2021 AND 2022 GROUNDFISH HARVEST SPECIFICATIONS UNDER DEFAULT HARVEST CONTROL RULES

The following tables were downloaded from the Pacific Fisheries Information Network (PacFIN) on October 17, 2019. These tables are available on the PacFIN web site under the <u>APEX reporting</u> <u>system</u>. These tables will be updated as corrections are made and consistent with PFMC decisions on 2021 and 2022 groundfish harvest specifications.

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Table 1. 2021 harvest specifications (mt) and stock category designations for west coast groundfish stocks and stock complexes under default harvest control rules (highlighted stocks are those with proposed specifications not adopted in September).

| Stock or Complex | Area | Cat. | P* (Buffer) | OFL | ABC | ACL | Assess Year | Notes |
|---------------------------|-------------|----------------------|--------------|-------|-------|-------|----------------|---|
| Yelloweye Rockfish | CW | 1 (YB) | 0.40 (0.144) | 97 | 83 | 50 | 2017 | The ACL is derived from the 2017 yelloweye rebuilding analysis under the 65% SPR harvest rate. |
| Arrowtooth Flounder | CW | 2 (YB) | 0.40 (0.267) | 13551 | 9933 | 9933 | 2017 | |
| Big Skate | CW | 2 (YB) | 0.45 (0.126) | 1690 | 1477 | 1477 | 2019 | |
| Black Rockfish | WA | 1 (YB) | 0.45 (0.083) | 319 | 293 | 293 | 2015 | |
| Black Rockfish | CA | 1 (YB) | 0.45 (0.083) | 379 | 348 | 348 | 2015 | |
| Bocaccio | S of 4010 | 1 (YB) | 0.45 (0.074) | 1887 | 1748 | 1748 | 2017 | 7.4% of the assessed area (Conception area N to Cape Blanco) OFL is deducted to account for the portion of the stock north of $40^{\circ}10^{\circ}$ N lat. |
| Cabezon | CA | | | 225 | 210 | 210 | | |
| Cabezon | 3427 - 42 | 1 (YB) | 0.45 (0.065) | 201.8 | 188.7 | | 2019 | |
| Cabezon | S of Conc | 1 (YB) | 0.45 (0.065) | 23.3 | 21.8 | | 2019 | |
| Cabezon/Kelp Greenling | WA | | | 25 | 20 | 20 | | |
| Cabezon | WA | 3 (YB) | 0.45 (0.222) | 18.3 | 14.2 | 14.2 | 2019 | |
| Kelp Greenling | WA | 3 (YB) | 0.45 (0.222) | 7.1 | 5.5 | 5.5 | 2015 | |
| Cabezon/Kelp Greenling | OR | | | 215 | 198 | 198 | | |
| Cabezon | OR | 1 (YB) | 0.45 (0.065) | 58.3 | 54.5 | 54.5 | 2019 | |
| Kelp Greenling | OR | 1 (YB) | 0.45 (0.083) | 157.0 | 144.0 | 144.0 | 2015 | |
| California Scorpionfish | CW | CA Scorp. (YB) | 0.45 (0.086) | 319 | 291 | 291 | 2017 | |
| Canary Rockfish | CW | 1 (YB) | 0.45 (0.083) | 1459 | 1338 | 1338 | 2015 | |
| Chilipepper | S of 4010 | 1 (YB) | 0.45 (0.083) | 2571 | 2358 | 2358 | 2015 | 93% of the coastwide chilipepper OFL is apportioned S of 40°10' N lat. based on average historical landings. |
| Cowcod | S of 4010 | | | 114 | 98 | 98 | | |
| Cowcod | S of Conc | 2 (YB) | 0.45 (0.126) | 95.0 | 83.0 | 83.0 | 2019 | |
| Cowcod | 3427 - 4010 | 3 (YB) | 0.45 (0.222) | 18.9 | 14.7 | 14.7 | 2019 | |
| Darkblotched Rockfish | CW | 1 (YB) | 0.45 (0.074) | 953 | 882 | 882 | 2017 | |
| Dover Sole | CW | 1 (YB) | 0.45 (0.100) | 93547 | 84192 | 50000 | 2011 | |

| Stock or Complex | Area | Cat. | P* (Buffer) | OFL | ABC | ACL | Assess Year | Notes |
|--------------------------|-----------|--------|--------------|-------|------|------|----------------|--|
| English Sole | CW | 2 (YB) | 0.45 (0.174) | 11107 | 9175 | 9175 | 2013 | |
| Lingcod | N of 4010 | 1 (YB) | 0.45 (0.074) | 5816 | 5386 | 5369 | 2017 | OFLs are projected from the 2017 assessment, which assessed two stocks north and south of 42° N lat. The relative biomass and OFLs are reapportioned north and south of the 40°10' N lat. management line by using the most recent 5-year average percentage of survey biomass of lingcod between 40°10' and 42° N lat., which is 21.3% of the survey biomass in California. |
| Lingcod | S of 4010 | 1 (YB) | 0.45 (0.074) | 1255 | 1162 | 1102 | 2017 | OFLs are projected from the 2017 assessment, which assessed two stocks north and south of 42° N lat. The relative biomass and OFLs are reapportioned north and south of the 40°10' N lat. management line by using the most recent 5-year average percentage of survey biomass of lingcod between 40°10' and 42° N lat., which is 21.3% of the survey biomass in California. |
| Longnose Skate | CW | 2 (YB) | 0.45 (0.126) | 2086 | 1823 | 1823 | 2019 | |
| Longspine Thornyhead | CW | 2 (YB) | 0.40 (0.320) | 5097 | 3466 | | 2013 | |
| Longspine Thornyhead | N of Conc | 2 (YB) | 0.40 (0.320) | | | 2634 | 2013 | ACLs are determined based on an apportionment of the coastwide ABC north (76%) and south (24%) of 34°27' N lat. based on the 2003-2012 average swept area biomass estimated north and south of Pt. Conception at 34°27' N lat. in the NWFSC trawl survey. |
| Longspine Thornyhead | S of Conc | 2 (YB) | 0.40 (0.320) | | | 832 | 2013 | ACLs are determined based on an apportionment of the coastwide ABC north (76%) and south (24%) of 34°27' N lat. based on the 2003-2012 average swept area biomass estimated north and south of Pt. Conception at 34°27' N lat. in the NWFSC trawl survey. |
| Pacific Cod | CW | 3 (YB) | 0.40 (0.398) | 3200 | 1926 | 1600 | | |
| Pacific Ocean Perch | N of 4010 | 2 (YB) | 0.45 (0.143) | 4497 | 3854 | 3854 | 2017 | |
| Petrale Sole | CW | 1 (YB) | 0.45 (0.065) | 4402 | 4115 | 4115 | 2019 | |
| Sablefish | CW | 1 (YB) | 0.40 (0.127) | 9402 | 8208 | | 2019 | |
| Sablefish | N of 36 | 1 (YB) | 0.40 (0.127) | | | 6049 | 2019 | The ACLs are apportioned north (73.7%) and south (26.3%) of 40°10' N lat. using the coastwide ABCs based on average trawl survey biomass from 2003-2018. |
| Sablefish | Conc | 1 (YB) | 0.40 (0.127) | | | 2159 | 2019 | The ACLs are apportioned north (73.7%) and south (26.3%) of 36° using the coastwide ABCs based on average trawl survey biomass from 2003-2018. |
| Shortbelly | CW | 3 (YB) | 0.40 (0.398) | 6950 | 4184 | 4184 | 2007 | |
| Shortspine Thornyhead | CW | 2 (YB) | 0.40 (0.320) | 3211 | 2183 | | 2013 | |
| Shortspine Thornyhead | N of Conc | 2 (YB) | 0.40 (0.320) | | | 1428 | 2013 | ACLs are determined based on an apportionment of the coastwide ABC north (65.4%) and south (34.6%) of 34°27' N lat. based on the |

| Stock or Complex | Area | Cat. | P* (Buffer) | OFL | ABC | ACL | Assess Year | Notes |
|-------------------------------|-------------|--------|--------------|-------|-------|-------|----------------|--|
| | | | | | | | | 2003-2012 average swept area biomass estimated north and south of |
| Shortspine Thornyhead | S of Conc | 2 (YB) | 0.40 (0.320) | | | 756 | 2013 | Pt. Conception at 34°27' N lat. in the NWFSC trawl survey. ACLs are determined based on an apportionment of the coastwide ABC north (65.4%) and south (34.6%) of 34°27' N lat. based on the 2003-2012 average swept area biomass estimated north and south of Pt. Conception at 34°27' N lat. in the NWFSC trawl survey. |
| Spiny Dogfish | CW | 2 (YB) | 0.40 (0.346) | 2479 | 1621 | 1621 | 2011 | |
| Splitnose | S of 4010 | 1 (YB) | 0.45 (0.108) | 1868 | 1666 | 1666 | 2009 | |
| Starry Flounder | CW | 3 (YB) | 0.40 (0.398) | 652 | 392 | 392 | 2017 | |
| Widow Rockfish | CW | 1 (YB) | 0.45 (0.065) | 15749 | 14725 | 14725 | 2019 | |
| Yellowtail Rockfish | N of 4010 | 1 (YB) | 0.45 (0.074) | 6534 | 6050 | 6050 | 2017 | |
| Blue/Deacon/Black Rockfish | OR | | 0.45 (0.044) | 676 | 570 | 570 | | |
| Black Rockfish | OR | 2 (YB) | 0.45 (0.159) | 570.0 | 479.4 | 479.4 | 2015 | |
| Blue | OR | 2 (YB) | 0.45 (0.143) | 105.7 | 90.6 | 90.6 | 2017 | |
| Nearshore Rockfish North | N of 4010 | | | 92 | 77 | 77 | | |
| Black and Yellow | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.01 | 0.01 | 0.01 | | |
| Blue | 42 - 4010 | 2 (YB) | 0.45 (0.143) | 33.4 | 28.6 | 28.6 | 2017 | 10% of the CA OFL N of 34°27' N lat. is apportioned north of 40°10' N lat. (see Appendix D of the 2017 Assessment). |
| Blue | WA | 3 (YB) | 0.45 (0.222) | 8.1 | 6.3 | 6.3 | 2017 | |
| Brown | N of 4010 | 2 (YB) | 0.45 (0.174) | 2.1 | 1.7 | 1.7 | 2013 | The portion of the coastwide stock north of 40`10 N lat. (1.2%) based on the proportion of cumulative removals by area during 1916-2012. |
| Calico | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| China | WA | 2 (YB) | 0.45 (0.159) | 10.8 | 9.1 | 9.1 | 2015 | OFLs are projected from the Northern Model in the 2015 assessment. |
| China | 4010 - 4616 | 2 (YB) | 0.45 (0.159) | 21.6 | 18.1 | 18.1 | 2015 | OFLs are projected from the Central Model in the 2015 assessment. |
| Copper | N of 4010 | 2 (YB) | 0.45 (0.174) | 9.8 | 8.1 | 8.1 | 2013 | 7.3% of the OFL estimated from the Northern Model (34°27' N lat. to U.SCan border) is apportioned N of 40°10' N lat. based on the proportion of cumulative removals by area during 1916-2012. |
| Gopher | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | 2011 | |
| Grass | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.7 | 0.5 | 0.5 | 2011 | |
| Kelp | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.01 | 0.01 | 0.01 | 2011 | |
| Olive | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.3 | 0.2 | 0.2 | 2011 | |

| Stock or Complex | Area | Cat. | P* (Buffer) | OFL | ABC | ACL | Assess Year | Notes |
|-----------------------------|------------------|--------|--------------|--------|--------|--------|----------------|--|
| Quillback | N of 4010 | 3 (YB) | 0.45 (0.222) | 7.4 | 5.7 | 5.7 | 2011 | |
| Treefish | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.2 | 0.2 | 0.2 | 2011 | |
| Nearshore Rockfish South | S of 4010 | | | 1052 | 868 | 1016 | | |
| Blue | 4010 - 3427 | 2 (YB) | 0.45 (0.143) | 300.6 | 257.6 | 257.6 | 2017 | 90% of the CA OFL N of 34°27' N lat. is apportioned south of 40°10' N lat. (see Appendix D of the 2017 Assessment). |
| Blue | S of Conc | 3 (YB) | 0.45 (0.222) | 21.8 | 17.0 | 17.0 | 2017 | |
| Brown | S of 4010 | 2 (YB) | 0.45 (0.174) | 179.7 | 148.4 | 148.4 | 2013 | The portion of the coastwide stock north of 40°10 N lat. (98.8%) based on the proportion of cumulative removals by area during 1916-2012. |
| Calico | S of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| China | S of 4010 | 2 (YB) | 0.45 (0.159) | 15.5 | 13.0 | 12.2 | 2015 | OFLs are projected from the Southern Model in the 2015 assessment. |
| Copper | S of 4010 | 2 (YB) | 0.45 (0.174) | 247.4 | 204.4 | 204.4 | 2013 | 92.7% of the OFL estimated from the Northern Model (34°27' N lat. to U.SCan border) is apportioned S of 40°10' N lat. based on the proportion of cumulative removals by area during 1916-2012. |
| Gopher | S of 4010 | 2 (YB) | 0.45 (0.126) | 136.0 | 118.9 | 118.9 | 2019 | Need to code the species as Gopher/Black-and-Yellow. |
| Grass | S of 4010 | 3 (YB) | 0.45 (0.222) | 59.6 | 46.4 | 46.4 | 2011 | |
| Kelp | S of 4010 | 3 (YB) | 0.45 (0.222) | 27.7 | 21.5 | 21.5 | 2011 | |
| Olive | S of 4010 | 3 (YB) | 0.45 (0.222) | 224.6 | 174.8 | 174.8 | 2011 | |
| Quillback | S of 4010 | 3 (YB) | 0.45 (0.222) | 5.4 | 4.2 | 4.2 | 2011 | |
| Treefish | S of 4010 | 3 (YB) | 0.45 (0.222) | 13.2 | 10.3 | 10.3 | 2011 | |
| Other Fish | CW | | | 286 | 223 | 223 | | |
| Kelp Greenling | CA | 3 (YB) | 0.45 (0.222) | 118.9 | 92.5 | 92.5 | 2011 | |
| Leopard Shark | CW | 3 (YB) | 0.45 (0.222) | 167.1 | 130.0 | 130.0 | 2011 | |
| Other Flatfish | CW | | | 7714 | 4802 | 4802 | | |
| Butter Sole | CW | 3 (YB) | 0.40 (0.398) | 4.6 | 2.8 | 2.8 | | Based on the average catch during 1994-1998 + a 60% discard rate estimated from the EDCP study. |
| Curlfin Sole | CW | 3 (YB) | 0.40 (0.398) | 8.2 | 5.0 | 5.0 | | Based on the average catch during 1994-1998 + a 60% discard rate estimated from the EDCP study. |
| Flathead Sole | CW | 3 (YB) | 0.40 (0.398) | 35.0 | 21.1 | 21.1 | | Max. catch = 35 mt in 2005 |
| Pacific Sanddab | CW | 3 (YB) | 0.40 (0.398) | 4801.0 | 2890.2 | 2890.2 | 2011 | |
| Rex Sole | CW | 2 (YB) | 0.40 (0.320) | 2025.6 | 1377.4 | 1377.4 | 2013 | Bayesian projections differ from the calculated ABCs. |
| Rock Sole | CW | 3 (YB) | 0.40 (0.398) | 66.7 | 40.2 | 40.2 | 2011 | |

| Stock or Complex | Area | Cat. | P* (Buffer) | OFL | ABC | ACL | Assess Year | Notes |
|----------------------|-----------|--------|--------------|-------|-------|-------|----------------|--|
| Sand Sole | CW | 3 (YB) | 0.40 (0.398) | 773.2 | 465.5 | 465.5 | 2011 | |
| Shelf Rockfish North | N of 4010 | | | 1888 | 1511 | 1511 | | |
| Bocaccio | N of 4010 | 3 (YB) | 0.45 (0.222) | 284.0 | 221.0 | 221.0 | 2011 | |
| Bronzespotted | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Chameleon | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Chilipepper | N of 4010 | 1 (YB) | 0.45 (0.083) | 193.6 | 177.5 | 177.5 | 2015 | 7% of the coastwide chilipepper OFL is apportioned N of 40°10' N lat. based on average historical landings. |
| Cowcod | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.6 | 0.4 | 0.4 | 2019 | |
| Flag | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.1 | 0.1 | 0.1 | 2011 | |
| Freckled | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Greenblotched | N of 4010 | 3 (YB) | 0.45 (0.222) | 1.3 | 1.0 | 1.0 | 2011 | |
| Greenspotted | 42 - 4010 | 2 (YB) | 0.45 (0.190) | 9.3 | 7.5 | 7.3 | 2011 | The OFLs projected from the Northern California Model are apportioned north (22.2%) and south (77.8%) of 40°10' N lat. based on average historical (1978-2001) landings. |
| Greenspotted | WA - OR | 3 (YB) | 0.45 (0.222) | 6.1 | 4.7 | 4.7 | 2011 | |
| Greenstriped | N of 4010 | 2 (YB) | 0.45 (0.205) | 896.1 | 712.4 | 712.4 | 2009 | The portion of the coastwide stock north of 40°10' N. lat. (84.5%) is based on the mean of the 2003-2008 swept area biomass estimates from the NMFS trawl survey. |
| Halfbanded | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Harlequin | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Honeycomb | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Mexican | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Pink | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.0 | 0.0 | 0.0 | 2011 | |
| Pinkrose | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Puget Sound | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Pygmy | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Redstripe | N of 4010 | 3 (YB) | 0.45 (0.222) | 269.9 | 210.0 | 210.0 | 2011 | |
| Rosethorn | N of 4010 | 3 (YB) | 0.45 (0.222) | 12.9 | 10.0 | 10.0 | 2011 | |
| Rosy | N of 4010 | 3 (YB) | 0.45 (0.222) | 3.0 | 2.3 | 2.3 | 2011 | |
| Silvergray | N of 4010 | 3 (YB) | 0.45 (0.222) | 159.4 | 124.0 | 124.0 | 2011 | |
| Speckled | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.2 | 0.2 | 0.2 | 2011 | |
| Squarespot | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.2 | 0.2 | 0.2 | 2011 | |

| Stock or Complex | Area | Cat. | P* (Buffer) | OFL | ABC | ACL | Assess Year | Notes |
|----------------------|-------------|--------|--------------|-------|-------|-------|----------------|--|
| Starry | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.0 | 0.0 | 0.0 | 2011 | |
| Stripetail | N of 4010 | 3 (YB) | 0.45 (0.222) | 40.4 | 31.4 | 31.4 | 2011 | |
| Swordspine | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.0 | 0.0 | 0.0 | 2011 | |
| Tiger | N of 4010 | 3 (YB) | 0.45 (0.222) | 1.0 | 0.8 | 0.8 | 2011 | |
| Vermilion | N of 4010 | 3 (YB) | 0.45 (0.222) | 9.7 | 7.5 | 7.5 | 2011 | |
| Shelf Rockfish South | S of 4010 | | | 1842 | 1439 | 1438 | | |
| Bronzespotted | S of 4010 | 3 (YB) | 0.45 (0.222) | 3.6 | 2.8 | 2.8 | 2011 | |
| Chameleon | S of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Flag | S of 4010 | 3 (YB) | 0.45 (0.222) | 23.4 | 18.2 | 18.2 | 2011 | |
| Freckled | S of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Greenblotched | S of 4010 | 3 (YB) | 0.45 (0.222) | 23.1 | 18.0 | 18.0 | 2011 | |
| Greenspotted | 4010 - 3427 | 2 (YB) | 0.45 (0.190) | 32.6 | 26.4 | 25.7 | 2011 | The OFLs projected from the Northern California Model are apportioned north (22.2%) and south (77.8%) of 40°10' N lat. based on average historical (1978-2001) landings. |
| Greenspotted | S of Conc | 2 (YB) | 0.45 (0.190) | 45.4 | 36.8 | 36.8 | 2011 | |
| Greenstriped | S of 4010 | 2 (YB) | 0.45 (0.205) | 164.4 | 130.7 | 130.7 | 2009 | The portion of the coastwide stock south of 40°10' N. lat. (15.5%) is based on the mean of the 2003-2008 swept area biomass estimates from the NMFS trawl survey. |
| Halfbanded | S of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Harlequin | S of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Honeycomb | S of 4010 | 3 (YB) | 0.45 (0.222) | 9.9 | 7.7 | 7.7 | 2011 | |
| Mexican | S of 4010 | 3 (YB) | 0.45 (0.222) | 5.1 | 4.0 | 4.0 | 2011 | |
| Pink | S of 4010 | 3 (YB) | 0.45 (0.222) | 2.5 | 1.9 | 1.9 | 2011 | |
| Pinkrose | S of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Pygmy | S of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Redstripe | S of 4010 | 3 (YB) | 0.45 (0.222) | 0.5 | 0.4 | 0.4 | 2011 | |
| Rosethorn | S of 4010 | 3 (YB) | 0.45 (0.222) | 2.1 | 1.6 | 1.6 | 2011 | |
| Rosy | S of 4010 | 3 (YB) | 0.45 (0.222) | 44.5 | 34.6 | 34.6 | 2011 | |
| Silvergray | S of 4010 | 3 (YB) | 0.45 (0.222) | 0.5 | 0.4 | 0.4 | 2011 | |
| Speckled | S of 4010 | 3 (YB) | 0.45 (0.222) | 39.4 | 30.7 | 30.7 | 2011 | |
| Squarespot | S of 4010 | 3 (YB) | 0.45 (0.222) | 11.1 | 8.6 | 8.6 | 2011 | |
| Starry | S of 4010 | 3 (YB) | 0.45 (0.222) | 62.6 | 48.7 | 48.7 | 2011 | |

| Stock or Complex | Area | Cat. | P* (Buffer) | OFL | ABC | ACL | Assess Year | Notes |
|-----------------------|-----------|--------|--------------|--------|-------|-------|----------------|---|
| Stripetail | S of 4010 | 3 (YB) | 0.45 (0.222) | 23.6 | 18.4 | 18.4 | 2011 | |
| Swordspine | S of 4010 | 3 (YB) | 0.45 (0.222) | 14.2 | 11.0 | 11.0 | 2011 | |
| Tiger | S of 4010 | 3 (YB) | 0.45 (0.222) | 0.0 | 0.0 | 0.0 | 2011 | |
| Vermilion | S of 4010 | 3 (YB) | 0.45 (0.222) | 269.3 | 209.5 | 209.5 | 2011 | |
| Yellowtail Rockfish | S of 4010 | 3 (YB) | 0.45 (0.222) | 1064.4 | 828.1 | 828.1 | 2011 | |
| Slope Rockfish North | N of 4010 | | | 1862 | 1595 | 1595 | | |
| Aurora | N of 4010 | 1 (YB) | 0.45 (0.091) | 17.5 | 15.9 | 15.9 | 2013 | The portion of the coastwide stock north of 40°10' N lat. (19%) is based on average survey biomass. |
| Bank | N of 4010 | 3 (YB) | 0.45 (0.222) | 17.2 | 13.4 | 13.4 | 2011 | |
| Blackgill Rockfish | N of 4010 | 3 (YB) | 0.45 (0.222) | 4.7 | 3.7 | 3.7 | 2011 | |
| Redbanded | N of 4010 | 3 (YB) | 0.45 (0.222) | 45.3 | 35.2 | 35.2 | 2011 | |
| Rougheye/Blackspotted | N of 4010 | 2 (YB) | 0.45 (0.174) | 232.3 | 191.8 | 191.8 | 2013 | 98% of the coastwide OFL is apportioned north of 40°10' N. lat. based on average landings during 1985-2012. |
| Sharpchin | N of 4010 | 2 (YB) | 0.45 (0.174) | 292.3 | 241.4 | 241.4 | 2013 | 80% of coastwide OFL is apportioned to the N of 40°10' N lat. |
| Shortraker | N of 4010 | 3 (YB) | 0.45 (0.222) | 18.7 | 14.5 | 14.5 | 2011 | |
| Splitnose | N of 4010 | 1 (YB) | 0.45 (0.108) | 1041.8 | 929.3 | 929.3 | 2009 | |
| Yellowmouth | N of 4010 | 3 (YB) | 0.45 (0.222) | 192.4 | 149.7 | 149.7 | 2011 | |
| Slope Rockfish South | S of 4010 | | | 873 | 709 | 709 | | |
| Aurora | S of 4010 | 1 (YB) | 0.45 (0.091) | 74.5 | 67.7 | 67.7 | 2013 | The portion of the coastwide stock south of 40°10' N lat. (81%) is based on average survey biomass. |
| Bank | S of 4010 | 3 (YB) | 0.45 (0.222) | 503.2 | 391.5 | 391.5 | 2011 | |
| Blackgill Rockfish | S of 4010 | 2 (YB) | 0.45 (0.143) | 206.0 | 176.5 | 176.5 | 2017 | |
| Pacific Ocean Perch | S of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Redbanded | S of 4010 | 3 (YB) | 0.45 (0.222) | 10.4 | 8.1 | 8.1 | 2011 | |
| Rougheye/Blackspotted | S of 4010 | 2 (YB) | 0.45 (0.174) | 4.7 | 3.9 | 3.9 | 2013 | 2% of the coastwide OFL is apportioned south of 40°10' N. lat. based on average landings during 1985-2012. |
| Sharpchin | S of 4010 | 2 (YB) | 0.45 (0.174) | 73.1 | 60.4 | 60.4 | 2013 | 20% of coastwide OFLs are apportioned S of 40°10' N lat. |
| Shortraker | S of 4010 | 3 (YB) | 0.45 (0.222) | 0.1 | 0.1 | 0.1 | 2011 | |
| Yellowmouth | S of 4010 | 3 (YB) | 0.45 (0.222) | 0.8 | 0.6 | 0.6 | 2011 | |

Table 2. 2022 harvest specifications (mt) and stock category designations for west coast groundfish stocks and stock complexes under default harvest control rules (highlighted stocks are those with proposed specifications not adopted in September).

| Stock or Complex | Area | Cat. | P* (Buffer) | OFL | ABC | ACL | Assess Year | Notes |
|-------------------------|----------------|----------------------|--------------|-------|-------|-------|----------------|--|
| Yelloweye Rockfish | CW | 1 (YB) | 0.40 (0.152) | 98 | 83 | 51 | 2017 | The ACL is derived from the 2017 yelloweye rebuilding analysis under the 65% SPR harvest rate. |
| Arrowtooth Flounder | CW | 2 (YB) | 0.40 (0.281) | 11764 | 8458 | 8458 | 2017 | |
| Big Skate | CW | 2 (YB) | 0.45 (0.135) | 1606 | 1389 | 1389 | 2019 | |
| Black Rockfish | WA | 1 (YB) | 0.45 (0.087) | 319 | 291 | 291 | 2015 | |
| Black Rockfish | CA | 1 (YB) | 0.45 (0.087) | 373 | 341 | 341 | 2015 | |
| Bocaccio | S of 4010 | 1 (YB) | 0.45 (0.078) | 1870 | 1724 | 1724 | 2017 | 7.4% of the assessed area (Conception area N to Cape Blanco) OFL is deducted to account for the portion of the stock north of $40^{\circ}10'$ N lat. |
| Cabezon | CA | | | 210 | 195 | 195 | | |
| Cabezon | 3427 - 42 | 1 (YB) | 0.45 (0.070) | 187.6 | 174.5 | | 2019 | |
| Cabezon | S of Conc | 1 (YB) | 0.45 (0.070) | 22.6 | 21.0 | | 2019 | |
| Cabezon/Kelp Greenling | WA | | | 22 | 17 | 17 | | |
| Cabezon | WA | 3 (YB) | 0.45 (0.222) | 14.9 | 11.6 | 11.6 | 2019 | |
| Kelp Greenling | WA | 3 (YB) | 0.45 (0.222) | 7.1 | 5.5 | 5.5 | 2015 | |
| Cabezon/Kelp Greenling | OR | | | 208 | 190 | 190 | | |
| Cabezon | OR | 1 (YB) | 0.45 (0.070) | 56.1 | 52.2 | 52.2 | 2019 | |
| Kelp Greenling | OR | 1 (YB) | 0.45 (0.087) | 151.4 | 138.2 | 138.2 | 2015 | |
| California Scorpionfish | CW | CA Scorp. (YB) | 0.45 (0.091) | 303 | 275 | 275 | 2017 | |
| Canary Rockfish | CW | 1 (YB) | 0.45 (0.087) | 1432 | 1307 | 1307 | 2015 | |
| Chilipepper | S of 4010 | 1 (YB) | 0.45 (0.087) | 2474 | 2259 | 2259 | 2015 | 93% of the coastwide chilipepper OFL is apportioned S of 40°10' N lat. based on average historical landings. |
| Cowcod | S of 4010 | | | 113 | 96 | 96 | | |
| Cowcod | S of Conc | 2 (YB) | 0.45 (0.135) | 93.9 | 81.3 | 81.3 | 2019 | |
| Cowcod | 3427 - 4010 | 3 (YB) | 0.45 (0.222) | 19.2 | 14.9 | 14.9 | 2019 | |
| Darkblotched Rockfish | CW | 1 (YB) | 0.45 (0.078) | 901 | 831 | 831 | 2017 | |
| Dover Sole | CW | 1 (YB) | 0.45 (0.104) | 87540 | 78436 | 50000 | 2011 | |

| Stock or Complex | Area | Cat. | P* (Buffer) | OFL | ABC | ACL | Assess Year | Notes |
|--------------------------|-----------|--------|--------------|-------|------|------|----------------|---|
| English Sole | CW | 2 (YB) | 0.45 (0.182) | 11127 | 9101 | 9101 | 2013 | |
| Lingcod | N of 4010 | 1 (YB) | 0.45 (0.078) | 5395 | 4974 | 4958 | 2017 | OFLs are projected from the 2017 assessment, which assessed two stocks north and south of 42° N lat. The relative biomass and OFLs are reapportioned north and south of the 40°10' N lat. management line by using the most recent 5-year average percentage of survey biomass of lingcod between 40°10' and 42° N lat., which is 21.3% of the survey biomass in California. |
| Lingcod | S of 4010 | 1 (YB) | 0.45 (0.078) | 1334 | 1230 | 1172 | 2017 | OFLs are projected from the 2017 assessment, which assessed two stocks north and south of 42° N lat. The relative biomass and OFLs are reapportioned north and south of the 40°10' N lat. management line by using the most recent 5-year average percentage of survey biomass of lingcod between 40°10' and 42° N lat., which is 21.3% of the survey biomass in California. |
| Longnose Skate | CW | 2 (YB) | 0.45 (0.135) | 2036 | 1761 | 1761 | 2019 | |
| Longspine Thornyhead | CW | 2 (YB) | 0.40 (0.333) | 4838 | 3227 | | 2013 | |
| Longspine Thornyhead | N of Conc | 2 (YB) | 0.40 (0.333) | | | 2452 | 2013 | ACLs are determined based on an apportionment of the coastwide ABC north (76%) and south (24%) of 34°27' N lat. based on the 2003-2012 average swept area biomass estimated north and south of Pt. Conception at 34°27' N lat. in the NWFSC trawl survey. |
| Longspine Thornyhead | S of Conc | 2 (YB) | 0.40 (0.333) | | | 774 | 2013 | ACLs are determined based on an apportionment of the coastwide ABC north (76%) and south (24%) of 34°27' N lat. based on the 2003-2012 average swept area biomass estimated north and south of Pt. Conception at 34°27' N lat. in the NWFSC trawl survey. |
| Pacific Cod | CW | 3 (YB) | 0.40 (0.398) | 3200 | 1926 | 1600 | | |
| Pacific Ocean Perch | N of 4010 | 2 (YB) | 0.45 (0.151) | 4371 | 3711 | 3711 | 2017 | |
| Petrale Sole | CW | 1 (YB) | 0.45 (0.070) | 3936 | 3660 | 3660 | 2019 | |
| Sablefish | CW | 1 (YB) | 0.40 (0.136) | 9040 | 7811 | | 2019 | |
| Sablefish | N of 36 | 1 (YB) | 0.40 (0.136) | | | 5757 | 2019 | The ACLs are apportioned north (73.7%) and south (26.3%) of 40°10' N lat. using the coastwide ABCs based on average trawl survey biomass from 2003-2018. |
| Sablefish | Conc | 1 (YB) | 0.40 (0.136) | | | 2054 | 2019 | The ACLs are apportioned north (73.7%) and south (26.3%) of 36° using the coastwide ABCs based on average trawl survey biomass from 2003-2018. |
| Shortbelly | CW | 3 (YB) | 0.40 (0.398) | 6950 | 4184 | 4184 | 2007 | |
| Shortspine Thornyhead | CW | 2 (YB) | 0.40 (0.333) | 3194 | 2130 | | 2013 | |
| Shortspine Thornyhead | N of Conc | 2 (YB) | 0.40 (0.333) | | | 1393 | 2013 | ACLs are determined based on an apportionment of the coastwide ABC north (65.4%) and south (34.6%) of 34°27' N lat. based on |

| Stock or Complex | Area | Cat. | P* (Buffer) | OFL | ABC | ACL | Assess Year | Notes |
|-------------------------------|----------------|--------|--------------|-------|-------|-------|----------------|---|
| | | | | | | | | the 2003-2012 average swept area biomass estimated north and south of Pt. Conception at 34°27' N lat. in the NWFSC trawl survey. |
| Shortspine Thornyhead | S of Conc | 2 (YB) | 0.40 (0.333) | | | 737 | 2013 | ACLs are determined based on an apportionment of the coastwide ABC north (65.4%) and south (34.6%) of 34°27' N lat. based on the 2003-2012 average swept area biomass estimated north and south of Pt. Conception at 34°27' N lat. in the NWFSC trawl survey. |
| Spiny Dogfish | CW | 2 (YB) | 0.40 (0.358) | 2469 | 1585 | 1585 | 2011 | |
| Splitnose | S of 4010 | 1 (YB) | 0.45 (0.113) | 1837 | 1630 | 1630 | 2009 | |
| Starry Flounder | CW | 3 (YB) | 0.40 (0.398) | 652 | 392 | 392 | 2017 | |
| Widow Rockfish | CW | 1 (YB) | 0.45 (0.070) | 14826 | 13788 | 13788 | 2019 | |
| Yellowtail Rockfish | N of 4010 | 1 (YB) | 0.45 (0.078) | 6324 | 5831 | 5831 | 2017 | |
| Blue/Deacon/Black Rockfish | OR | | 0.45 (0.044) | 672 | 562 | 562 | | |
| Black Rockfish | OR | 2 (YB) | 0.45 (0.167) | 569.0 | 474.0 | 474.0 | 2015 | |
| Blue | OR | 2 (YB) | 0.45 (0.151) | 103.1 | 87.5 | 87.5 | 2017 | |
| Nearshore Rockfish North | N of 4010 | | | 91 | 76 | 76 | | |
| Black and Yellow | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.0 | 0.0 | 0.0 | | |
| Blue | 42 - 4010 | 2 (YB) | 0.45 (0.151) | 33.6 | 28.5 | 28.5 | 2017 | 10% of the CA OFL N of 34°27' N lat. is apportioned north of 40°10' N lat. (see Appendix D of the 2017 Assessment). |
| Blue | WA | 3 (YB) | 0.45 (0.222) | 7.8 | 6.1 | 6.1 | 2017 | |
| Brown | N of 4010 | 2 (YB) | 0.45 (0.182) | 2.1 | 1.7 | 1.7 | 2013 | The portion of the coastwide stock north of 40`10 N lat. (1.2%) based on the proportion of cumulative removals by area during 1916-2012. |
| Calico | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| China | WA | 2 (YB) | 0.45 (0.167) | 10.4 | 8.7 | 8.7 | 2015 | OFLs are projected from the Northern Model in the 2015 assessment. |
| China | 4010 - 4616 | 2 (YB) | 0.45 (0.167) | 21.1 | 17.6 | 17.6 | 2015 | OFLs are projected from the Central Model in the 2015 assessment. |
| Copper | N of 4010 | 2 (YB) | 0.45 (0.182) | 9.9 | 8.1 | 8.1 | 2013 | 7.3% of the OFL estimated from the Northern Model (34°27' N lat. to U.SCan border) is apportioned N of 40°10' N lat. based on the proportion of cumulative removals by area during 1916-2012. |
| Gopher | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | 2011 | |
| Grass | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.7 | 0.5 | 0.5 | 2011 | |

| Stock or Complex | Area | Cat. | P* (Buffer) | OFL | ABC | ACL | Assess Year | Notes |
|-----------------------------|------------------|--------|--------------|-------|-------|-------|----------------|--|
| Kelp | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.0 | 0.0 | 0.0 | 2011 | |
| Olive | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.3 | 0.2 | 0.2 | 2011 | |
| Quillback | N of 4010 | 3 (YB) | 0.45 (0.222) | 7.4 | 5.7 | 5.7 | 2011 | |
| Treefish | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.2 | 0.2 | 0.2 | 2011 | |
| Nearshore Rockfish South | S of 4010 | | | 1055 | 865 | 1010 | | |
| Blue | 4010 - 3427 | 2 (YB) | 0.45 (0.151) | 302.4 | 256.7 | 256.7 | 2017 | 90% of the CA OFL N of 34°27' N lat. is apportioned south of 40°10' N lat. (see Appendix D of the 2017 Assessment). |
| Blue | S of Conc | 3 (YB) | 0.45 (0.222) | 21.8 | 17.0 | 17.0 | 2017 | |
| Brown | S of 4010 | 2 (YB) | 0.45 (0.182) | 178.5 | 146.0 | 146.0 | 2013 | The portion of the coastwide stock north of 40 [°] 10 N lat. (98.8%) based on the proportion of cumulative removals by area during 1916-2012. |
| Calico | S of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| China | S of 4010 | 2 (YB) | 0.45 (0.167) | 15.9 | 13.3 | 12.2 | 2015 | OFLs are projected from the Southern Model in the 2015 assessment. |
| Copper | S of 4010 | 2 (YB) | 0.45 (0.182) | 247.0 | 202.0 | 202.0 | 2013 | 92.7% of the OFL estimated from the Northern Model (34°27' N lat. to U.SCan border) is apportioned S of 40°10' N lat. based on the proportion of cumulative removals by area during 1916-2012. |
| Gopher | S of 4010 | 2 (YB) | 0.45 (0.135) | 137.0 | 118.5 | 118.5 | 2019 | Need to code the species as Gopher/Black-and-Yellow. |
| Grass | S of 4010 | 3 (YB) | 0.45 (0.222) | 59.6 | 46.4 | 46.4 | 2011 | |
| Kelp | S of 4010 | 3 (YB) | 0.45 (0.222) | 27.7 | 21.5 | 21.5 | 2011 | |
| Olive | S of 4010 | 3 (YB) | 0.45 (0.222) | 224.6 | 174.8 | 174.8 | 2011 | |
| Quillback | S of 4010 | 3 (YB) | 0.45 (0.222) | 5.4 | 4.2 | 4.2 | 2011 | |
| Treefish | S of 4010 | 3 (YB) | 0.45 (0.222) | 13.2 | 10.3 | 10.3 | 2011 | |
| Other Fish | CW | | | 286 | 223 | 223 | | |
| Kelp Greenling | CA | 3 (YB) | 0.45 (0.222) | 118.9 | 92.5 | 92.5 | 2011 | |
| Leopard Shark | CW | 3 (YB) | 0.45 (0.222) | 167.1 | 130.0 | 130.0 | 2011 | |
| Other Flatfish | CW | | | 7808 | 4838 | 4838 | | |
| Butter Sole | CW | 3 (YB) | 0.40 (0.398) | 4.6 | 2.8 | 2.8 | | Based on the average catch during 1994-1998 + a 60% discard rate estimated from the EDCP study. |
| Curlfin Sole | CW | 3 (YB) | 0.40 (0.398) | 8.2 | 5.0 | 5.0 | | Based on the average catch during 1994-1998 + a 60% discard rate estimated from the EDCP study. |
| Flathead Sole | CW | 3 (YB) | 0.40 (0.398) | 35.0 | 21.1 | 21.1 | | Max. catch = 35 mt in 2005 |

| Stock or Complex | Area | Cat. | P* (Buffer) | OFL | ABC | ACL | Assess Year | Notes |
|----------------------|-----------|--------|--------------|------------|------------|--------|----------------|--|
| Pacific Sanddab | CW | 3 (YB) | 0.40 (0.398) | 4801. | 2890. 2 | 2890.2 | 2011 | |
| Rex Sole | CW | 2 (YB) | 0.40 (0.333) | 2119. 7 | 1413. 8 | 1413.8 | 2013 | Bayesian projections differ from the calculated ABCs. |
| Rock Sole | CW | 3 (YB) | 0.40 (0.398) | 66.7 | 40.2 | 40.2 | 2011 | |
| Sand Sole | CW | 3 (YB) | 0.40 (0.398) | 773.2 | 465.5 | 465.5 | 2011 | |
| Shelf Rockfish North | N of 4010 | | | 1821 | 1450 | 1450 | | |
| Bocaccio | N of 4010 | 3 (YB) | 0.45 (0.222) | 284.0 | 221.0 | 221.0 | 2011 | |
| Bronzespotted | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Chameleon | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Chilipepper | N of 4010 | 1 (YB) | 0.45 (0.087) | 186.2 | 170.0 | 170.0 | 2015 | 7% of the coastwide chilipepper OFL is apportioned N of 40°10' N lat. based on average historical landings. |
| Cowcod | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.6 | 0.4 | 0.4 | 2019 | |
| Flag | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.1 | 0.1 | 0.1 | 2011 | |
| Freckled | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Greenblotched | N of 4010 | 3 (YB) | 0.45 (0.222) | 1.3 | 1.0 | 1.0 | 2011 | |
| Greenspotted | 42 - 4010 | 2 (YB) | 0.45 (0.197) | 9.3 | 7.5 | 7.3 | 2011 | The OFLs projected from the Northern California Model are apportioned north (22.2%) and south (77.8%) of 40°10' N lat. based on average historical (1978-2001) landings. |
| Greenspotted | WA - OR | 3 (YB) | 0.45 (0.222) | 6.1 | 4.7 | 4.7 | 2011 | |
| Greenstriped | N of 4010 | 2 (YB) | 0.45 (0.212) | 836.7 | 659.3 | 659.3 | 2009 | The portion of the coastwide stock north of 40°10' N. lat. (84.5%) is based on the mean of the 2003-2008 swept area biomass estimates from the NMFS trawl survey. |
| Halfbanded | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Harlequin | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Honeycomb | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Mexican | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Pink | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.004 | 0.003 | 0.003 | 2011 | |
| Pinkrose | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Puget Sound | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Pygmy | N of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Redstripe | N of 4010 | 3 (YB) | 0.45 (0.222) | 269.9 | 210.0 | 210.0 | 2011 | |
| Rosethorn | N of 4010 | 3 (YB) | 0.45 (0.222) | 12.9 | 10.0 | 10.0 | 2011 | |

| Stock or Complex | Area | Cat. | P* (Buffer) | OFL | ABC | ACL | Assess Year | Notes |
|----------------------|----------------|--------|--------------|-------|-------|-------|----------------|--|
| Rosy | N of 4010 | 3 (YB) | 0.45 (0.222) | 3.0 | 2.4 | 2.4 | 2011 | |
| Silvergray | N of 4010 | 3 (YB) | 0.45 (0.222) | 159.4 | 124.0 | 124.0 | 2011 | |
| Speckled | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.2 | 0.1 | 0.1 | 2011 | |
| Squarespot | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.2 | 0.1 | 0.1 | 2011 | |
| Starry | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.004 | 0.003 | 0.003 | 2011 | |
| Stripetail | N of 4010 | 3 (YB) | 0.45 (0.222) | 40.4 | 31.4 | 31.4 | 2011 | |
| Swordspine | N of 4010 | 3 (YB) | 0.45 (0.222) | 0.0 | 0.0 | 0.0 | 2011 | |
| Tiger | N of 4010 | 3 (YB) | 0.45 (0.222) | 1.0 | 0.8 | 0.8 | 2011 | |
| Vermilion | N of 4010 | 3 (YB) | 0.45 (0.222) | 9.7 | 7.6 | 7.6 | 2011 | |
| Shelf Rockfish South | S of 4010 | | | 1832 | 1429 | 1428 | | |
| Bronzespotted | S of 4010 | 3 (YB) | 0.45 (0.222) | 3.6 | 2.8 | 2.8 | 2011 | |
| Chameleon | S of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Flag | S of 4010 | 3 (YB) | 0.45 (0.222) | 23.4 | 18.2 | 18.2 | 2011 | |
| Freckled | S of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Greenblotched | S of 4010 | 3 (YB) | 0.45 (0.222) | 23.1 | 18.0 | 18.0 | 2011 | |
| Greenspotted | 4010 - 3427 | 2 (YB) | 0.45 (0.197) | 32.7 | 26.3 | 25.7 | 2011 | The OFLs projected from the Northern California Model are apportioned north (22.2%) and south (77.8%) of 40°10' N lat. based on average historical (1978-2001) landings. |
| Greenspotted | S of Conc | 2 (YB) | 0.45 (0.197) | 45.5 | 36.6 | 36.6 | 2011 | |
| Greenstriped | S of 4010 | 2 (YB) | 0.45 (0.212) | 153.5 | 120.9 | 120.9 | 2009 | The portion of the coastwide stock south of 40°10' N. lat. (15.5%) is based on the mean of the 2003-2008 swept area biomass estimates from the NMFS trawl survey. |
| Halfbanded | S of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Harlequin | S of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Honeycomb | S of 4010 | 3 (YB) | 0.45 (0.222) | 9.9 | 7.7 | 7.7 | 2011 | |
| Mexican | S of 4010 | 3 (YB) | 0.45 (0.222) | 5.1 | 3.9 | 3.9 | 2011 | |
| Pink | S of 4010 | 3 (YB) | 0.45 (0.222) | 2.5 | 1.9 | 1.9 | 2011 | |
| Pinkrose | S of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Pygmy | S of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Redstripe | S of 4010 | 3 (YB) | 0.45 (0.222) | 0.5 | 0.4 | 0.4 | 2011 | |
| Rosethorn | S of 4010 | 3 (YB) | 0.45 (0.222) | 2.1 | 1.7 | 1.7 | 2011 | |

| Stock or Complex | Area | Cat. | P* (Buffer) | OFL | ABC | ACL | Assess Year | Notes |
|-----------------------|-----------|--------|--------------|------------|-------|-------|----------------|---|
| Rosy | S of 4010 | 3 (YB) | 0.45 (0.222) | 44.5 | 34.6 | 34.6 | 2011 | |
| Silvergray | S of 4010 | 3 (YB) | 0.45 (0.222) | 0.5 | 0.4 | 0.4 | 2011 | |
| Speckled | S of 4010 | 3 (YB) | 0.45 (0.222) | 39.4 | 30.6 | 30.6 | 2011 | |
| Squarespot | S of 4010 | 3 (YB) | 0.45 (0.222) | 11.1 | 8.6 | 8.6 | 2011 | |
| Starry | S of 4010 | 3 (YB) | 0.45 (0.222) | 62.6 | 48.7 | 48.7 | 2011 | |
| Stripetail | S of 4010 | 3 (YB) | 0.45 (0.222) | 23.6 | 18.4 | 18.4 | 2011 | |
| Swordspine | S of 4010 | 3 (YB) | 0.45 (0.222) | 14.2 | 11.1 | 11.1 | 2011 | |
| Tiger | S of 4010 | 3 (YB) | 0.45 (0.222) | 0.04 | 0.03 | 0.03 | 2011 | |
| Vermilion | S of 4010 | 3 (YB) | 0.45 (0.222) | 269.3 | 209.5 | 209.5 | 2011 | |
| Yellowtail Rockfish | S of 4010 | 3 (YB) | 0.45 (0.222) | 1064. 4 | 828.1 | 828.1 | 2011 | |
| Slope Rockfish North | N of 4010 | | | 1842 | 1568 | 1568 | | |
| Aurora | N of 4010 | 1 (YB) | 0.45 (0.096) | 17.4 | 15.7 | 15.7 | 2013 | The portion of the coastwide stock north of 40°10' N lat. (19%) is based on average survey biomass. |
| Bank | N of 4010 | 3 (YB) | 0.45 (0.222) | 17.2 | 13.4 | 13.4 | 2011 | |
| Blackgill Rockfish | N of 4010 | 3 (YB) | 0.45 (0.222) | 4.7 | 3.7 | 3.7 | 2011 | |
| Redbanded | N of 4010 | 3 (YB) | 0.45 (0.222) | 45.3 | 35.2 | 35.2 | 2011 | |
| Rougheye/Blackspotted | N of 4010 | 2 (YB) | 0.45 (0.182) | 233.2 | 190.8 | 190.8 | 2013 | 98% of the coastwide OFL is apportioned north of 40°10' N. lat. based on average landings during 1985-2012. |
| Sharpchin | N of 4010 | 2 (YB) | 0.45 (0.182) | 288.9 | 236.3 | 236.3 | 2013 | 80% of coastwide OFL is apportioned to the N of 40°10' N lat. |
| Shortraker | N of 4010 | 3 (YB) | 0.45 (0.222) | 18.7 | 14.6 | 14.6 | 2011 | |
| Splitnose | N of 4010 | 1 (YB) | 0.45 (0.113) | 1024. 5 | 908.8 | 908.8 | 2009 | |
| Yellowmouth | N of 4010 | 3 (YB) | 0.45 (0.222) | 192.4 | 149.7 | 149.7 | 2011 | |
| Slope Rockfish South | S of 4010 | | | 871 | 705 | 705 | | |
| Aurora | S of 4010 | 1 (YB) | 0.45 (0.096) | 74.4 | 67.3 | 67.3 | 2013 | The portion of the coastwide stock south of 40°10' N lat. (81%) is based on average survey biomass. |
| Bank | S of 4010 | 3 (YB) | 0.45 (0.222) | 503.2 | 391.5 | 391.5 | 2011 | |
| Blackgill Rockfish | S of 4010 | 2 (YB) | 0.45 (0.151) | 205.0 | 174.0 | 174.0 | 2017 | |
| Pacific Ocean Perch | S of 4010 | 3 (YB) | 0.45 (0.222) | | | | | |
| Redbanded | S of 4010 | 3 (YB) | 0.45 (0.222) | 10.4 | 8.1 | 8.1 | 2011 | |
| Rougheye/Blackspotted | S of 4010 | 2 (YB) | 0.45 (0.182) | 4.8 | 3.9 | 3.9 | 2013 | 2% of the coastwide OFL is apportioned south of 40°10' N. lat. based on average landings during 1985-2012. |

| Stock or Complex | Area | Cat. | P* (Buffer) | OFL | ABC | ACL | Assess Year | Notes |
|------------------|-----------|--------|--------------|------|------|------|----------------|--|
| Sharpchin | S of 4010 | 2 (YB) | 0.45 (0.182) | 72.2 | 59.1 | 59.1 | 2013 | 20% of coastwide OFLs are apportioned S of 40°10' N lat. |
| Shortraker | S of 4010 | 3 (YB) | 0.45 (0.222) | 0.1 | 0.1 | 0.1 | 2011 | |
| Yellowmouth | S of 4010 | 3 (YB) | 0.45 (0.222) | 0.8 | 0.7 | 0.7 | 2011 | |