	146	146	33	n/a	135	
	C	n/a	3,786	3,786	2,470	n/a	3,502	3,502	2,733	n/a	3,246	
	WYAK	n/a	251	251	22	n/a	232	232	11	n/a	215	
	EYAK/SEO	n/a	83	83	5	n/a	77	77	7	n/a	72	
	Total	5,233	4,278	4,278	2,622	4,841	3,957	3,957	2,784	4,488	3,668	
Rougheye and Blackspotted Rockfish	W	n/a	105	105	34	n/a	176	176	69	n/a	174	
	C	n/a	706	706	329	n/a	556	556	412	n/a	550	
	E	n/a	516	516	175	n/a	712	712	122	n/a	703	
	Total	1,594	1,327	1,327	538	1,735	1,444	1,444	603	1,715	1,427	
Demersal shelf rockfish	Total	357	227	227	130	394	250	250	122	394	250	
Thornyhead Rockfish	W	n/a	291	291	155	n/a	344	344	124	n/a	344	
	C	n/a	988	988	616	n/a	921	921	526	n/a	921	
	E	n/a	682	682	250	n/a	773	773	272	n/a	773	
	Total	2,615	1,961	1,961	1,021	2,717	2,038	2,038	922	2,717	2,038	
Other Rockfish	W/C	n/a	1,534	1,534	1,001	n/a	1,737	1,737	993	n/a	1,737	
	WYAK	n/a	574	574	45	n/a	368	368	111	n/a	368	
	EYAK/SEO	n/a	3,665	200	32	n/a	3,489	200	38	n/a	3,488	
	Total	7,424	5,773	2,308	1,078	7,356	5,594	2,305	1,142	7,356	5,593	
Atka mackerel	Total	6,200	4,700	3,000	1,074	6,200	4,700	3,000	1,218	6,200	4,700	
Big Skate	W	n/a	908	908	190	n/a	504	504	412	n/a	504	
	C	n/a	1,850	1,850	1,338	n/a	1,774	1,774	723	n/a	1,774	
	E	n/a	1,056	1,056	128	n/a	570	570	67	n/a	570	
	Total	5,086	3,814	3,814	1,656	3,797	2,848	2,848	1,202	3,797	2,848	
Longnose Skate	W	n/a	61	61	189	n/a	149	149	31	n/a	149	
	C	n/a	2,513	2,513	718	n/a	2,804	2,804	416	n/a	2,804	
	E	n/a	632	632	299	n/a	619	619	183	n/a	619	
	Total	4,274	3,206	3,206	1,206	4,763	3,572	3,572	630	4,763	3,572	
Other Skates	GOA-wide	2,558	1,919	1,919	1,573	1,845	1,384	1,384	470	1,845	1,384	
Sculpins	GOA-wide	7,338	5,591	5,591	1,316	6,958	5,301	5,301	385	6,958	5,301	
Sharks	GOA-wide	6,020	4,514	4,514	1,635	6,020	4,514	4,514	1,943	6,020	4,514	
Squids	GOA-wide	1,516	1,137	1,137	39	1,516	1,137	1,137	35	-	-	
Octopuses	GOA-wide	6,504	4,878	4,878	231	1,300	975	975	82	1,300	975	
TOTAL		796,158	667,877	535,863	303,577	655,707	536,921	427,512	164,758	602,897	479,050	

Sources: 2017 OFLs, ABCs, and TACs are from harvest specifications adopted by the Council in December 2016; 2018 OFLs, ABCs, and TACs are from the harvest specifications adopted by the Council in December 2017, 2017 catches through December 31, 2017 and 2018 catches through September 8, 2018 from AKR Catch Accounting.

Proposed 2019/2020 Gulf of Alaska Pacific cod ABCs, TACs and
State Guideline Harvest Levels (GHLs) in metric tons.

Specifications	Western	Central	Eastern	Total
ABC	7,633	7,667	1,700	17,000
State GHL	2,290	1,917	425	4,632
(%)	30%	25%	25%	25-30
Federal TAC	5,343	5,750	1,275	12,368

Table 14. Proposed 2019 and 2020 Pacific Halibut PSC Limits, Allowances, and Apportionments
(Values are in metric tons)

Trawl gear			Hook-and-line gear ¹				
			Other than DSR			DSR	
Season	Percent	Amount ²	Season	Percent	Amount	Season	Amount
January 20 - April 1	27.5	469	January 1 - June 10	86	221	January 1 - December 31	9
April 1 - July 1	20	341	June 10 - September 1	2	5		
July 1 - September 1	30	512	September 1 - December 31	12	31		
September 1 - October 1	7.5	128					
October 1 - December 31	15	256					
Total		1,706			257		9

¹ The Pacific halibut PSC limit for hook-and-line gear is allocated to the demersal shelf rockfish (DSR) fishery and fisheries other than DSR. The hook-and-line IFQ sablefish fishery is exempt from halibut PSC limits, as are pot and jig gear for all groundfish fisheries.

Table 15. Proposed 2019 and 2020 Seasonal Apportionments of the Pacific Halibut PSC Limit
Apportioned Between the Trawl Gear Shallow-Water and Deep-Water Species Fisheries

(Values are in metric tons)

Season	Shallow-water	Deep-water ¹	Total
January 20 - April 1	384	85	469
April 1 - July 1	85	256	341
July 1 - September 1	171	341	512
September 1 - October 1	128	Any remainder	128
Subtotal, January 20 - October 1	768	682	1,450
October 1 - December 31 ²			256
Total			1,706

¹ Vessels participating in cooperatives in the Rockfish Program will receive 191 mt of the third season (July 1 through September 1) deep-water species fishery halibut PSC apportionment.

² There is no apportionment between trawl shallow-water and deep-water species fisheries during the fifth season (October 1 through December 31).

Table 16. Proposed 2019 and 2020 Apportionments of the “Other hook-and-line fisheries” Halibut PSC Allowance Between the Hook-and-Line Gear Catcher Vessel and Catcher/Processor Sectors

(Values are in metric tons)

“Other than DSR” allowance	Hook-and-line sector	Sector annual amount	Season	Seasonal percentage	Sector seasonal amount
257	Catcher Vessel	120	January 1 - June 10	86	103
			June 10 - September 1	2	2
			September 1 - December 31	12	14
	Catcher/Processor	137	January 1 - June 10	86	118
			June 10 - September 1	2	3
			September 1 - December 31	12	16

Table 17. Final 2019 and 2020 Halibut Discard Mortality Rates for Vessels Fishing in the Gulf of Alaska. (Values are percent of halibut assumed to be dead.)

Gear	Sector	Groundfish fishery	Halibut discard mortality rate (percent)
Pelagic trawl	Catcher vessel	All	100
	Catcher/processor	All	100
Non-pelagic trawl	Catcher vessel	Rockfish Program	49
	Catcher vessel	All others	67
	Mothership and catcher/processor	All	79
Hook-and-line	Catcher/processor	All	11
	Catcher vessel	All	21
Pot	Catcher vessel and catcher/processor	All	4