

The following tables provide a range of 2015 and 2016 acceptable biological catches (ABCs) varied by the overfishing probability (P^*). These tables **replace** Tables 4 and 5, respectively in Agenda Item G.7.a, Attachment 1. The revisions are based on Scientific and Statistical Committee (SSC) recommendations made under Agenda Item G.7.b, Supplemental SSC Report for overfishing limits (OFLs), stock categories, and estimated biomass variance (σ) for groundfish stocks managed under the Pacific Coast Groundfish Fishery Management Plan (FMP).

Table 1. SSC-recommended stock categories and a range of alternative 2015 ABCs (mt) varied by the probability of overfishing (P*) for west coast groundfish stocks.

Stock	2015 OFL	Category	Range of Alternative 2015 ABCs							
			Overfishing Probability (P*)							
			0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.10
OVERFISHED STOCKS										
BOCACCI S. of 40°10' N. latitude	1,444	1	1,380	1,318	1,256	1,195	1,132	1,067	995	910
CANARY	NA	1	NA	NA	NA	NA	NA	NA	NA	NA
COWCOD S. of 40°10' N. latitude	NA		NA	NA	NA	NA	NA	NA	NA	NA
<i>COWCOD (Conception)</i>	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
<i>COWCOD (Monterey)</i>	NA	3	NA	NA	NA	NA	NA	NA	NA	NA
DARKBLOTCHED	588	1	562	537	512	487	461	435	405	370
PACIFIC OCEAN PERCH	842	1	805	769	733	697	660	622	580	530
PETRALE SOLE	2,946	1	2,816	2,690	2,563	2,439	2,310	2,177	2,030	1,856
YELLOWEYE	52	2	47	43	39	35	32	28	24	20
NON-OVERFISHED STOCKS										
Arrowtooth Flounder	6,599	2	6,025	5,497	5,002	4,527	4,058	3,603	3,128	2,620
Black Rockfish (OR-CA)	1,176	1	1,124	1,074	1,023	974	922	869	810	741
Black Rockfish (WA)	421	1	402	384	366	349	330	311	290	265
Cabezon (CA)	161	1	154	147	140	133	126	119	111	101
Cabezon (OR)	49	1	47	45	43	41	38	36	34	31
California scorpionfish	119	1	114	109	104	99	93	88	82	75
Chilipepper S. of 40°10' N. latitude	1,703	1	1,628	1,555	1,482	1,410	1,335	1,259	1,173	1,073
Dover Sole	66,871	1	63,929	61,053	58,178	55,369	52,427	49,418	46,074	42,129
English Sole	12,092	2	11,040	10,073	9,166	8,295	7,437	6,602	5,732	4,801
Lingcod N. of 40°10' N. latitude	3,010	1	2,830	2,659	2,494	2,334	2,172	2,010	1,835	1,637
Lingcod S. of 40°10' N. latitude	1,205	2	1,100	1,004	913	827	741	658	571	478
Longnose skate	2,449	1	2,341	2,236	2,130	2,027	1,920	1,810	1,687	1,543
Longspine Thornyhead (coastwide)	4,405	2	4,022	3,669	3,339	3,022	2,709	2,405	2,088	1,749
Pacific Cod	3,200	3	2,669	2,221	1,837	1,504	1,213	954	720	506
Sablefish (coastwide)	7,857	1	7,511	7,173	6,836	6,506	6,160	5,806	5,413	4,950
Shortbelly	6,950	2	6,345	5,789	5,268	4,768	4,274	3,795	3,294	2,759
Shortspine Thornyhead (coastwide)	3,204	2	2,925	2,669	2,429	2,198	1,970	1,749	1,519	1,272
Splitnose S. of 40°10' N. latitude	1,794	1	1,715	1,638	1,561	1,485	1,406	1,326	1,236	1,130
Starry Flounder	1,841	2	1,681	1,534	1,395	1,263	1,132	1,005	873	731
Widow	4,137	1	3,929	3,729	3,532	3,337	3,138	2,930	2,705	2,446
Yellowtail N. of 40°10' N. latitude	12,281	2	11,213	10,230	9,309	8,425	7,553	6,705	5,821	4,876

Stock	2015 OFL	Category	Range of Alternative 2015 ABCs							
			Overfishing Probability (P*)							
			0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.10
STOCK COMPLEXES										
Minor Nearshore Rockfish North	68		59	51	44	38	32	27	22	17
<i>Black and yellow</i>	0.014	3	0.011	0.009	0.008	0.006	0.005	0.004	0.003	0.002
<i>Blue (CA)</i>	27.4	2	25.0	22.9	20.8	18.8	16.9	15.0	13.0	10.9
<i>Blue (OR & WA)</i>	32.3	3	26.9	22.4	18.5	15.2	12.2	9.6	7.3	5.1
Brown	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
<i>Calico</i>	-	3	-	-	-	-	-	-	-	-
China	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
<i>Gopher</i>	-	3	-	-	-	-	-	-	-	-
<i>Grass</i>	0.7	3	0.5	0.5	0.4	0.3	0.2	0.2	0.1	0.1
<i>Kelp</i>	0.009	3	0.008	0.006	0.005	0.004	0.003	0.003	0.002	0.001
<i>Olive</i>	0.3	3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.0
<i>Quillback</i>	7.4	3	6.2	5.1	4.2	3.5	2.8	2.2	1.7	1.2
<i>Treefish</i>	0.2	3	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0
Minor Shelf Rockfish North	2,207		1,943	1,711	1,505	1,316	1,141	978	818	657
<i>Bronzespotted</i>	-	3	-	-	-	-	-	-	-	-
<i>Bocaccio</i>	284.0	3	236.9	197.1	163.0	133.5	107.6	84.6	63.9	44.9
<i>Chameleon</i>	-	3	-	-	-	-	-	-	-	-
<i>Chilipepper</i>	128.2	3	106.9	88.9	73.6	60.2	48.6	38.2	28.8	20.3
<i>Cowcod</i>	-	3	-	-	-	-	-	-	-	-
<i>Flag</i>	0.07	3	0.06	0.05	0.04	0.03	0.03	0.02	0.02	0.01
<i>Freckled</i>	-	3	-	-	-	-	-	-	-	-
<i>Greenblotched</i>	1.3	3	1.1	0.9	0.7	0.6	0.5	0.4	0.3	0.2
<i>Greenspotted 40°10' to 42° N. latitude</i>	9.3	2	8.5	7.7	7.0	6.4	5.7	5.1	4.4	3.7
<i>Greenspotted N. of 42 N. latitude (OR & WA)</i>	6.1	3	5.1	4.2	3.5	2.9	2.3	1.8	1.4	1.0
<i>Greenstriped</i>	1,281.9	2	1,170.3	1,067.8	971.7	879.4	788.3	699.9	607.6	508.9
<i>Halfbanded</i>	-	3	-	-	-	-	-	-	-	-
<i>Harlequin</i>	-	3	-	-	-	-	-	-	-	-
<i>Honeycomb</i>	-	3	-	-	-	-	-	-	-	-
<i>Mexican</i>	-	3	-	-	-	-	-	-	-	-
<i>Pink</i>	0.004	3	0.003	0.003	0.002	0.002	0.001	0.001	0.001	0.001
<i>Pinkrose</i>	-	3	-	-	-	-	-	-	-	-
<i>Puget Sound</i>	-	3	-	-	-	-	-	-	-	-
<i>Pygmy</i>	-	3	-	-	-	-	-	-	-	-
<i>Redstripe</i>	269.9	3	225.1	187.3	154.9	126.9	102.3	80.4	60.7	42.6

Stock	2015 OFL	Category	Range of Alternative 2015 ABCs							
			Overfishing Probability (P*)							
			0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.10
<i>Rosethorn</i>	12.9	3	10.8	9.0	7.4	6.1	4.9	3.8	2.9	2.0
<i>Rosy</i>	3.0	3	2.5	2.1	1.7	1.4	1.1	0.9	0.7	0.5
<i>Silvergray</i>	159.4	3	133.0	110.6	91.5	74.9	60.4	47.5	35.9	25.2
<i>Speckled</i>	0.17	3	0.14	0.12	0.10	0.08	0.06	0.05	0.04	0.03
<i>Squarespot</i>	0.17	3	0.14	0.12	0.10	0.08	0.07	0.05	0.04	0.03
<i>Starry</i>	0.00	3	0.003	0.003	0.002	0.002	0.001	0.001	0.001	0.001
Stripetail	40.4	3	33.7	28.0	23.2	19.0	15.3	12.0	9.1	6.4
<i>Swordspine</i>	0.0001	3	0.00008	0.00007	0.00006	0.00005	0.00004	0.00003	0.00002	0.00002
<i>Tiger</i>	1.0	3	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.2
<i>Vermilion</i>	9.7	3	8.1	6.7	5.6	4.6	3.7	2.9	2.2	1.5
Minor Slope Rockfish North	1,804		1,677	1,561	1,453	1,350	1,250	1,151	1,048	933
Aurora	17.4	1	16.6	15.8	15.0	14.2	13.4	12.5	11.6	10.6
<i>Bank</i>	17.2	3	14.4	12.0	9.9	8.1	6.5	5.1	3.9	2.7
<i>Blackgill</i>	4.7	3	3.9	3.3	2.7	2.2	1.8	1.4	1.1	0.7
<i>Redbanded</i>	45.3	3	37.7	31.4	26.0	21.3	17.2	13.5	10.2	7.2
Rougeye	201.9	1	193	184	176	167	158	149	139	127
Sharpchin	305.6	2	279.0	254.6	231.6	209.6	187.9	166.9	144.9	121.3
<i>Shortraker</i>	18.7	3	15.6	13.0	10.7	8.8	7.1	5.6	4.2	3.0
<i>Splitnose</i>	1,000.6	1	956.6	913.6	870.5	828.5	784.5	739.5	689.4	630.4
<i>Yellowmouth</i>	192.4	3	160.5	133.6	110.5	90.4	72.9	57.3	43.3	30.4
Minor Nearshore Rockfish South	793		694	609	534	466	405	348	294	240
<i>Shallow Nearshore Species</i>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<i>Black and yellow</i>	28	3	23.0	19.1	15.8	12.9	10.4	8.2	6.2	4.4
China	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
<i>Gopher (N of Pt. Conception)</i>	148	1	141.5	135.1	128.8	122.5	116.0	109.4	102.0	93.2
<i>Gopher (S of Pt. Conception)</i>	26	3	21.4	17.8	14.7	12.0	9.7	7.6	5.8	4.0
<i>Grass</i>	60	3	49.7	41.4	34.2	28.0	22.6	17.8	13.4	9.4
<i>Kelp</i>	28	3	23.1	19.2	15.9	13.0	10.5	8.2	6.2	4.4
<i>Deeper Nearshore Species</i>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<i>Blue (assessed area)</i>	189	2	172.2	157.1	142.9	129.4	116.0	103.0	89.4	74.9
<i>Blue (S of 34°27' N. latitude)</i>	73	3	60.8	50.6	41.8	34.3	27.6	21.7	16.4	11.5
Brown	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
<i>Calico</i>	-	3	-	-	-	-	-	-	-	-
Copper	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
<i>Olive</i>	225	3	187.4	155.9	128.9	105.6	85.1	66.9	50.5	35.5
<i>Quillback</i>	5	3	4.5	3.7	3.1	2.5	2.0	1.6	1.2	0.9

Stock	2015 OFL	Category	Range of Alternative 2015 ABCs							
			Overfishing Probability (P*)							
			0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.10
<i>Treefish</i>	13	3	11.0	9.2	7.6	6.2	5.0	3.9	3.0	2.1
Minor Shelf Rockfish South	1,914		1,621	1,372	1,156	967	800	648	509	378
<i>Bronzespotted</i>	3.6	3	3.0	2.5	2.1	1.7	1.4	1.1	0.8	0.6
<i>Chameleon</i>	-	3	-	-	-	-	-	-	-	-
<i>Flag</i>	23.4	3	19.5	16.3	13.4	11.0	8.9	7.0	5.3	3.7
<i>Freckled</i>	-	3	-	-	-	-	-	-	-	-
<i>Greenblotched</i>	23.1	3	19.3	16.1	13.3	10.9	8.8	6.9	5.2	3.7
<i>Greenspotted</i>	79.0	2	72.1	65.8	59.9	54.2	48.6	43.1	37.4	31.4
<i>Greenstriped</i>	235.1	2	214.7	195.9	178.2	161.3	144.6	128.4	111.5	93.3
<i>Halfbanded</i>	-	3	-	-	-	-	-	-	-	-
<i>Harlequin</i>	-	3	-	-	-	-	-	-	-	-
<i>Honeycomb</i>	9.9	3	8.2	6.8	5.7	4.6	3.7	2.9	2.2	1.6
<i>Mexican</i>	5.1	3	4.2	3.5	2.9	2.4	1.9	1.5	1.1	0.8
<i>Pink</i>	2.5	3	2.1	1.8	1.5	1.2	1.0	0.8	0.6	0.4
<i>Pinkrose</i>	-	3	-	-	-	-	-	-	-	-
<i>Pygmy</i>	-	3	-	-	-	-	-	-	-	-
<i>Redstripe</i>	0.5	3	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.1
<i>Rosethorn</i>	2.1	3	1.8	1.5	1.2	1.0	0.8	0.6	0.5	0.3
<i>Rosy</i>	44.5	3	37.1	30.9	25.5	20.9	16.9	13.3	10.0	7.0
<i>Silvergray</i>	0.5	3	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1
<i>Speckled</i>	39.4	3	32.8	27.3	22.6	18.5	14.9	11.7	8.9	6.2
<i>Squarespot</i>	11.1	3	9.2	7.7	6.4	5.2	4.2	3.3	2.5	1.8
<i>Starry</i>	62.6	3	52.2	43.4	35.9	29.4	23.7	18.6	14.1	9.9
<i>Stripetail</i>	23.6	3	19.7	16.4	13.6	11.1	9.0	7.0	5.3	3.7
<i>Swordspine</i>	14.2	3	11.9	9.9	8.2	6.7	5.4	4.2	3.2	2.2
<i>Tiger</i>	0.04	3	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01
<i>Vermilion</i>	269.3	3	224.6	186.9	154.6	126.6	102.1	80.2	60.6	42.5
<i>Yellowtail</i>	1,064.4	3	887.7	738.7	611.0	500.3	403.4	317.2	239.5	168.2
Minor Slope Rockfish South	806		699	606	525	452	387	326	269	214
<i>Aurora</i>	74.3	1	70.7	67.3	63.9	60.6	57.1	53.5	49.6	45.1
<i>Bank</i>	503.2	3	419.7	349.2	288.8	236.5	190.7	150.0	113.2	79.5
<i>Blackgill</i>	137.0	2	125.1	114.1	103.8	94.0	84.3	74.8	64.9	54.4
<i>Pacific ocean perch</i>	-	3	-	-	-	-	-	-	-	-
<i>Redbanded</i>	10.4	3	8.7	7.2	6.0	4.9	3.9	3.1	2.3	1.6
<i>Rougheye</i>	4.1	1	3.9	3.8	3.6	3.4	3.2	3.0	2.8	2.6
<i>Sharpchin</i>	76.4	2	69.8	63.6	57.9	52.4	47.0	41.7	36.2	30.3

Stock	2015 OFL	Category	Range of Alternative 2015 ABCs							
			Overfishing Probability (P*)							
			0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.10
<i>Shortraker</i>	0.10	3	0.09	0.07	0.06	0.05	0.04	0.03	0.02	0.02
<i>Yellowmouth</i>	0.8	3	0.7	0.6	0.5	0.4	0.3	0.3	0.2	0.1
Other Flatfish	11,298		9,865	8,620	7,517	6,521	5,606	4,758	3,939	3,126
<i>Butter sole</i>	4.6	3	3.9	3.2	2.7	2.2	1.8	1.4	1.0	0.7
<i>Curlfin sole</i>	8.2	3	6.9	5.7	4.7	3.9	3.1	2.5	1.9	1.3
<i>Flathead sole</i>	35.0	3	29.2	24.3	20.1	16.5	13.3	10.4	7.9	5.5
<i>Pacific sanddab</i>	4,801.0	3	4,004.0	3,331.9	2,755.8	2,256.5	1,819.6	1,430.7	1,080.2	758.6
<i>Rex sole</i>	5,609.0	2	5,121.0	4,672.3	4,251.6	3,847.8	3,449.5	3,062.5	2,658.7	2,226.8
<i>Rock sole</i>	66.7	3	55.6	46.3	38.3	31.3	25.3	19.9	15.0	10.5
<i>Sand sole</i>	773.2	3	644.8	536.6	443.8	363.4	293.0	230.4	174.0	122.2
Other Fish	2,523		b/	b/	b/	b/	b/	b/	b/	b/
<i>Big skate</i>	b/	3	b/	b/	b/	b/	b/	b/	b/	b/
<i>Cabazon (WA)</i>	a/	3	a/	a/	a/	a/	a/	a/	a/	a/
<i>California skate</i>	b/	3	b/	b/	b/	b/	b/	b/	b/	b/
<i>Finescale codling</i>	a/	3	a/	a/	a/	a/	a/	a/	a/	a/
<i>Kelp greenling (CA)</i>	b/	3	b/	b/	b/	b/	b/	b/	b/	b/
<i>Kelp greenling (OR & WA)</i>	a/	3	a/	a/	a/	a/	a/	a/	a/	a/
<i>Leopard shark</i>	b/	3	b/	b/	b/	b/	b/	b/	b/	b/
<i>Pacific grenadier</i>	b/	3	b/	b/	b/	b/	b/	b/	b/	b/
<i>Ratfish</i>	b/	3	b/	b/	b/	b/	b/	b/	b/	b/
<i>Soupyfin shark</i>	b/	3	b/	b/	b/	b/	b/	b/	b/	b/
<i>Spiny dogfish</i>	2,522.7	2	2,303.2	2,101.4	1,912.2	1,730.6	1,551.5	1,377.4	1,195.8	1,001.5

a/ No ABC contribution for these stocks given the lack of an approved method for estimating the OFL.

b/ No ABC recommended pending decisions on restructuring this complex.

Table 2. SSC-recommended stock categories and a range of alternative 2016 ABCs (mt) varied by the probability of overfishing (P*) for west coast groundfish stocks.

Stock	2016 OFL	Category	Range of Alternative 2016 ABCs							
			Overfishing Probability (P*)							
			0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.10
OVERFISHED STOCKS										
BOCACCI S. of 40°10' N. latitude	1,351	1	1,291	1,233	1,175	1,118	1,059	998	931	851
CANARY	NA	1	NA	NA	NA	NA	NA	NA	NA	NA
COWCOD S. of 40°10' N. latitude	NA		NA	NA	NA	NA	NA	NA	NA	NA
<i>COWCOD (Conception)</i>	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
<i>COWCOD (Monterey)</i>	NA	3	NA	NA	NA	NA	NA	NA	NA	NA
DARKBLOTCHED	595	1	569	543	518	493	466	440	410	375
PACIFIC OCEAN PERCH	850	1	813	776	740	704	666	628	586	536
PETRALE SOLE	3,044	1	2,910	2,779	2,648	2,520	2,386	2,250	2,097	1,918
YELLOWEYE	52	2	47	43	39	35	32	28	24	20
NON-OVERFISHED STOCKS										
Arrowtooth Flounder	6,396	2	5,840	5,328	4,848	4,388	3,934	3,492	3,032	2,539
Black Rockfish (OR-CA)	1,183	1	1,131	1,080	1,029	980	927	874	815	745
Black Rockfish (WA)	423	1	404	386	368	350	332	313	291	266
Cabezon (CA)	158	1	151	144	137	131	124	117	109	100
Cabezon (OR)	49	1	47	45	43	41	38	36	34	31
California scorpionfish	117	1	111	106	101	97	91	86	80	73
Chilipepper S. of 40°10' N. latitude	1,694	1	1,619	1,547	1,474	1,403	1,328	1,252	1,167	1,067
Dover Sole	59,221	1	56,615	54,069	51,522	49,035	46,429	43,764	40,803	37,309
English Sole	8,493	2	7,754	7,075	6,438	5,826	5,223	4,637	4,026	3,372
Lingcod N. of 40°10' N. latitude	2,891	1	2,719	2,555	2,398	2,245	2,089	1,934	1,766	1,577
Lingcod S. of 40°10' N. latitude	1,136	2	1,037	946	861	779	699	620	539	451
Longnose skate	2,405	1	2,299	2,196	2,092	1,991	1,885	1,777	1,657	1,515
Longspine Thornyhead (coastwide)	4,190	2	3,825	3,490	3,176	2,874	2,577	2,288	1,986	1,663
Pacific Cod	3,200	3	2,669	2,221	1,837	1,504	1,213	954	720	506
Sablefish (coastwide)	8,526	1	8,151	7,784	7,418	7,060	6,684	6,301	5,874	5,371
Shortbelly	6,950	2	6,345	5,789	5,268	4,768	4,274	3,795	3,294	2,759
Shortspine Thornyhead (coastwide)	3,168	2	2,892	2,639	2,401	2,173	1,948	1,730	1,502	1,258
Splitnose S. of 40°10' N. latitude	1,826	1	1,746	1,667	1,589	1,512	1,432	1,349	1,258	1,150
Starry Flounder	1,847	2	1,686	1,539	1,400	1,267	1,136	1,008	875	733
Widow	3,990	1	3,790	3,596	3,407	3,218	3,026	2,826	2,609	2,359
Yellowtail N. of 40°10' N. latitude	11,647	2	10,634	9,702	8,828	7,990	7,163	6,359	5,521	4,624

Stock	2016 OFL	Category	Range of Alternative 2016 ABCs Overfishing Probability (P*)							
			0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.10
STOCK COMPLEXES										
Minor Nearshore Rockfish North	69		59	51	44	38	33	27	22	17
<i>Black and yellow</i>	0.014	3	0.011	0.009	0.008	0.006	0.005	0.004	0.003	0.002
<i>Blue (CA)</i>	27.7	2	25.3	23.1	21.0	19.0	17.0	15.1	13.1	11.0
<i>Blue (OR & WA)</i>	32.3	3	26.9	22.4	18.5	15.2	12.2	9.6	7.3	5.1
Brown	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
<i>Calico</i>	-	3	-	-	-	-	-	-	-	-
China	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
<i>Gopher</i>	-	3	-	-	-	-	-	-	-	-
<i>Grass</i>	0.7	3	0.5	0.5	0.4	0.3	0.2	0.2	0.1	0.1
<i>Kelp</i>	0.009	3	0.008	0.006	0.005	0.004	0.003	0.003	0.002	0.001
<i>Olive</i>	0.32	3	0.26	0.22	0.18	0.15	0.12	0.09	0.07	0.05
<i>Quillback</i>	7.4	3	6.2	5.1	4.2	3.5	2.8	2.2	1.7	1.2
<i>Treefish</i>	0.22	3	0.18	0.15	0.12	0.10	0.08	0.06	0.05	0.03
Minor Shelf Rockfish North	2,217		1,952	1,719	1,512	1,323	1,147	983	823	661
<i>Bronzespotted</i>	-	3	-	-	-	-	-	-	-	-
<i>Bocaccio</i>	284.0	3	236.9	197.1	163.0	133.5	107.6	84.6	63.9	44.9
<i>Chameleon</i>	-	3	-	-	-	-	-	-	-	-
<i>Chilipepper</i>	127.5	3	106.4	88.5	73.2	59.9	48.3	38.0	28.7	20.2
<i>Cowcod</i>	-	3	-	-	-	-	-	-	-	-
<i>Flag</i>	0.07	3	0.06	0.05	0.04	0.03	0.03	0.02	0.02	0.01
<i>Freckled</i>	-	3	-	-	-	-	-	-	-	-
<i>Greenblotched</i>	1.3	3	1.1	0.9	0.7	0.6	0.5	0.4	0.3	0.2
<i>Greenspotted 40°10' to 42° N. latitude</i>	9.3	2	8.5	7.7	7.0	6.4	5.7	5.1	4.4	3.7
<i>Greenspotted N. of 42 N. latitude (OR & WA)</i>	6.1	3	5.1	4.2	3.5	2.9	2.3	1.8	1.4	1.0
<i>Greenstriped</i>	1,292.0	2	1,179.6	1,076.2	979.3	886.3	794.6	705.4	612.4	512.9
<i>Halfbanded</i>	-	3	-	-	-	-	-	-	-	-
<i>Harlequin</i>	-	3	-	-	-	-	-	-	-	-
<i>Honeycomb</i>	-	3	-	-	-	-	-	-	-	-
<i>Mexican</i>	-	3	-	-	-	-	-	-	-	-
<i>Pink</i>	0.004	3	0.003	0.003	0.002	0.002	0.001	0.001	0.001	0.001
<i>Pinkrose</i>	-	3	-	-	-	-	-	-	-	-
<i>Puget Sound</i>	-	3	-	-	-	-	-	-	-	-
<i>Pygmy</i>	-	3	-	-	-	-	-	-	-	-
<i>Redstripe</i>	269.9	3	225.1	187.3	154.9	126.9	102.3	80.4	60.7	42.6

Stock	2016 OFL	Category	Range of Alternative 2016 ABCs Overfishing Probability (P*)							
			0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.10
<i>Rosethorn</i>	12.9	3	10.8	9.0	7.4	6.1	4.9	3.8	2.9	2.0
<i>Rosy</i>	3.0	3	2.5	2.1	1.7	1.4	1.1	0.9	0.7	0.5
<i>Silvergray</i>	159.4	3	133.0	110.6	91.5	74.9	60.4	47.5	35.9	25.2
<i>Speckled</i>	0.17	3	0.14	0.12	0.10	0.08	0.06	0.05	0.04	0.03
<i>Squarespot</i>	0.17	3	0.14	0.12	0.10	0.08	0.07	0.05	0.04	0.03
<i>Starry</i>	0.004	3	0.003	0.003	0.002	0.002	0.001	0.001	0.001	0.001
Stripetail	40.4	3	33.7	28.0	23.2	19.0	15.3	12.0	9.1	6.4
<i>Swordspine</i>	0.0	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Tiger</i>	1.0	3	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.2
<i>Vermilion</i>	9.7	3	8.1	6.7	5.6	4.6	3.7	2.9	2.2	1.5
Minor Slope Rockfish North	1,817		1,691	1,574	1,465	1,363	1,262	1,163	1,059	944
Aurora	17.5	1	16.7	15.9	15.1	14.3	13.5	12.6	11.7	10.6
<i>Bank</i>	17.2	3	14.4	12.0	9.9	8.1	6.5	5.1	3.9	2.7
<i>Blackgill</i>	4.7	3	3.9	3.3	2.7	2.2	1.8	1.4	1.1	0.7
<i>Redbanded</i>	45.3	3	37.7	31.4	26.0	21.3	17.2	13.5	10.2	7.2
Rougheyeye	205.8	1	197	188	179	170	161	152	142	130
Sharpchin	297.6	2	271.7	247.9	225.6	204.2	183.0	162.5	141.1	118.1
<i>Shortraker</i>	18.7	3	15.6	13.0	10.7	8.8	7.1	5.6	4.2	3.0
<i>Splitnose</i>	1,018.2	1	973.4	929.6	885.8	843.0	798.2	752.4	701.5	641.4
<i>Yellowmouth</i>	192.4	3	160.5	133.6	110.5	90.4	72.9	57.3	43.3	30.4
Minor Nearshore Rockfish South	791		692	607	532	464	403	346	292	238
<i>Shallow Nearshore Species</i>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<i>Black and yellow</i>	27.5	3	23.0	19.1	15.8	12.9	10.4	8.2	6.2	4.4
China	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
<i>Gopher (N of Pt. Conception)</i>	144.0	1	137.7	131.5	125.3	119.2	112.9	106.4	99.2	90.7
<i>Gopher (S of Pt. Conception)</i>	25.6	3	21.4	17.8	14.7	12.0	9.7	7.6	5.8	4.0
<i>Grass</i>	59.6	3	49.7	41.4	34.2	28.0	22.6	17.8	13.4	9.4
<i>Kelp</i>	27.7	3	23.1	19.2	15.9	13.0	10.5	8.2	6.2	4.4
<i>Deeper Nearshore Species</i>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<i>Blue (assessed area)</i>	190.3	2	173.8	158.5	144.3	130.6	117.0	103.9	90.2	75.6
<i>Blue (S of 34°27' N. latitude)</i>	72.9	3	60.8	50.6	41.8	34.3	27.6	21.7	16.4	11.5
Brown	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
<i>Calico</i>	-	3	-	-	-	-	-	-	-	-
Copper	NA	2	NA	NA	NA	NA	NA	NA	NA	NA
<i>Olive</i>	224.6	3	187.4	155.9	128.9	105.6	85.1	66.9	50.5	35.5
<i>Quillback</i>	5.4	3	4.5	3.7	3.1	2.5	2.0	1.6	1.2	0.9

Stock	2016 OFL	Category	Range of Alternative 2016 ABCs Overfishing Probability (P*)							
			0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.10
<i>Treefish</i>	13.2	3	11.0	9.2	7.6	6.2	5.0	3.9	3.0	2.1
Minor Shelf Rockfish South	1,915		1,622	1,373	1,157	968	800	649	510	378
<i>Bronzespotted</i>	3.6	3	3.0	2.5	2.1	1.7	1.4	1.1	0.8	0.6
<i>Chameleon</i>	-	3	-	-	-	-	-	-	-	-
<i>Flag</i>	23.4	3	19.5	16.3	13.4	11.0	8.9	7.0	5.3	3.7
<i>Freckled</i>	-	3	-	-	-	-	-	-	-	-
<i>Greenblotched</i>	23.1	3	19.3	16.1	13.3	10.9	8.8	6.9	5.2	3.7
<i>Greenspotted</i>	78.4	2	71.6	65.3	59.5	53.8	48.2	42.8	37.2	31.1
<i>Greenstriped</i>	237.0	2	216.4	197.4	179.6	162.6	145.8	129.4	112.3	94.1
<i>Halfbanded</i>	-	3	-	-	-	-	-	-	-	-
<i>Harlequin</i>	-	3	-	-	-	-	-	-	-	-
<i>Honeycomb</i>	9.9	3	8.2	6.8	5.7	4.6	3.7	2.9	2.2	1.6
<i>Mexican</i>	5.1	3	4.2	3.5	2.9	2.4	1.9	1.5	1.1	0.8
<i>Pink</i>	2.5	3	2.1	1.8	1.5	1.2	1.0	0.8	0.6	0.4
<i>Pinkrose</i>	-	3	-	-	-	-	-	-	-	-
<i>Pygmy</i>	-	3	-	-	-	-	-	-	-	-
<i>Redstripe</i>	0.5	3	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.1
<i>Rosethorn</i>	2.1	3	1.8	1.5	1.2	1.0	0.8	0.6	0.5	0.3
<i>Rosy</i>	44.5	3	37.1	30.9	25.5	20.9	16.9	13.3	10.0	7.0
<i>Silvergray</i>	0.5	3	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1
<i>Speckled</i>	39.4	3	32.8	27.3	22.6	18.5	14.9	11.7	8.9	6.2
<i>Squarespot</i>	11.1	3	9.2	7.7	6.4	5.2	4.2	3.3	2.5	1.8
<i>Starry</i>	62.6	3	52.2	43.4	35.9	29.4	23.7	18.6	14.1	9.9
<i>Stripetail</i>	23.6	3	19.7	16.4	13.6	11.1	9.0	7.0	5.3	3.7
<i>Swordspine</i>	14.2	3	11.9	9.9	8.2	6.7	5.4	4.2	3.2	2.2
<i>Tiger</i>	0.04	3	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01
<i>Vermilion</i>	269.3	3	224.6	186.9	154.6	126.6	102.1	80.2	60.6	42.5
<i>Yellowtail</i>	1,064.4	3	887.7	738.7	611.0	500.3	403.4	317.2	239.5	168.2
Minor Slope Rockfish South	807		700	607	525	453	387	327	270	214
<i>Aurora</i>	74.3	1	70.7	67.3	63.9	60.6	57.1	53.5	49.6	45.1
<i>Bank</i>	503.2	3	419.7	349.2	288.8	236.5	190.7	150.0	113.2	79.5
<i>Blackgill</i>	140.0	2	127.8	116.6	106.1	96.0	86.1	76.4	66.4	55.6
<i>Pacific ocean perch</i>	-	3	-	-	-	-	-	-	-	-
<i>Redbanded</i>	10.4	3	8.7	7.2	6.0	4.9	3.9	3.1	2.3	1.6
<i>Rougheye</i>	4.2	1	4	4	4	3	3	3	3	3
<i>Sharpchin</i>	74.4	2	67.9	62.0	56.4	51.0	45.8	40.6	35.3	29.5

Stock	2016 OFL	Category	Range of Alternative 2016 ABCs Overfishing Probability (P*)							
			0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.10
<i>Shorthead</i>	0.10	3	0.09	0.07	0.06	0.05	0.04	0.03	0.02	0.02
<i>Yellowmouth</i>	0.8	3	0.7	0.6	0.5	0.4	0.3	0.3	0.2	0.1
Other Flatfish	9,948		8,633	7,496	6,494	5,595	4,775	4,021	3,299	2,590
<i>Butter sole</i>	4.6	3	3.9	3.2	2.7	2.2	1.8	1.4	1.0	0.7
<i>Curlfin sole</i>	8.2	3	6.9	5.7	4.7	3.9	3.1	2.5	1.9	1.3
<i>Flathead sole</i>	35.0	3	29.2	24.3	20.1	16.5	13.3	10.4	7.9	5.5
<i>Pacific sanddab</i>	4,801.0	3	4,004.0	3,331.9	2,755.8	2,256.5	1,819.6	1,430.7	1,080.2	758.6
<i>Rex sole</i>	4,259.0	2	3,888.5	3,547.7	3,228.3	2,921.7	2,619.3	2,325.4	2,018.8	1,690.8
<i>Rock sole</i>	66.7	3	55.6	46.3	38.3	31.3	25.3	19.9	15.0	10.5
<i>Sand sole</i>	773.2	3	644.8	536.6	443.8	363.4	293.0	230.4	174.0	122.2
Other Fish	2,503	0	b/	b/	b/	b/	b/	b/	b/	b/
<i>Big skate</i>	b/	3	b/	b/	b/	b/	b/	b/	b/	b/
<i>Cabazon (WA)</i>	a/	3	a/	a/	a/	a/	a/	a/	a/	a/
<i>California skate</i>	b/	3	b/	b/	b/	b/	b/	b/	b/	b/
<i>Finescale codling</i>	a/	3	a/	a/	a/	a/	a/	a/	a/	a/
<i>Kelp greenling (CA)</i>	b/	3	b/	b/	b/	b/	b/	b/	b/	b/
<i>Kelp greenling (OR & WA)</i>	a/	3	a/	a/	a/	a/	a/	a/	a/	a/
<i>Leopard shark</i>	b/	3	b/	b/	b/	b/	b/	b/	b/	b/
<i>Pacific grenadier</i>	b/	3	b/	b/	b/	b/	b/	b/	b/	b/
<i>Ratfish</i>	b/	3	b/	b/	b/	b/	b/	b/	b/	b/
<i>Southern shark</i>	b/	3	b/	b/	b/	b/	b/	b/	b/	b/
<i>Spiny dogfish</i>	2,503.3	2	2,285.5	2,085.2	1,897.5	1,717.2	1,539.5	1,366.8	1,186.5	993.8

a/ No ABC contribution for these stocks given the lack of an approved method for estimating the OFL.

b/ No ABC recommended pending decisions on restructuring this complex.