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TABLE 2a TO PART 660, SUBPART C—2014, AND BEYOND, SPECIFICATIONS OF OFL, ABC, ACL, ACT AND FISHERY HARVEST GUIDELINES (WEIGHTS IN METRIC TONS)

Table 2a. To Part 660, Subpart C- 2014, and Beyond, Specifications of OFL, ABC, ACL, ACT and Fishery Harvest guidelines(weights in metric tons).

Species	Area	OFL	ABC	ACL a/	Fishery HG b/
Arrowtooth flounder c/	Coastwide	6,912	5,758	5,758	3,671
Black d/ e/	N of 46°16' N. lat.	428	409	409	395
	S of 46°16' N. lat.	1,166	1,115	1,000	1,000
Bocaccio f/	S of 40°10' N. lat.	881	842	337	328.6
Cabezon g/ h/	46°16' to 42° N. lat.	49	47	47	47
	S of 42° N. lat.	165	158	158	158
California scorpionfish i/	S of 34°27' N. lat.	122	117	117	115
Canary rockfish j/	Coastwide	741	709	119	101.5
Chilipepper k/	S of 40°10' N. lat.	1,722	1,647	1,647	1,423
Cowcod l/	S of 40°10' N. lat.	12	9	3	2.9
Darkblotched rockfish m/	Coastwide	553	529	330	309.2
Dover sole n/	Coastwide	77,774	74,352	25,000	23,410
English sole o/	Coastwide	5,906	5,646	5,646	5,543
Lingcod p/ q/	N of 40° 10' N. lat.	3,162	2,878	2,878	2,600
	S of 40° 10' N. lat.	1,276	1,063	1,063	1,054
Longnose skate r/	Coastwide	2,816	2,692	2,000	1,928
Longspine thornyhead s/	N of 34°27' N. lat.	3,304	2,752	1,958	1,912
	S of 34°27' N. lat.			347	344
Minor nearshore rockfish north t/	N of 40°10' N. lat.	110	94	94	94
Minor shelf rockfish north u/	N of 40°10' N. lat.	2,195	1,932	968	903
Minor slope rockfish north v/	N of 40°10' N. lat.	1,553	1,414	1,160	1,098
Minor nearshore rockfish south w/	S of 40°10' N. lat.	1,160	1,001	990	990
Minor shelf rockfish south x/	S of 40°10' N. lat.	1,913	1,620	714	668.0
Minor slope rockfish south y/	S of 40°10' N. lat.	685	622	622	601
Other fish z/	Coastwide	6,802	4,697	4,697	4,520
Other flatfish aa/	Coastwide	10,060	6,982	4,884	4,682
Pacific cod bb/	Coastwide	3,200	2,221	1,600	1,191
Pacific ocean perch (POP) cc/	N of 40° 10' N. lat.	838	801	153	136.5
Pacific whiting dd/	Coastwide	825,000	dd/	dd/	259,370
Petrale sole ee/	Coastwide	2,774	2,652	2,652	2,418.0
Sablefish ff/ gg/	N of 36° N. lat.	7,158	6,535	4,349	See Table 1c
	S of 36° N. lat.			1,560	1,555
Shortbelly hh/	Coastwide	6,950	5,789	50	48
Shortspine thornyhead ii/	N of 34°27' N. lat.	2,310	2,208	1,525	1,466
	S of 34°27' N. lat.			393	351
Splitnose jj/	S of 40°10' N. lat.	1,747	1,670	1,670	1,658
Starry flounder kk/	Coastwide	1,834	1,528	1,528	1,521
Widow ll/	Coastwide	4,435	4,212	1,500	1,411
Yelloweye rockfish mm/	Coastwide	51	43	18	12.2
Yellowtail nn/	N of 40°10' N. lat.	4,584	4,382	4,382	3,681

a/ ACLs, ACTs and HGs are specified as total catch values.

b/Fishery harvest guidelines means the harvest guideline or quota after subtracting from the ACL or ACT Pacific Coast treaty Indian tribes allocations and projected catch, projected research catch, deductions for fishing mortality in non-groundfish fisheries, and deductions for EFPs.

c/ Arrowtooth flounder. The stock was last assessed in 2007 and was estimated to be at 79 percent of its unfished biomass in 2007. The OFL of 6,912 mt is based on the 2007 assessment with an $F_{30\%}$ F_{MSY} proxy. The ABC of 5,758 mt is a 17 percent reduction from the OFL (σ=0.72/P*=0.40) as it's a category 2 stock. Because the stock is above $B_{25\%}$, the ACL is set equal to the ABC. 2,087.39 mt is deducted from the ACL for the Tribal fishery (2,041 mt), the incidental open access fishery (30 mt), and research catch (16.39 mt), resulting in a fishery HG of 3,671 mt.

d/ Black rockfish north (Washington). A stock assessment was prepared for black rockfish north of 45°46' N. lat. (Cape Falcon, Oregon) in 2007. The biomass in the north was estimated to be at 53 percent of its unfished biomass in 2007. The OFL from the assessed area is based on the 2007 assessment with a harvest rate proxy of $F_{50\%}$. The resulting OFL for the area north of 46°16 N. lat. is 428 mt and is 97 percent of the OFL from the assessed area based on the area distribution of historical catch. The ABC of 409 mt for the north is a 4 percent reduction from the OFL (σ=0.36/P*=0.45) as it's a category 1 stock. The ACL was set equal to the ABC since the stock is above $B_{40\%}$. 14 mt is deducted from the ACL for the Tribal fishery, resulting in a fishery HG of 395 mt.

e/ Black rockfish south (Oregon and California). A stock assessment was prepared for black rockfish south of 45°46 N. lat. (Cape Falcon, Oregon) to Central California in 2007. The biomass in the south was estimated to be at 70 percent of its unfished biomass in 2007. The OFL from the assessed area is based on the 2007 assessment with a harvest rate proxy of $F_{50\%}$ plus 3 percent of the OFL from the stock assessment prepared for black rockfish north of 45°46' N. lat. The resulting OFL for the area south of 46°16 N. lat. is 1,166 mt. The ABC of 1,115 mt and is a 4 percent reduction from the OFL (σ=0.36/P*=0.45) as it's a category 1 stock. The 2013 and 2014 ACL is 1,000 mt, which maintains the constant catch strategy designed to keep the stock biomass above $B_{40\%}$. There are no deductions from the ACL thus the fishery HG is equal to the ACL. The black rockfish ACL, in the area south of 46°16' N. lat. (Columbia River), is subdivided with separate HGs being set for waters off Oregon (580 mt/58 percent) and for waters off California (420 mt/42 percent).

f/ Bocaccio. A bocaccio stock assessment update was prepared in 2011 for the bocaccio stock between the U.S.-Mexico border and Cape Blanco. The stock is managed with stock-specific harvest specifications south of 40°10' N. lat. and within the minor shelf rockfish complex north of 40°10 N. lat. Historical catch distribution of approximately 6 percent was used to apportion the assessed stock to the area north of 40°10' N. lat. The bocaccio stock was estimated to be at 26 percent of its unfished biomass in 2011. The OFL of 881 mt is based on the 2011 stock assessment STAT model with an F_{MSY} proxy of $F_{50\%}$. The ABC of 842 mt is a 4 percent reduction from the OFL (σ=0.36/P*=0.45) as it's a category 1 stock. The 337 mt ACL is based on a rebuilding plan with a target year to rebuild of 2022 and an SPR harvest rate of 77.7 percent. 8.4 mt is deducted from the ACL for the incidental open access fishery (0.7 mt), EFP catch (6.0 mt) and research catch (1.7 mt), resulting in a fishery HG of 328.6 mt. The California recreational fishery has an HG of 172.5 mt.

g/ Cabezon (Oregon). A cabezon stock assessment was prepared in 2009. The cabezon biomass in waters off Oregon was estimated to be at 52 percent of its unfished biomass in 2009. The OFL of 49 mt was calculated using an F_{MSY} proxy of $F_{45\%}$. The ABC of 47 mt was based on a 4 percent reduction from the OFL (σ=0.36/P*=0.45) as it's a category 1 species. Because the stock is above $B_{40\%}$, the ACL is set equal to the ABC. There are no deductions from the ACL so the fishery HG is also equal to the ACL at 47 mt. Cabezon in waters off Oregon were removed from the "other fish" complex in 2011.

h/ Cabezon (California). A cabezon stock assessment was prepared in 2009. The cabezon biomass in waters off California was estimated to be at 48 percent of its unfished biomass in 2009. The OFL of 165 mt was calculated using an F_{MSY} proxy of $F_{45\%}$. The ABC of 158 mt was based on a 4 percent reduction from the OFL (σ=0.36/P*=0.45) as it's a category 1 stock. Because the stock is above $B_{40\%}$, the ACL is set equal to the ABC. There are no deductions from the ACL so the fishery HG is also equal to the ACL at 158 mt.

i/ California scorpionfish was assessed in 2005 and was estimated to be at 80 percent of its unfished biomass in 2005. The OFL of 122 mt is based on the 2005 assessment with a harvest rate proxy of $F_{50\%}$. The ABC of 117 mt is a 4 percent reduction from the OFL (σ=0.36/P*=0.45) as it's a category 1 stock. Because the stock is above $B_{40\%}$, the ACL is set equal to the ABC. 2 mt is deducted from the ACL for the incidental open access fishery, resulting in a fishery HG of 115 mt.

j/ Canary rockfish. A canary rockfish stock assessment update was prepared in 2011 and the stock was estimated to be at 24 percent of its unfished biomass coastwide in 2011. The coastwide OFL of 741 mt is based on the new assessment with a F_{MSY} proxy of $F_{50\%}$. The ABC of 709 mt is a 4 percent reduction from the OFL (σ=0.36/P*=0.45) as it's a category 1 stock. The ACL of 119 mt is based on a rebuilding plan with a target year to rebuild of 2030 and

a SPR harvest rate of 88.7 percent. 17.5 mt is deducted from the ACL for the Tribal fishery (9.5 mt), the incidental open access fishery (2 mt), EFP catch (1.5 mt) and research catch (4.5 mt) resulting in a fishery HG of 101.5 mt. Recreational HGs are being specified: Washington, 3.2; Oregon 11.1 mt; and California 23 mt.

k/ Chilipepper. The coastwide chilipepper stock was assessed in 2007 and estimated to be at 70 percent of its unfished biomass coastwide in 2006. Chilipepper are managed with stock-specific harvest specifications south of 40°10 N. lat. and within the minor shelf rockfish complex north of 40°10' N. lat. Projected OFLs are stratified north and south of 40°10' N. latitude based on the average 1998-2008 assessed area catch, which is 93 percent for the area south of 40°10' N. latitude and 7 percent for the area north of 40°10' N. latitude. South of 40°10' N. lat., the OFL of 1,722 mt is based on the 2007 assessment with an F_{MSY} proxy of $F_{50\%}$. The ABC of 1,647 mt is a 4 percent reduction from the OFL (σ=0.36/P*=0.45) as it's a category 1 stock. Because the unfished biomass is estimated to be above 40 percent of the unfished biomass, the ACL was set equal to the ABC. 224 mt is deducted from the ACL for the incidental open access fishery (5 mt), EFP fishing (210 mt), and research catch (9 mt), resulting in a fishery HG of 1,423 mt.

l/ Cowcod. A stock assessment update prepared in 2009 estimated the stock to be 5 percent of its unfished biomass in 2009. The OFLs for the Monterey and Conception areas were summed to derive the south of 40°10 N. lat. OFL of 12 mt. The ABC for the area south of 40°10' N. lat. is 9 mt. The assessed portion of the stock in the Conception Area was considered category 2, with a Conception Area contribution to the ABC of 5 mt, which is a 17 percent reduction from the OFL (σ=0.72/P*=0.40). The unassessed portion of the stock in the Monterey area was considered a category 3 stock, with a contribution to the ABC of 3 mt, which is a 31 percent reduction from the OFL (σ=1.44/P*=0.40). A single ACL of 3 mt is being set for both areas combined. The ACL of 3 mt is based on a rebuilding plan with a target year to rebuild of 2068 and an SPR rate of 82.7 percent. 0.1 mt is deducted from the ACL for the amount anticipated to be taken during research activity (0.1 mt), resulting in a fishery HG of 2.9 mt.

m/ Darkblotched rockfish. A stock assessment update was prepared in 2011, and the stock was estimated to be at 30.2 percent of its unfished biomass in 2011. The OFL is projected to be 553 mt and is based on the 2011 stock assessment with an F_{MSY} proxy of $F_{50\%}$. The ABC of 529 mt is a 4 percent reduction from the OFL (σ=0.36/P*=0.45) as it's a category 1 stock. The ACL of 330 mt is based on a rebuilding plan with a target year to rebuild of 2025 and an SPR harvest rate of 64.9 percent. 20.8 mt is deducted from the ACL for the Tribal fishery (0.1 mt), the incidental open access fishery (18.4 mt), EFP catch (0.2 mt) and research catch (2.1 mt), resulting in a fishery HG of 309.2 mt.

n/ Dover sole. A 2011 Dover sole assessment estimated the stock to be at 83.7 percent of its unfished biomass in 2011. The OFL of 77,774 mt is based on the results of the 2011 stock assessment with an F_{MSY} proxy of $F_{30\%}$. The ABC of 74,352 mt is a 4 percent reduction from the OFL (σ=0.36/P*=0.45) as it's a category 1 stock. Because the stock is above $B_{25\%}$ coastwide, the ACL could be set equal to the ABC. However, the ACL of 25,000 mt is set at a level below the ABC and higher than the maximum historical landed catch. 1,590 mt is deducted from the ACL for the Tribal fishery (1,497 mt), the incidental open access fishery (55 mt) and research catch (38 mt), resulting in a fishery HG of 23,410 mt.

o/ English sole. A stock assessment update was prepared in 2007. The stock was estimated to be at 116 percent of its unfished biomass in 2007. The OFL of 5,906 mt is based on the results of the 2007 assessment update with an F_{MSY} proxy of $F_{30\%}$. The ABC of 5,646 mt is a 4 percent reduction from the OFL (σ=0.36/P*=0.45) as it's a category 1 stock. Because the stock is above $B_{25\%}$, the ACL was set equal to the ABC. 103 mt is deducted from the ACL for the Tribal fishery (91 mt), the incidental open access fishery (7 mt) and research catch (5 mt), resulting in a fishery HG of 5,543 mt.

p/ Lingcod north. A lingcod stock assessment was prepared in 2009. The lingcod biomass off Washington and Oregon was estimated to be at 62 percent of its unfished biomass in 2009. The OFL of 3,162 mt was calculated using an F_{MSY} proxy of $F_{45\%}$. The ABC of 2,878 mt was based on a 4 percent reduction from the OFL (σ=0.36/P*=0.45) for the area north of 42° N. lat. as it's a category 1 stock, and 17 percent reduction from the OFL (σ=0.72/P*=0.40) for the area between 42° N. lat. and 40°10'N. lat. as it's a category 2 stock. The ACL was set equal to the ABC. 277.7 mt is deducted from the ACL for the Tribal fishery (250 mt), the incidental open access fishery (16 mt) and research catch (11.67 mt), resulting in a fishery HG of 2,600 mt.

q/ Lingcod south . A lingcod stock assessment was prepared in 2009. The lingcod biomass off California was estimated to be at 74 percent of its unfished biomass in 2009. The OFL of 1,276 mt was calculated using an F_{MSY} proxy of $F_{45\%}$. The ABC of 1,063 mt was based on a 17 percent reduction from the OFL (σ=0.72/P*=0.40) as it's a category 2 stock. The ACL was set equal to the ABC. 9 mt is deducted from the ACL for the incidental open access fishery (7 mt) and EFP fishing (2 mt), resulting in a fishery HG of 1,054 mt.

r/ Longnose skate. A stock assessment was prepared in 2007 and the stock was estimated to be at 66 percent of its unfished biomass. The OFL of 2,816 mt is based on the 2007 stock assessment with an F_{MSY} proxy of $F_{45\%}$. The ABC of 2,692 mt is a 4 percent reduction from the OFL (σ=0.36/P*=0.45) as it's a category 1 stock. The ACL of 2,000 mt is a fixed harvest level that provides greater access to the stock. 72.18 mt is deducted from the ACL for the Tribal fishery (56 mt), incidental open access fishery (3 mt), and research catch (13.18 mt), resulting in a fishery HG of 1,928 mt.

s/ Longspine thornyhead. A coastwide stock assessment was conducted in 2005 and the stock was estimated to be at 71 percent of its unfished biomass in 2005. A coastwide OFL of 3,304 mt is based on the 2005 stock assessment with a $F_{50\%}$ F_{MSY} proxy. The ABC of 2,752 mt is a 17 percent reduction from the OFL (σ=0.72/P*=0.40) as it's a category 2 stock. For the portion of the stock that is north of 34°27' N. lat., the ACL is 1,958 mt, and is 79 percent of the coastwide OFL for the biomass found in that area reduced by an additional 25 percent as a precautionary adjustment. 46 mt is deducted from the ACL for the Tribal fishery (30 mt), the incidental open access fishery (3 mt), and research catch (13 mt) resulting in a fishery HG of 1,912 mt. For that portion of the stock south of 34°27' N. lat. the ACL is 347 mt and is 21 percent of the coastwide OFL reduced by 50 percent as a precautionary adjustment. 3 mt is deducted from the ACL for the incidental open access fishery (2 mt), and research catch (1 mt) resulting in a fishery HG of 344 mt.

t/ Minor nearshore rockfish north. The OFL of 110 mt is the sum of the OFL contributions for the component species within the complex. The ABCs for the minor rockfish complexes are based on a sigma value of 0.72 for category 2 stocks (blue rockfish in California) and 1.44 for category 3 stocks (all others) with a P* of 0.45. The resulting ABC of 94 mt is the summed contribution of the ABCs for the component species. The ACL is set equal to the complex ABC. No deductions are made to the ACL, thus the fishery HG is equal to the ACL, which is 94 mt.

u/ Minor shelf rockfish north. The OFL of 2,195 mt is the sum of the OFL contributions for the component species within the complex. The ABCs for the minor rockfish complexes are based on a sigma value of 0.72 for category 2 stocks (greenspotted rockfish between 40°10' and 42° N. lat. and greenstriped rockfish) and 1.44 for category 3 stocks (all others) with a P* of 0.45. The resulting ABC of 1,932 mt is the summed contribution of the ABCs for the component species. The ACL of 968 mt is the same as the 2012 ACL. 65.24 mt is deducted from the ACL for the Tribal fishery (30 mt), the incidental open access fishery (26 mt), EFP catch (3 mt) and research catch (6.24 mt) resulting in a fishery HG of 902.8 mt.

v/ Minor slope rockfish north. The OFL of 1,553 mt is the sum of the OFL contributions for the component species within the complex. The ABCs for the northern minor slope rockfish complex is based on a sigma value of 0.36 for category 1 stocks (splitnose rockfish) and 1.44 for category 3 stocks (all others) with a P* of 0.45. The resulting ABC of 1,414 mt is the summed contribution of the ABCs for the component species. The ACL of 1,160 mt is the same as the 2012 ACL. 62 mt is deducted from the ACL for the Tribal fishery (36 mt), the incidental open access fishery (19 mt), EFP catch (1 mt) and research catch (6 mt), resulting in a fishery HG of 1,098 mt.

w/ Minor nearshore rockfish south. The OFL of 1,160 mt is the sum of the OFL contributions for the component species within the complex. The ABC for the southern minor nearshore rockfish complex is based on a sigma value of 0.36 for category 1 stocks (gopher rockfish north of 34°27' N. lat.), 0.72 for category 2 stocks (blue rockfish north of 34°27' N. lat.) and 1.44 for category 3 stocks (all others) with a P* of 0.45. The resulting minor nearshore rockfish south ABC, which is the summed contribution of the ABCs for the component species within the complex, is 1,001 mt. The ACL is the same as the 2012 ACL. There are no deductions from the ACL, resulting in a fishery HG of 990 mt. Blue rockfish south of 42° N. latitude has a species-specific HG of 236 mt.

x/ Minor shelf rockfish south. The OFL of 1,913 mt is the sum of the OFL contributions for the component species within the complex. The ABCs for the southern minor shelf rockfish complex is based on a sigma value of 0.72 for category 2 stocks (greenspotted and greenstriped rockfish) and 1.44 for category 3 stocks (all others) with a P* of 0.45. The resulting ABC of 1,620 mt is the summed contribution of the ABCs for the component species. The ACL of 714 mt is the same as the 2012 ACL. 46 mt is deducted from the ACL for the incidental open access fishery (9 mt), EFP catch (31 mt) and research catch (6 mt), resulting in a shelf fishery HG of 668 mt.

y/ Minor slope rockfish south. The OFL of 685 mt is the sum of the OFL contributions for the component species within the complex. The ABC for the southern minor slope rockfish complex is based on a sigma value of 0.72 for category 2 stocks (bank and blackgill rockfish) and 1.44 for category 3 stocks (all others) with a P* of 0.45. The resulting ABC of 622 mt is the summed contribution of the ABCs for the component species. The ACL is equal to the ABC. 21 mt is deducted from the ACL for the incidental open access fishery (17 mt), EFP catch (2 mt) and research catch (2 mt), resulting in a slope fishery HG of 601 mt. Blackgill rockfish has species-specific HGs: 27 mt for the limited entry fixed gear fishery; 18 mt for the open access fishery.

z/ "Other fish" is composed entirely of groundfish FMP species that are neither rockfish (family Scorpaenidae) nor flatfish, and most of these species are unassessed, with the exception of spiny dogfish, was assessed in 2011 and is a category 2 stock. The OFL of 6,802 mt is the sum of the OFL contributions for the component species within the complex. The OFL contribution for spiny dogfish is projected from the 2011 assessment using an $F_{45\%}$ F_{MSY} proxy harvest rate. The ABC of 4,697 mt is calculated by applying a P* of 0.40 and a sigma of 1.44 to the OFLs calculated for the category 3 stocks (i.e., all stocks other than spiny dogfish) and a P* of 0.30 and a sigma of 0.72 to the OFL calculated for spiny dogfish. The resulting ABC for the complex is the summed contribution of the ABCs calculated for the component stocks. The ACL is set equal to the ABC. 177 mt is deducted from the ACL for the Tribal fishery (112 mt), the incidental open access fishery (50 mt), EFP catch (3 mt) and research catch (12 mt), resulting in an "other fish" fishery HG of 4,520 mt.

aa/ "Other flatfish" are the unassessed flatfish species that do not have individual OFLs/ABCs/ACLs and include butter sole, curlfin sole, flathead sole, Pacific sand dab, rex sole, rock sole, and sand sole. The other flatfish OFL of 10,060 mt is based on the sum of the OFL contributions of the component stocks. The ABC of 6,982 mt is a 31 percent reduction from the OFL (σ=1.44/P*=0.40) as the complex is composed of category 3 stocks. The ACL of 4,884 mt is the 2011 and 2012 ACL carried forward as there have been no significant changes in the status or management of stocks within the complex. 202 mt is deducted from the ACL for the Tribal fishery (60 mt), the incidental open access fishery (125 mt), and research catch (17 mt), resulting in a fishery HG of 4,682 mt.

bb/ Pacific cod. The 3,200 mt OFL is based on the maximum level of historic landings. The ABC of 2,221 mt is a 31 percent reduction from the OFL (σ=1.44/P*=0.40) as it's a category 3 stock. The 1,600 mt ACL is the OFL reduced by 50 percent as a precautionary adjustment. 409.04 mt is deducted from the ACL for the Tribal fishery (400 mt), research fishing (7.04 mt), and the incidental open access fishery (2.0 mt), resulting in a fishery HG of 1,191 mt.

cc/ Pacific Ocean Perch. A POP stock assessment was prepared in 2011 and the stock was estimated to be at 19.1 percent of its unfished biomass in 2011. The OFL of 838 mt for the area north of 40°10 N. lat. is based on the 2011 stock assessment with an $F_{50\%}$ F_{MSY} proxy. The ABC of 801 mt is a 4 percent reduction from the OFL (σ=0.36/P*=0.45) as it's a category 1 stock. The ACL of 153 mt is based on a rebuilding plan with a target year to rebuild of 2051 and an SPR harvest rate of 86.4 percent. 16.5 mt is deducted from the ACL for the Tribal fishery (10.9 mt), open access fishery (0.4 mt) and research catch (5.2 mt), resulting in a fishery HG of 136.5 mt.

dd/ Pacific whiting. The most recent stock assessment was prepared in January 2014. The 2014 Fishery Harvest Guideline (Fishery HG) is calculated as follows. U.S. TAC of 316,206 mt minus 55,336 mt for the Tribal allocation minus 1,500 mt for catch in research activities and as non-groundfish bycatch, resulting in a fishery harvest guideline of 259,370 mt. The TAC for Pacific whiting is established under the provisions of the Pacific Hake/Whiting Agreement with Canada and the Pacific Whiting Act of 2006, 16 U.S.C. 7001-7010, and the international exception applies. Therefore, no ABC or ACL values are provided for Pacific whiting. The 2014 OFL of 825,000 mt is based on the 2014 assessment with an F40% FMSY proxy.

ee/ Petrale sole. A petrale sole stock assessment was prepared for 2011. In 2011 the petrale sole stock was estimated to be at 18 percent of its unfished biomass. The OFL of 2,774 mt is based on the 2011 assessment with an $F_{30\%}$ F_{MSY} proxy. The ABC of 2,652 mt is a 4 percent reduction from the OFL (σ=0.36/P*=0.45) as it's a category 1 stock. The ACL is set equal to the ABC. 234 mt is deducted from the ACL for the Tribal fishery (220 mt), the incidental open access fishery (2.4 mt), and research catch (11.6 mt), resulting in a fishery HG of 2,418 mt.

ff/ Sablefish north. A coastwide sablefish stock assessment was prepared in 2011. The coastwide sablefish biomass was estimated to be at 33 percent of its unfished biomass in 2011. The coastwide OFL of 7,158 mt is based on the 2011 stock assessment with an F_{MSY} proxy of $F_{45\%}$. The ABC of 6,535 mt is an 8.7 percent reduction from the OFL (σ=0.36/P*=0.40). The 40-10 harvest policy was applied to the ABC to derive a coastwide ACL value. Then the ACL value was apportioned north and south of 36° N. lat., using the average of annual swept area biomass (2003-2010) from the NMFS NWFSC trawl survey, with 73.6 percent going to the area north of 36° N. lat. and 26.4 percent going to the area south of 36° N. lat. The northern ACL is 4,349 mt and is reduced by 435 mt for the tribal allocation (10 percent of the ACL north of 36° N. lat.). The 435 mt Tribal allocation is reduced by 1.5 percent to account for discard mortality. Detailed sablefish allocations are shown in Table 1c.

gg/ Sablefish south. The ACL for the area south of 36° N. lat. is 1,560 mt (26.4 percent of the calculated coastwide ACL value). 5 mt is deducted from the ACL for the incidental open access fishery (2 mt) and research catch (3 mt), resulting in a fishery HG of 1,555 mt.

hh/ Shortbelly rockfish. A non-quantitative assessment was conducted in 2007. The spawning stock biomass of shortbelly rockfish was estimated at 67 percent of its unfished biomass in 2005. The OFL of 6,950 mt was recommended for the stock in 2014 with an ABC of 5,789 mt (σ=0.72 with a P* of 0.40). The 50 mt ACL is slightly

higher than recent landings and is in recognition of the stock's importance as a forage species in the California Current ecosystem. 2 mt is deducted from the ACL for research catch, resulting in a fishery HG of 48 mt.

ii/ Shortspine thornyhead. A coastwide stock assessment was conducted in 2005 and the stock was estimated to be at 63 percent of its unfished biomass in 2005. A coastwide OFL of 2,310 mt is based on the 2005 stock assessment with a $F_{50\%}$ F_{MSY} proxy. The coastwide ABC of 2,208 mt is a 4 percent reduction from the OFL (σ=0.36/P*=0.45) as it's a category 1 stock. For the portion of the stock that is north of 34°27' N. lat., the ACL is 1,525 mt. The northern ACL is 66 percent of the coastwide OFL for the portion of the biomass found north of 34°27' N. lat. 59.22 mt is deducted from the ACL for the Tribal fishery (50 mt), the incidental open access fishery (2 mt), and research catch (7.22mt) resulting in a fishery HG of 1,466 mt for the area north of 34°27' N. lat. For that portion of the stock south of 34°27' N. lat. the ACL is 393 mt which is 34 percent of the coastwide OFL for the portion of the biomass found south of 34°27' N. lat. reduced by 50 percent as a precautionary adjustment. 42 mt is deducted from the ACL for the incidental open access fishery (41 mt), and research catch (1 mt) resulting in a fishery HG of 351 mt for the area south of 34°27' N. lat.

jj/ Splitnose rockfish. A coastwide assessment was prepared in 2009 that estimated the stock to be at 66 percent of its unfished biomass in 2009. Splitnose in the north is managed under the minor slope rockfish complex and with species-specific harvest specifications south of 40°10' N. lat. The OFLs were apportioned north and south based on the average 1916-2008 assessed area catch resulting in 64.2 percent stock-specific OFL south of 40°10' N. lat, and 35.8 percent for the contribution of splitnose rockfish to the northern minor slope rockfish complex. South of 40°10' N. lat. the OFL of 1,747 mt is based on the 2009 assessment with an F_{MSY} proxy of $F_{50\%}$. The ABC of 1,670 mt is a 4 percent reduction from the OFL (σ=0.36/P*=0.45) as it's a category 1 stock. Because the unfished biomass is estimated to be above 40 percent of the unfished biomass, the ACL is set equal to the ABC. 12 mt is deducted from the ACL for research catch (9 mt) and EFP catch (3 mt), resulting in a fishery HG of 1,658 mt.

kk/ Starry Flounder. The stock was assessed in 2005 and was estimated to be above 40 percent of its unfished biomass in 2005. For 2013, the coastwide OFL of 1,834 mt is based on the 2005 assessment with an F_{MSY} proxy of $F_{30\%}$. The ABC of 1,528 mt is a 17 percent reduction from the OFL (σ=0.72/P*=0.40) as it's a category 2 stock. Because the stock is above $B_{25\%}$, the ACL was set equal to the ABC. 7 mt is deducted from the ACL for the Tribal fishery (2 mt), and the incidental open access fishery (5 mt), resulting in a fishery HG of 1,521 mt.

ll/ Widow rockfish. The stock was assessed in 2011 and was estimated to be at 51.1 percent of its unfished biomass in 2011. The OFL of 4,435 mt is based on the 2011 stock assessment with an $F_{50\%}$ F_{MSY} proxy. The ABC of 4,212 mt is a 5 percent reduction from the OFL (σ=0.41/P*=0.45). A unique sigma of 0.41 was calculated for widow rockfish since the estimated variance in estimated biomass was greater than the 0.36 used as a proxy for other category 1 stocks. A constant catch strategy will be used with an ACL of 1,500 mt. 89.2 mt is deducted from the ACL for the Tribal fishery (60 mt), the incidental open access fishery (89.2 mt), EFP catch (18 mt) and research catch (7.9 mt), resulting in a fishery HG of 1,411 mt.

mm/ Yelloweye rockfish. A stock assessment update was prepared in 2011. The stock was estimated to be at 21.3 percent of its unfished biomass in 2011. The 51 mt coastwide OFL was derived from the base model in the new stock assessment with an F_{MSY} proxy of $F_{50\%}$. The ABC of 43 mt is a 17 percent reduction from the OFL (σ=0.72/P*=0.40) as it's a category 2 stock. The 18 mt ACL is based on a rebuilding plan with a target year to rebuild of 2074 and an SPR harvest rate of 76.0 percent. 5.82 mt is deducted from the ACL for the Tribal fishery (2.3 mt), the incidental open access fishery (0.2 mt), EFP catch (0.02 mt) and research catch (3.3 mt) resulting in a fishery HG of 12.2 mt. Recreational HGs are being established: Washington, 2.9; Oregon, 2.6 mt; and California, 3.4 mt.

nn/ Yellowtail rockfish. A yellowtail rockfish stock assessment update was last prepared in 2005 for the area north of 40°10' N. latitude to the U.S-Canadian border. Yellowtail rockfish was estimated to be at 55 percent of its unfished biomass in 2005. The OFL of 4,584 mt is based on the 2005 stock assessment with the F_{MSY} proxy of $F_{50\%}$. The ABC of 4,382 mt is a 4 percent reduction from the OFL (σ=0.36/P*=0.45) as it's a category 1 stock. The ACL was set equal to the ABC, because the stock is above $B_{40\%}$. 701.49 mt is deducted from the ACL for the Tribal fishery (677 mt), the incidental open access fishery (3 mt), EFP catch (10 mt) and research catch (11.49 mt), resulting in a fishery HG of 3,681mt.

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