

**2025 AND 2026 GROUND FISH HARVEST SPECIFICATIONS UNDER DEFAULT
HARVEST CONTROL RULES**

The Pacific Coast Groundfish Fishery Management Plan describes the framework for biennial specifications and states “...the harvest controls from the previous biennium (referred to as default harvest control rules (HCRs) are applied to the best available scientific information to determine the numerical values of the harvest specifications for the next biennial period” (Chapter 4).

The following tables provide proposed 2025 and 2026 overfishing limits (OFLs) based on the best current estimate of stock biomass, acceptable biological catches (ABCs) based on the Scientific and Statistical Committee’s (SSC’s) default sigma values (σ - scientific uncertainty) for each stock category and overfishing probabilities (P*s - probability of overfishing) selected by the Pacific Fishery Management Council (Council, PFMC) from the 2023-2024 management cycle, and ACLs that comport with the default HCRs.

In the following tables, harvest specification rows which have not yet been adopted are highlighted in yellow. Additionally, the Council adopted stock definitions for 14 species of groundfish under Amendment 31. For those species where existing harvest specifications comport to the stock definition delineation, the rows are highlighted in blue. However, vermilion north and south of 42° N. lat. and copper rockfishes north of 42° N. lat. have delineations that do not directly comport to existing harvest specifications. As such, their harvest specifications must be calculated and adopted, hence these stocks are highlighted in yellow as their harvest specifications are unknown at this point in the process. They are expected to be updated before the Council’s September meeting.

These tables will be updated as corrections are made and consistent with PFMC decisions on 2025 and 2026 groundfish harvest specifications. Harvest specifications not yet available for 2025 and 2026 are highlighted and will be incorporated as they become available. Tables will eventually be updated on the Pacific Fisheries Information Network (PacFIN) under the [APEX reporting system](#) later in the harvest specifications setting process.

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Table 1. 2025 harvest specifications (mt) and stock category designations for west coast groundfish stocks and stock complexes under default harvest control rules. Specifications not yet available in yellow highlight. Assessment year represents the most recent assessment adopted by the Council; note many yellow highlights are those to be adopted based on the 2023 assessment cycle and for those species where new stock definitions delineated areas differently than in the past. Blue highlight = defined groundfish stocks (Amendment 31). 2

Table 2. 2026 harvest specifications (mt) and stock category designations for west coast groundfish stocks and stock complexes under default harvest control rules. Specifications not yet available in yellow highlight. Assessment year represents the most recent assessment adopted by the Council; note many yellow highlights are those to be adopted based on the 2023 assessment cycle and for those species where new stock definitions delineated areas differently than in the past. Blue highlight = defined groundfish stocks (Amendment 31). 16

Table 1. 2025 harvest specifications (mt) and stock category designations for west coast groundfish stocks and stock complexes under default harvest control rules. Specifications not yet available in yellow highlight. Assessment year represents the most recent assessment adopted by the Council; note many yellow highlights are those to be adopted based on the 2023 assessment cycle and for those species where new stock definitions delineated areas differently than in the past. Blue highlight = defined groundfish stocks (Amendment 31).

Stock/Complex	Area	Category	P* (buffer)	2025 OFL	2025 ABC	2025 ACL	Assess Year	Notes
Yelloweye Rockfish	CW	1 (Year Based)	0.40 (0.176)				2017	Harvest specifications not yet available.
Arrowtooth Flounder	CW	2 (Year Based)	0.40 (0.320)	16,460.00	11,193.00	11,193.00	2017	OFL based on the 2021 catch-only update of the 2017 update assessment (Table 1; Correa et al. 2021; Agenda Item C.6 Attachment 9 Sept 2021).
Big Skate	CW	2 (Year Based)	0.45 (0.159)	1,456.00	1,224.00	1,224.00	2019	OFL projected using a 50% SPR harvest rate in the 2019 big skate assessment (Table 15 pg 67).
Black Rockfish	WA	1 (Year Based)	0.45 (0.100)				2015	Harvest specifications not yet available.
Black Rockfish	CA	1 (Year Based)	0.45 (0.100)				2015	Harvest specifications not yet available.
Bocaccio	S of 4010	1 (Year Based)	0.45 (0.091)	1,849.00	1,681.00	1,681.00	2017	OFL projected using a 50% SPR from the 2019 updated harvest specification projections based on new sigmas with a 7.4% reduction to subtract the portion of the assessed stock north of 40°10' N. lat. (Table 5 pg 3; Agenda Item H.8 Supp Attachment 2 Sept 2019).
Cabazon	CA	1 (Year Based)	0.45 (0.083)	176.00	162.00	162.00	2019	OFL projected using a 45% SPR from the 2019 assessment (Table ES18 pg 41; Table ES19 pg 42).
Cabazon	S of 3427	1 (Year Based)	0.45 (0.083)	20.50	18.80		2019	OFL projected using a 45% SPR from the 2019 assessment (Table ES18 pg 41).
Cabazon	3427 - 42	1 (Year Based)	0.45 (0.083)	155.90	142.96		2019	OFL projected using a 45% SPR from the 2019 assessment (Table ES19 pg 42).
Cabazon/Kelp Greenling	WA			25.00	20.00	20.00		Sum of harvest specification contributions of component stocks in the complex.
Cabazon	WA	3 (Year Based)	0.45 (0.222)	18.30	14.24	14.24	2019	OFL based on a DB-SRA assessment in the 2019 assessment (Table 48 pg 190, unweighted-50%).
Kelp Greenling	WA	3 (Year Based)	0.45 (0.222)	7.10	5.52	5.52	2015	OFL based on a 2015 DB-SRA estimate using a low vulnerability prior (Table 11 pg 12, Delta option 4; Agenda Item I.4 Attachment 4 November 2015). Low vulnerability prior from data-moderate assessment document (Figure 54 in Cope et al. 2015).
Cabazon/Kelp Greenling	OR			196.00	177.00	177.00		Sum of harvest specification contributions of component stocks in the complex.
Cabazon	OR	1 (Year Based)	0.45 (0.083)	52.60	48.23	48.23	2019	OFL projected using a 45% SPR from the 2019 assessment (Table ES20 pg 43).

Stock/Complex	Area	Category	P* (buffer)	2025 OFL	2025 ABC	2025 ACL	Assess Year	Notes
Kelp Greenling	OR	1 (Year Based)	0.45 (0.100)	143.00	128.70	128.70	2015	OFL projected in the 2021 catch-only update of the 2015 assessment (Table 5, Agenda Item C.8. Attachment 2 September 2021).
California Scorpionfish	CW	(Year Based)	0.45 (0.106)	273.00	244.00	244.00	2017	OFL from the 2019 catch-only update of the 2017 assessment (Table 6 pg 4; Agenda Item H.8 Supp Attachment 2 Sept 2019).
Canary Rockfish	CW	1 (Year Based)	0.45 (0.100)				2015	Harvest specifications not yet available.
Chilipepper	S of 4010	1 (Year Based)	0.45 (0.100)	2,302.00	2,072.00	2,072.00	2015	OFL from the 2019 projection update of the 2015 assessment (Table 7 pg 4; Agenda Item H.8 Supp Attachment 2 Sept 2019). OFLs are apportioned to the North (7%) and South (93%) of 40°10' N lat. based on average historical landings. S of 40°10' N lat. 2025 OFL = 2475 * 0.93 = 2301.75; 2026 OFL = 2434 * 0.93 = 2263.62.
Cowcod	S of 4010			111.00	77.00	77.00	2019	Harvest specifications are the sum of assessed area projections (South of Pt Conception 34°27' N. lat.) and DBSRA estimates (40°10' to 34°27' N. lat.).
Cowcod	S of 3427	2 (Year Based)	0.40 (0.294)	92.81	65.52	65.52	2019	OFL is based on a 50% SPR harvest rate projected in the 2019 assessment, with a time varying category 2 sigma, P* = 0.4. in 2019 projections (Table 6 pg 5; error in caption as correction is South of 34°27' N. lat.; Agenda Item H.6 Attachment 2 November 2019).
Cowcod	4010 - 3427	3 (Year Based)	0.40 (0.398)	18.33	11.04	11.04	2019	OFL is based on the 2019 DB-SRA estimate in Appendix B of the 2019 cowcod assessment (Table F2 pg 179; Percentile 50% (Median)). OFLs are apportioned to the north of 40°10' N lat. (3%) and 40°10' - 34°27' N lat. (97%) based on cumulative historical catch (Table F3 pg 179; 1916-2018).
Darkblotched Rockfish	CW	1 (Year Based)	0.45 (0.091)	830.00	754.00	754.00	2017	OFL projected using a 50% SPR in the 2021 catch-only projection update (Table 1; Lee 2021; Agenda Item C.6 Attachment 12 Sept 2021).
Dover Sole	CW	1 (Year Based)	0.45 (0.074)	49,608.00	45,937.00	45,937.00	2021	OFL projected using a 30% SPR harvest rate in the 2021 full assessment (Table 28 pg 97).
English Sole	CW	2 (Year Based)	0.45 (0.205)	11,175.00	8,884.00	8,884.00	2013	OFL is based on a 30% SPR harvest rate in the 2013 data-moderate assessment, with ACL = ABC (P* = 0.45) in 2019 projections (Table 3 pg 4; Agenda Item H.6 Attachment 2 November 2019).
Lingcod	N of 4010	2 (Year Based)	0.45 (0.143)	4,237.00	3,631.00	3,631.00	2021	OFLs projected using a 45% SPR harvest rate in the 2021 full assessment of lingcod North of 40°10' N lat. (Table vii pg xvi).
Lingcod	S of 4010	2 (Year Based)	0.45 (0.143)	897.00	768.00	768.00	2021	OFLs projected using a 45% SPR harvest rate in the 2021 full assessment of lingcod South of 40°10' N lat. (Table vii pg xvi).

Stock/Complex	Area	Category	P* (buffer)	2025 OFL	2025 ABC	2025 ACL	Assess Year	Notes
Longnose Skate	CW	2 (Year Based)	0.45 (0.159)	1,922.00	1,616.00	1,616.00	2019	OFLs projected using a 45% SPR harvest rate in the 2019 assessment (Table ES-6 pg 20). ACL = ABC.
Longspine Thornyhead	CW	2 (Year Based)	0.40 (0.370)	4,284.00	2,699.00		2013	Coastwide OFL projected using a 50% SPR harvest rate in the 2019 catch-only projection update (Table g pg 13). The coastwide ABC (P* = 0.4) is apportioned N (76%) and S (24%) of 34°27' N lat. to determine ACLs based on the 2003-2012 average swept area biomass from the NMFS trawl survey.
Longspine Thornyhead	S of 3427	2 (Year Based)	0.40 (0.370)			648.00	2013	Coastwide OFL projected using a 50% SPR harvest rate in the 2019 catch-only projection update (Table g pg 13). The coastwide ABC (P* = 0.4) is apportioned N (76%) and S (24%) of 34°27' N lat. to determine ACLs based on the 2003-2012 average swept area biomass from the NMFS trawl survey. S of 34°27' N lat. 2025 ACL = ABC 2,697.92 * 0.24 = 647.5; 2026 ACL = ABC 2,574.60 * 0.24 = 617.9.
Longspine Thornyhead	N of 3427	2 (Year Based)	0.40 (0.370)			2,050.00	2013	Coastwide OFL projected using a 50% SPR harvest rate in the 2019 catch-only projection update (Table g pg 13). The coastwide ABC (P* = 0.4) is apportioned N (76%) and S (24%) of 34°27' N lat. to determine ACLs based on the 2003-2012 average swept area biomass from the NMFS trawl survey. N of 34°27' N lat. 2025 ACL = ABC 2,697.92 * 0.76 = 2050.42; 2026 ACL = ABC 2,574.60 * 0.76 = 1956.70.
Pacific Ocean Perch	N of 4010	2 (Year Based)	0.45 (0.174)	4,029.00	3,328.00	3,328.00	2017	OFL projected using a 50% SPR harvest rate in the 2019 Pacific Ocean Perch Updated Harvest Specification Projections (Table 7, Agenda Item H.8 Supplemental Attachment 2 September 2019). ACL = ABC (P* = 0.45).
Petrale Sole	CW	1 (Year Based)	0.45 (0.083)				2019	Harvest specifications not yet available.
Sablefish	CW	1 (Year Based)	0.45 (0.074)				2021	Harvest specifications not yet available.
Sablefish	S of 36	1 (Year Based)	0.45 (0.074)				2021	Harvest specifications not yet available.
Sablefish	N of 36	1 (Year Based)	0.45 (0.074)				2021	Harvest specifications not yet available.
Shortspine Thornyhead	CW	2 (Year Based)	0.40 (0.370)				2013	Harvest specifications not yet available.
Shortspine Thornyhead	S of 3427	2 (Year Based)	0.40 (0.370)				2013	Harvest specifications not yet available.
Shortspine Thornyhead	N of 3427	2 (Year Based)	0.40 (0.370)				2013	Harvest specifications not yet available.

Stock/Complex	Area	Category	P* (buffer)	2025 OFL	2025 ABC	2025 ACL	Assess Year	Notes
Spiny Dogfish	CW	2 (Year Based)	0.40 (0.267)	1,857.00	1,361.00	1,361.00	2021	OFL is based on a 50% SPR harvest rate projected in the 2021 assessment, with a category 2 sigma, P* = 0.4, ACL=ABC in 2019 projections (Table 4 pg 5; Agenda Item E.3 Supp Revised Attachment 4 November 2021).
Splitnose	S of 4010	1 (Year Based)	0.45 (0.044)	1,724.00	1,508.00	1,508.00	2009	Projections based on the 2009 assessment using the sigmas for 2020 and beyond (Table 2 pg 3; Agenda Item G.6 Attachment 2 September 2023).
Widow Rockfish	CW	1 (Year Based)	0.45 (0.083)				2019	Harvest specifications not yet available.
Yellowtail Rockfish	N of 4010	1 (Year Based)	0.45 (0.091)				2017	Harvest specifications not yet available.
Pacific Cod	CW	3 (Year Based)	0.40 (0.398)	3,200.00	1,926.00	1,600.00		OFL is based on the highest historical catch (in 1985), ACL = 50% of the OFL.
Starry Flounder	CW	3 (Year Based)	0.40 (0.398)	652.00	392.00	392.00	2017	OFL based on the 2017 DB-SRA assessment of starry flounder (Agenda Item F.6.a Supp SSC Rpt1 November 2017).
Blue/Deacon/Black Rockfish	OR		0.45 (0.044)	96.00	80.00	80.00		Sum of harvest specification contributions of component stocks in the complex.
Black Rockfish	OR	2 (Year Based)	0.45 (0.190)				2015	Harvest specifications not yet available.
Blue	OR	2 (Year Based)	0.45 (0.174)	96.44	79.66	79.66	2017	OFL projected using a 50% SPR from the 2021 updated harvest specification projections for blue and deacon rockfishes (Table 3; Agenda Item C.8 Attachment 2 September 2021). HG = ABC/ACL for managing OR fisheries.
Nearshore Rockfish North	N of 4010			100.00	82.00	82.00		Sum of harvest specification contributions of component stocks in the complex.
Black and Yellow	N of 4010	3 (Year Based)	0.45 (0.222)					
Blue	42 - 4010	2 (Year Based)	0.45 (0.174)	33.56	27.72	27.72	2017	OFL from the 2019 catch-only projection update (Table g pg 16; Agenda Item H.5 Supp Revised Attachment 17 September 2019). 10% of the CA OFL is apportioned North of 40°10' N lat. (see Appendix D of the 2017 Assessment, pg 361).N of 40°10' N lat. 2025 OFL = 335.61 * 0.10 = 33.561; 2026 OFL = 335.08 * 0.10 = 33.508.
Blue	WA	3 (Year Based)	0.45 (0.222)	7.20	5.60	5.60	2017	Inferred Washington OFL provided in Appendix F (Table F2 pg 373) of the 2017 Blue and Deacon Rockfishes assessment.

Stock/Complex	Area	Category	P* (buffer)	2025 OFL	2025 ABC	2025 ACL	Assess Year	Notes
Brown	N of 4010	2 (Year Based)	0.45 (0.205)	2.10	1.67	1.67	2013	OFL from the 2019 harvest projection update (Table 1 pg 3; Agenda Item H.6 Attachment 2 November 2019). The portion of the coastwide stock North of 40° 10' N lat. based on the proportion of cumulative removals by area during 1916-2012 (~1.15%). N of 40°10' N lat. 2025 OFL = 181.9 * 0.0115 = 2.1; 2026 OFL = 182.5 * 0.0115 = 2.11.
Calico	N of 4010	3 (Year Based)	0.45 (0.222)					
China	WA	2 (Year Based)	0.45 (0.190)	9.45	7.65	7.65	2015	OFLs projected from the North Model in the 2015 assessment updated with 2019 catch-only projections (Table r pg 34; Agenda Item H.5 Supp Revised Attachment 19 September 2019).
China	4010 - 4616	2 (Year Based)	0.45 (0.190)	19.89	16.11	16.11	2015	OFLs projected from the Central Model in the 2015 assessment updated with 2019 catch-only projections (Table r pg 34; Agenda Item H.5 Supp Revised Attachment 19 September 2019).
Copper	N of 42						2021	Harvest specifications not yet available. Stock defined as OR and WA (N of 42). SSC will need to combine assessments to develop harvest specifications and harvest control rule.
Copper	42 - 4010	2 (Year Based)	0.45 (0.143)				2021	Harvest specifications not yet available. Stock defined as CA (S of 42), apportioned to complex.
Gopher	N of 4010	3 (Year Based)	0.45 (0.222)				2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Grass	N of 4010	3 (Year Based)	0.45 (0.222)	0.66	0.51	0.51	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Kelp	N of 4010	3 (Year Based)	0.45 (0.222)	0.01	0.01	0.01	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Olive	N of 4010	3 (Year Based)	0.45 (0.222)	0.32	0.25	0.25	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Quillback	42 - 4010	2 (Year Based)	0.45 (0.143)				2021	Harvest specifications not yet available. Stock defined as CA (S of 42), apportioned to complex.
Quillback	WA	3 (Year Based)	0.45 (0.222)	2.86	2.23	2.23	2021	OFL projected using a 50% SPR harvest rate MSY proxy from the 2021 assessment of quillback rockfish in WA (November 2021 version Section 4.2 pg 20, per SSC recommendation as constant OFL = 2.86 mt, Category 3, P*=0.45, ABC = 2.22 mt).

Stock/Complex	Area	Category	P* (buffer)	2025 OFL	2025 ABC	2025 ACL	Assess Year	Notes
Quillback	OR	2 (Year Based)	0.45 (0.143)	3.17	2.72	2.72	2021	OFL projected using a 50% SPR harvest rate from the 2021 assessment of quillback rockfish in Oregon (December 2021 version, Table 14 pg 51, per Section 4.1 pg 23).
Treefish	N of 4010	3 (Year Based)	0.45 (0.222)	0.22	0.17	0.17	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Nearshore Rockfish South	S of 4010			1,002.00	808.00	808.00		Sum of harvest specification contributions of component stocks in the complex.
Black and Yellow	S of 4010	2 (Year Based)	0.45 (0.159)				2019	Gopher and black-and-yellow rockfishes are now combined in the 2019 assessment and resulting harvest specifications (documented in the gopher specifications). OFL based on a 50% SPR harvest rate projected in the 2019 assessment (Table g pg xix).
Blue	4010 - 3427	2 (Year Based)	0.45 (0.174)	302.05	249.49	249.49	2017	OFL from the 2019 catch-only projection update (Table g pg 16; Agenda Item H.5 Supp Revised Attachment 17 September 2019). 90% of the CA OFL is apportioned South of 40°10' N lat. (see Appendix D of the 2017 Assessment, pg 361).S of 40°10' N lat. 2025 OFL = 335.61 * 0.90 = 302.049; 2026 OFL = 335.08 * 0.90 = 301.572.
Blue	S of 3427	3 (Year Based)	0.45 (0.222)	21.80	16.96	16.96	2017	Appendix G of the 2017 blue and deacon assessment describes calculation of the OFL proxy (pg 376).
Brown	S of 4010	2 (Year Based)	0.45 (0.205)	179.80	142.94	142.94	2013	OFL from the 2019 harvest projection update (Table 1 pg 3; Agenda Item H.6 Attachment 2 November 2019). The portion of the coastwide stock South of 40' 10 N lat. based on the proportion of cumulative removals by area during 1916-2012 (~98.8%).S of 40°10' N lat. 2025 OFL = 181.9 * 0.988 = 179.8; 2026 OFL = 182.5 * 0.988 = 180.39.
Calico	S of 4010	3 (Year Based)	0.45 (0.222)					
China	S of 4010	2 (Year Based)	0.45 (0.190)	17.23	13.96	13.96	2015	OFLs projected from the South Model in the 2015 assessment updated with 2019 catch-only projections (Table r pg 34; Agenda Item H.5 Supp Revised Attachment 19 September 2019).
Copper	S of 4010	2 (Year Based)	0.45 (0.143)				2021	Harvest specifications not yet available. Stock defined as CA (S of 42), apportioned to complex.
Gopher	S of 4010	2 (Year Based)	0.45 (0.159)	155.00	130.36	130.36	2019	Gopher and black-and-yellow rockfishes are now combined in the 2019 assessment and resulting harvest specifications (documented in the gopher specifications). OFL based on a 50% SPR harvest rate projected in the 2019 assessment (Table g pg xix).

Stock/Complex	Area	Category	P* (buffer)	2025 OFL	2025 ABC	2025 ACL	Assess Year	Notes
Grass	S of 4010	3 (Year Based)	0.45 (0.222)	59.63	46.39	46.39	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Kelp	S of 4010	3 (Year Based)	0.45 (0.222)	27.66	21.52	21.52	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Olive	S of 4010	3 (Year Based)	0.45 (0.222)	224.64	174.77	174.77	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Quillback	S of 4010	2 (Year Based)	0.45 (0.143)				2021	Harvest specifications not yet available. Stock defined as CA (S of 42), apportioned to complex.
Treefish	S of 4010	3 (Year Based)	0.45 (0.222)	13.23	10.29	10.29	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Other Fish	CW			286.00	223.00	223.00		Sum of harvest specification contributions of component stocks in the complex.
Kelp Greenling	CA	3 (Year Based)	0.45 (0.222)	118.90	92.50	92.50	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Leopard Shark	CW	3 (Year Based)	0.45 (0.222)	167.10	130.00	130.00	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Other Flatfish	CW			5,689.00	3,425.00	3,425.00		Sum of harvest specification contributions of component stocks in the complex.
Butter Sole	CW	3 (Year Based)	0.40 (0.398)	4.63	2.79	2.79		Based on the average catch during 1994-1998 + a 60% discard rate estimated from the EDCP study (2020 SAFE; Table 2-19 pg 260).
Curlfin Sole	CW	3 (Year Based)	0.40 (0.398)	8.24	4.96	4.96		Based on the average catch during 1994-1998 + a 60% discard rate estimated from the EDCP study (2020 SAFE; Table 2-19 pg 260).
Flathead Sole	CW	3 (Year Based)	0.40 (0.398)	35.00	21.07	21.07		Max. catch = 35 mt in 2005 (2020 SAFE; Table 2-19 pg 260).
Pacific Sanddab	CW	3 (Year Based)	0.40 (0.398)	4,801.00	2,890.20	2,890.20	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Rex Sole	CW	2 (Year Based)	0.40 (0.370)				2013	Harvest specifications not yet available.
Rock Sole	CW	3 (Year Based)	0.40 (0.398)	66.70	40.15	40.15	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).

Stock/Complex	Area	Category	P* (buffer)	2025 OFL	2025 ABC	2025 ACL	Assess Year	Notes
Sand Sole	CW	3 (Year Based)	0.40 (0.398)	773.20	465.47	465.47	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Shelf Rockfish North	N of 4010			1,597.00	1,266.00	1,266.00		Sum of harvest specification contributions of component stocks in the complex.
Bocaccio	N of 4010	3 (Year Based)	0.45 (0.222)	284.00	220.95	220.95	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Bronzespotted	N of 4010	3 (Year Based)	0.45 (0.222)					
Chameleon	N of 4010	3 (Year Based)	0.45 (0.222)					
Chilipepper	N of 4010	1 (Year Based)	0.45 (0.100)	173.25	155.93	155.93	2015	OFL from the 2019 projection update of the 2015 assessment (Table 7 pg 4; Agenda Item H.8 Supp Attachment 2 September 2019). OFLs are apportioned to the North (7%) and South (93%) of 40°10' N lat. based on average historical landings. N of 40°10' N lat. 2025 OFL = 2475 * 0.07 = 173.25; 2026 OFL = 2434 * 0.07 = 170.38.
Cowcod	N of 4010	3 (Year Based)	0.45 (0.222)	0.57	0.44	0.44	2019	OFL is based on the 2019 DB-SRA estimate in Appendix B of the 2019 cowcod assessment (Table F2 pg 179; Percentile 50% (Median)). OFLs are apportioned to the north of 40°10' N lat. (3%) and 40°10' - 34°27' N lat. (97%) based on cumulative historical catch (Table F3 pg 179; 1916-2018).
Flag	N of 4010	3 (Year Based)	0.45 (0.222)	0.10	0.08	0.08	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Freckled	N of 4010	3 (Year Based)	0.45 (0.222)					
Greenblotched	N of 4010	3 (Year Based)	0.45 (0.222)	1.30	1.01	1.01	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Greenspotted	42 - 4010	2 (Year Based)	0.45 (0.220)				2011	Harvest specifications not yet available.
Greenspotted	WA - OR	3 (Year Based)	0.45 (0.222)	6.10	4.75	4.75	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Greenstriped	N of 4010	3 (Year Based)	0.45 (0.222)	623.61	485.17	485.17	2009	OFL based on the MSY associated with the FMSY proxy in the 2009 assessment (Table d pg vii; Yield with SPR50% at SBSPR). The portion of the coastwide stock North (84.5%) and South (15.5%) of 40°10' N lat. is based on the mean of the 2003-2008 swept area biomass estimates from the NMFS trawl survey.

Stock/Complex	Area	Category	P* (buffer)	2025 OFL	2025 ABC	2025 ACL	Assess Year	Notes
Halfbanded	N of 4010	3 (Year Based)	0.45 (0.222)					
Harlequin	N of 4010	3 (Year Based)	0.45 (0.222)					
Honeycomb	N of 4010	3 (Year Based)	0.45 (0.222)					
Mexican	N of 4010	3 (Year Based)	0.45 (0.222)					
Pink	N of 4010	3 (Year Based)	0.45 (0.222)	0.004	0.003	0.003	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Pinkrose	N of 4010	3 (Year Based)	0.45 (0.222)					
Puget Sound	N of 4010	3 (Year Based)	0.45 (0.222)					
Pygmy	N of 4010	3 (Year Based)	0.45 (0.222)					
Redstripe	N of 4010	3 (Year Based)	0.45 (0.222)	269.90	209.98	209.98	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Rosethorn	N of 4010	3 (Year Based)	0.45 (0.222)	12.90	10.04	10.04	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Rosy	N of 4010	3 (Year Based)	0.45 (0.222)	3.00	2.33	2.33	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Silvergray	N of 4010	3 (Year Based)	0.45 (0.222)	159.40	124.01	124.01	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Speckled	N of 4010	3 (Year Based)	0.45 (0.222)	0.20	0.16	0.16	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Squarespot	42 - 4010	2 (Year Based)	0.45 (0.143)				2021	An OFL is not provided in this geographic area, per Section 4.3 (pg 21) of the 2021 squarespot rockfish data-moderate assessment in California, as after 2000 it is assumed that 100% of removals are from South of 40°10' N lat. and thus no apportionment of the overall OFL was made to this area.
Starry	N of 4010	3 (Year Based)	0.45 (0.222)	0.004	0.003	0.003	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).

Stock/Complex	Area	Category	P* (buffer)	2025 OFL	2025 ABC	2025 ACL	Assess Year	Notes
Stripetail	N of 4010	3 (Year Based)	0.45 (0.222)	40.40	31.43	31.43	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Swordspine	N of 4010	3 (Year Based)	0.45 (0.222)	0.0001	0.0001	0.0001	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Tiger	N of 4010	3 (Year Based)	0.45 (0.222)	1.00	0.78	0.78	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Vermilion	N of 42							Harvest specifications not yet available. Stock defined as OR and WA (N of 42). SSC will need to combine assessments to develop harvest specifications and harvest control rule.
Vermilion	42 - 4010						2021	Harvest specifications not yet available. Stock defined as CA (S of 42), apportioned to complex.
Shelf Rockfish South	S of 4010			1,829.00	1,460.00	1,460.00		Sum of harvest specification contributions of component stocks in the complex.
Bronzespotted	S of 4010	3 (Year Based)	0.45 (0.222)	3.60	2.80	2.80	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Chameleon	S of 4010	3 (Year Based)	0.45 (0.222)					
Flag	S of 4010	3 (Year Based)	0.45 (0.222)	23.40	18.21	18.21	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Freckled	S of 4010	3 (Year Based)	0.45 (0.222)					
Greenblotched	S of 4010	3 (Year Based)	0.45 (0.222)	23.10	17.97	17.97	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Greenspotted	4010 - 3427	2 (Year Based)	0.45 (0.220)				2011	Harvest specifications not yet available.
Greenspotted	S of 3427	2 (Year Based)	0.45 (0.220)				2011	Harvest specifications not yet available.
Greenstriped	S of 4010	3 (Year Based)	0.45 (0.222)	114.39	89.00	89.00	2009	OFL based on the MSY associated with the FMSY proxy in the 2009 assessment (Table d pg vii; Yield with SPR50% at SBSPR). The portion of the coastwide stock North (84.5%) and South (15.5%) of 40°10' N lat. is based on the mean of the 2003-2008 swept area biomass estimates from the NMFS trawl survey.
Halfbanded	S of 4010	3 (Year Based)	0.45 (0.222)					

Stock/Complex	Area	Category	P* (buffer)	2025 OFL	2025 ABC	2025 ACL	Assess Year	Notes
Harlequin	S of 4010	3 (Year Based)	0.45 (0.222)					
Honeycomb	S of 4010	3 (Year Based)	0.45 (0.222)	9.90	7.70	7.70	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Mexican	S of 4010	3 (Year Based)	0.45 (0.222)	5.10	3.97	3.97	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Pink	S of 4010	3 (Year Based)	0.45 (0.222)	2.50	1.95	1.95	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Pinkrose	S of 4010	3 (Year Based)	0.45 (0.222)					
Pygmy	S of 4010	3 (Year Based)	0.45 (0.222)					
Redstripe	S of 4010	3 (Year Based)	0.45 (0.222)	0.50	0.39	0.39	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Rosethorn	S of 4010	3 (Year Based)	0.45 (0.222)	2.10	1.63	1.63	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Rosy	S of 4010	3 (Year Based)	0.45 (0.222)	44.50	34.62	34.62	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Silvergray	S of 4010	3 (Year Based)	0.45 (0.222)	0.50	0.39	0.39	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Speckled	S of 4010	3 (Year Based)	0.45 (0.222)	39.40	30.65	30.65	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Squarespot	S of 4010	2 (Year Based)	0.45 (0.143)	6.58	5.64	5.39	2021	OFL projected using a 50% SPR harvest rate from the 2021 squarespot rockfish data-moderate assessment in CA (Table 17 pg 47 – table incorrectly labeled ACL as ABC and buffer calculations were corrected in final projection values Agenda Item G.6 Attachment 2 September 2023).
Starry	S of 4010	3 (Year Based)	0.45 (0.222)	62.60	48.70	48.70	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Stripetail	S of 4010	3 (Year Based)	0.45 (0.222)	23.60	18.36	18.36	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).

Stock/Complex	Area	Category	P* (buffer)	2025 OFL	2025 ABC	2025 ACL	Assess Year	Notes
Swordspine	S of 4010	3 (Year Based)	0.45 (0.222)	14.20	11.05	11.05	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Tiger	S of 4010	3 (Year Based)	0.45 (0.222)	0.04	0.03	0.03	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Vermilion	S of 4010						2021	Harvest specifications not yet available. Stock defined as CA (S of 42), apportioned to complex.
Yellowtail Rockfish	S of 4010	3 (Year Based)	0.45 (0.222)	1,064.40	828.10	828.10	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Slope Rockfish North	N of 4010			1,779.00	1,488.00	1,488.00		Sum of harvest specification contributions of component stocks in the complex.
Aurora	N of 4010	1 (Year Based)	0.45 (0.108)	17.29	15.42	15.42	2013	OFL is based on the 2013 assessment, with a category 1 sigma, P* = 0.45, ACL=ABC in projections provided in 2023 (Table 2 pg 3; Agenda Item G.6 Attachment 2 September 2023). The portion of the coastwide stock north (19%) and south (81%) of 40°10' N lat. is based on average survey biomass.
Bank	N of 4010	3 (Year Based)	0.45 (0.222)	17.20	13.38	13.38	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Blackgill Rockfish	N of 4010	3 (Year Based)	0.45 (0.222)	4.70	3.66	3.66	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Redbanded	N of 4010	3 (Year Based)	0.45 (0.222)	45.30	35.24	35.24	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Rougheye/Blackspotted	N of 4010	2 (Year Based)	0.45 (0.205)	233.24	185.43	185.43	2013	OFL based on the 2019 catch-only update of the 2013 assessment (Table f pg xi; Agenda Item H.5 Supp Revised Attachment 24 Sept 2019). The coastwide OFLs are apportioned north (98%) and south (2%) based on average landings during 1985-2012. N of 4010 2025 OFL = 238 * 0.98 = 233.24; 2026 OFL = 237 * 0.98 = 232.26.
Sharpchin	N of 4010	2 (Year Based)	0.45 (0.205)	280.00	222.60	222.60	2013	OFL from the 2019 projection update of the 2013 assessment (Table 15 pg 8; Agenda Item H.8 Supp Attachment 2 September 2019). OFLs are apportioned to the North (80%) and South (20%) of 40°10' N lat. based on average swept area biomass estimates from the triennial survey. N of 40°10' N lat. 2025 OFL = 350 * 0.8 = 280; 2026 OFL = 348 * 0.8 = 278.4.

Stock/Complex	Area	Category	P* (buffer)	2025 OFL	2025 ABC	2025 ACL	Assess Year	Notes
Shortraker	N of 4010	3 (Year Based)	0.45 (0.222)	18.70	14.55	14.55	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Splitnose	N of 4010	1 (Year Based)	0.45 (0.044)	970.00	848.00	848.00	2009	Projections based on the 2009 assessment using the sigmas for 2020 and beyond (Table 3 pg 3; Agenda Item G.6 Attachment 2 September 2023).
Yellowmouth	N of 4010	3 (Year Based)	0.45 (0.222)	192.40	149.69	149.69	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Slope Rockfish South	S of 4010			866.00	693.00	693.00		Sum of harvest specification contributions of component stocks in the complex.
Aurora	S of 4010	1 (Year Based)	0.45 (0.108)	73.71	65.75	65.75	2013	OFL is based on the 2013 assessment, with a category 1 sigma, P* = 0.45, ACL=ABC in projections provided in 2023 (Table 2 pg 3; Agenda Item G.6 Attachment 2 September 2023). The portion of the coastwide stock north (19%) and south (81%) of 40°10' N lat. is based on average survey biomass.
Bank	S of 4010	3 (Year Based)	0.45 (0.222)	503.20	391.49	391.49	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Blackgill Rockfish	S of 4010	2 (Year Based)	0.45 (0.174)	203.00	167.68	167.68	2017	Values from a 2019 catch-only update/projection from the 2017 assessment update of blackgill rockfish in the Conception and Monterey INPFC areas (Table f pg x; Agenda Item H.5 Attachment 16 September 2019).
Pacific Ocean Perch	S of 4010	3 (Year Based)	0.45 (0.222)					
Redbanded	S of 4010	3 (Year Based)	0.45 (0.222)	10.40	8.09	8.09	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Rougheye/Blackspotted	S of 4010	2 (Year Based)	0.45 (0.205)	4.76	3.78	3.78	2013	OFL based on the 2019 catch-only update of the 2013 assessment (Table f pg xi; Agenda Item H.5 Supp Revised Attachment 24 Sept 2019). The coastwide OFLs are apportioned north (98%) and south (2%) based on average landings during 1985-2012. S of 4010 2025 OFL = 238 * 0.02 = 4.76; 2026 OFL = 237 * 0.02 = 4.74.

Stock/Complex	Area	Category	P* (buffer)	2025 OFL	2025 ABC	2025 ACL	Assess Year	Notes
Sharpchin	S of 4010	2 (Year Based)	0.45 (0.205)	70.00	55.65	55.65	2013	OFL from the 2019 projection update of the 2013 assessment (Table 15 pg 8; Agenda Item H.8 Supp Attachment 2 September 2019). OFLs are apportioned to the North (80%) and South (20%) of 40°10' N lat. based on average swept area biomass estimates from the triennial survey. S of 40°10' N lat. 2025 OFL = 350 * 0.2 = 70; 2026 OFL = 348 * 0.2 = 69.6.
Shortraker	S of 4010	3 (Year Based)	0.45 (0.222)	0.10	0.08	0.08	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Yellowmouth	S of 4010	3 (Year Based)	0.45 (0.222)	0.80	0.62	0.62	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).

Table 2. 2026 harvest specifications (mt) and stock category designations for west coast groundfish stocks and stock complexes under default harvest control rules. Specifications not yet available in yellow highlight. Assessment year represents the most recent assessment adopted by the Council; note many yellow highlights are those to be adopted based on the 2023 assessment cycle and for those species where new stock definitions delineated areas differently than in the past. Blue highlight = defined groundfish stocks (Amendment 31).

Stock/Complex	Area	Category	P* (buffer)	2026 OFL	2026 ABC	2026 ACL	Assess Year	Notes
Yelloweye Rockfish	CW	1 (Year Based)	0.40 (0.183)				2017	Harvest specifications not yet available.
Arrowtooth Flounder	CW	2 (Year Based)	0.40 (0.333)	13,833.00	9,227.00	9,227.00	2017	OFL based on the 2021 catch-only update of the 2017 update assessment (Table 1; Correa et al. 2021; Agenda Item C.6 Attachment 9 Sept 2021).
Big Skate	CW	2 (Year Based)	0.45 (0.167)	1,426.00	1,188.00	1,188.00	2019	OFL projected using a 50% SPR harvest rate in the 2019 big skate assessment (Table 15 pg 67).
Black Rockfish	WA	1 (Year Based)	0.45 (0.104)				2015	Harvest specifications not yet available.
Black Rockfish	CA	1 (Year Based)	0.45 (0.104)				2015	Harvest specifications not yet available.
Bocaccio	S of 4010	1 (Year Based)	0.45 (0.096)	1,846.00	1,668.00	1,668.00	2017	OFL projected using a 50% SPR from the 2019 updated harvest specification projections based on new sigmas with a 7.4% reduction to subtract the portion of the assessed stock north of 40°10' N. lat. (Table 5 pg 3; Agenda Item H.8 Supp Attachment 2 Sept 2019).
Cabazon	CA	1 (Year Based)	0.45 (0.087)	170.00	155.00	155.00	2019	OFL projected using a 45% SPR from the 2019 assessment (Table ES18 pg 41; Table ES19 pg 42).
Cabazon	S of 3427	1 (Year Based)	0.45 (0.087)	20.20	18.44		2019	OFL projected using a 45% SPR from the 2019 assessment (Table ES18 pg 41).
Cabazon	3427 - 42	1 (Year Based)	0.45 (0.087)	149.70	136.68		2019	OFL projected using a 45% SPR from the 2019 assessment (Table ES19 pg 42).
Cabazon/Kelp Greenling	WA			22.00	17.00	17.00		Sum of harvest specification contributions of component stocks in the complex.
Cabazon	WA	3 (Year Based)	0.45 (0.222)	14.90	11.59	11.59	2019	OFL based on a DB-SRA assessment in the 2019 assessment (Table 48 pg 190, unweighted-50%).
Kelp Greenling	WA	3 (Year Based)	0.45 (0.222)	7.10	5.52	5.52	2015	OFL based on a 2015 DB-SRA estimate using a low vulnerability prior (Table 11 pg 12, Delta option 4; Agenda Item I.4 Attachment 4 November 2015). Low vulnerability prior from data-moderate assessment document (Figure 54 in Cope et al. 2015).
Cabazon/Kelp Greenling	OR			194.00	174.00	174.00		Sum of harvest specification contributions of component stocks in the complex.
Cabazon	OR	1 (Year Based)	0.45 (0.087)	52.00	47.48	47.48	2019	OFL projected using a 45% SPR from the 2019 assessment (Table ES20 pg 43).

Stock/Complex	Area	Category	P* (buffer)	2026 OFL	2026 ABC	2026 ACL	Assess Year	Notes
Kelp Greenling	OR	1 (Year Based)	0.45 (0.104)	141.63	126.90	126.90	2015	OFL projected in the 2021 catch-only update of the 2015 assessment (Table 5, Agenda Item C.8. Attachment 2 September 2021).
California Scorpionfish	CW	(Year Based)	0.45 (0.110)	267.00	238.00	238.00	2017	OFL from the 2019 catch-only update of the 2017 assessment (Table 6 pg 4; Agenda Item H.8 Supp Attachment 2 Sept 2019).
Canary Rockfish	CW	1 (Year Based)	0.45 (0.104)				2015	Harvest specifications not yet available.
Chilipepper	S of 4010	1 (Year Based)	0.45 (0.104)	2,264.00	2,028.00	2,028.00	2015	OFL from the 2019 projection update of the 2015 assessment (Table 7 pg 4; Agenda Item H.8 Supp Attachment 2 Sept 2019). OFLs are apportioned to the North (7%) and South (93%) of 40°10' N lat. based on average historical landings. S of 40°10' N lat. 2025 OFL = 2475 * 0.93 = 2301.75; 2026 OFL = 2434 * 0.93 = 2263.62.
Cowcod	S of 4010			111.00	75.00	75.00	2019	Harvest specifications are the sum of assessed area projections (South of Pt Conception 34°27' N. lat.) and DBSRA estimates (40°10' to 34°27' N. lat.).
Cowcod	S of 3427	2 (Year Based)	0.40 (0.307)	92.42	64.05	64.05	2019	OFL is based on a 50% SPR harvest rate projected in the 2019 assessment, with a time varying category 2 sigma, P* = 0.4. in 2019 projections (Table 6 pg 5; error in caption as correction is South of 34°27' N. lat.; Agenda Item H.6 Attachment 2 November 2019).
Cowcod	4010 - 3427	3 (Year Based)	0.40 (0.398)	18.62	11.21	11.21	2019	OFL is based on the 2019 DB-SRA estimate in Appendix B of the 2019 cowcod assessment (Table F2 pg 179; Percentile 50% (Median)). OFLs are apportioned to the north of 40°10' N lat. (3%) and 40°10' - 34°27' N lat. (97%) based on cumulative historical catch (Table F3 pg 179; 1916-2018).
Darkblotched Rockfish	CW	1 (Year Based)	0.45 (0.096)	810.00	732.00	732.00	2017	OFL projected using a 50% SPR in the 2021 catch-only projection update (Table 1; Lee 2021; Agenda Item C.6 Attachment 12 Sept 2021).
Dover Sole	CW	1 (Year Based)	0.45 (0.078)	44,769.00	41,277.00	41,277.00	2021	OFL projected using a 30% SPR harvest rate in the 2021 full assessment (Table 28 pg 97).
English Sole	CW	2 (Year Based)	0.45 (0.212)	11,192.00	8,819.00	8,819.00	2013	OFL is based on a 30% SPR harvest rate in the 2013 data-moderate assessment, with ACL = ABC (P* = 0.45) in 2019 projections (Table 3 pg 4; Agenda Item H.6 Attachment 2 November 2019).
Lingcod	N of 4010	2 (Year Based)	0.45 (0.151)	4,163.00	3,534.00	3,534.00	2021	OFLs projected using a 45% SPR harvest rate in the 2021 full assessment of lingcod North of 40°10' N lat. (Table vii pg xvi).

Stock/Complex	Area	Category	P* (buffer)	2026 OFL	2026 ABC	2026 ACL	Assess Year	Notes
Lingcod	S of 4010	2 (Year Based)	0.45 (0.151)	937.00	795.00	795.00	2021	OFLs projected using a 45% SPR harvest rate in the 2021 full assessment of lingcod South of 40°10' N lat. (Table vii pg xvi).
Longnose Skate	CW	2 (Year Based)	0.45 (0.167)	1,895.00	1,579.00	1,579.00	2019	OFLs projected using a 45% SPR harvest rate in the 2019 assessment (Table ES-6 pg 20). ACL = ABC.
Longspine Thornyhead	CW	2 (Year Based)	0.40 (0.382)	4,166.00	2,575.00		2013	Coastwide OFL projected using a 50% SPR harvest rate in the 2019 catch-only projection update (Table g pg 13). The coastwide ABC (P* = 0.4) is apportioned N (76%) and S (24%) of 34°27' N lat. to determine ACLs based on the 2003-2012 average swept area biomass from the NMFS trawl survey.
Longspine Thornyhead	S of 3427	2 (Year Based)	0.40 (0.382)			618.00	2013	Coastwide OFL projected using a 50% SPR harvest rate in the 2019 catch-only projection update (Table g pg 13). The coastwide ABC (P* = 0.4) is apportioned N (76%) and S (24%) of 34°27' N lat. to determine ACLs based on the 2003-2012 average swept area biomass from the NMFS trawl survey. S of 34°27' N lat. 2025 ACL = ABC 2,697.92 * 0.24 = 647.5; 2026 ACL = ABC 2,574.60 * 0.24 = 617.9.
Longspine Thornyhead	N of 3427	2 (Year Based)	0.40 (0.382)			1,957.00	2013	Coastwide OFL projected using a 50% SPR harvest rate in the 2019 catch-only projection update (Table g pg 13). The coastwide ABC (P* = 0.4) is apportioned N (76%) and S (24%) of 34°27' N lat. to determine ACLs based on the 2003-2012 average swept area biomass from the NMFS trawl survey. N of 34°27' N lat. 2025 ACL = ABC 2,697.92 * 0.76 = 2050.42; 2026 ACL = ABC 2,574.60 * 0.76 = 1956.70.
Pacific Ocean Perch	N of 4010	2 (Year Based)	0.45 (0.182)	3,937.00	3,220.00	3,220.00	2017	OFL projected using a 50% SPR harvest rate in the 2019 Pacific Ocean Perch Updated Harvest Specification Projections (Table 7, Agenda Item H.8 Supplemental Attachment 2 September 2019). ACL = ABC (P* = 0.45).
Petrale Sole	CW	1 (Year Based)	0.45 (0.087)				2019	Harvest specifications not yet available.
Sablefish	CW	1 (Year Based)	0.45 (0.078)				2021	Harvest specifications not yet available.
Sablefish	S of 36	1 (Year Based)	0.45 (0.078)				2021	Harvest specifications not yet available.
Sablefish	N of 36	1 (Year Based)	0.45 (0.078)				2021	Harvest specifications not yet available.

Stock/Complex	Area	Category	P* (buffer)	2026 OFL	2026 ABC	2026 ACL	Assess Year	Notes
Shortspine Thornyhead	CW	2 (Year Based)	0.40 (0.382)				2013	Harvest specifications not yet available.
Shortspine Thornyhead	S of 3427	2 (Year Based)	0.40 (0.382)				2013	Harvest specifications not yet available.
Shortspine Thornyhead	N of 3427	2 (Year Based)	0.40 (0.382)				2013	Harvest specifications not yet available.
Spiny Dogfish	CW	2 (Year Based)	0.40 (0.281)	1,833.00	1,318.00	1,318.00	2021	OFL is based on a 50% SPR harvest rate projected in the 2021 assessment, with a category 2 sigma, P* = 0.4, ACL=ABC in 2019 projections (Table 4 pg 5; Agenda Item E.3 Supp Revised Attachment 4 November 2021).
Splitnose	S of 4010	1 (Year Based)	0.45 (0.044)	1,686.00	1,469.00	1,469.00	2009	Projections based on the 2009 assessment using the sigmas for 2020 and beyond (Table 2 pg 3; Agenda Item G.2 Attachment 2 September 2023).
Widow Rockfish	CW	1 (Year Based)	0.45 (0.087)				2019	Harvest specifications not yet available.
Yellowtail Rockfish	N of 4010	1 (Year Based)	0.45 (0.096)				2017	Harvest specifications not yet available.
Pacific Cod	CW	3 (Year Based)	0.40 (0.398)	3,200.00	1,926.00	1,600.00		OFL is based on the highest historical catch (in 1985). ACL = 50% of the OFL.
Starry Flounder	CW	3 (Year Based)	0.40 (0.398)	652.00	392.00	392.00	2017	OFL based on the 2017 DB-SRA assessment of starry flounder (Agenda Item F.6.a Supp SSC Rpt1 November 2017).
Blue/Deacon/Black Rockfish	OR		0.45 (0.044)	95.00	78.00	78.00		Sum of harvest specification contributions of component stocks in the complex.
Black Rockfish	OR	2 (Year Based)	0.45 (0.197)				2015	Harvest specifications not yet available.
Blue	OR	2 (Year Based)	0.45 (0.182)	94.83	77.57	77.57	2017	OFL projected using a 50% SPR from the 2021 updated harvest specification projections for blue and deacon rockfishes (Table 3; Agenda Item C.8 Attachment 2 September 2021). HG = ABC/ACL for managing OR fisheries.
Nearshore Rockfish North	N of 4010			99.00	80.00	80.00		Sum of harvest specification contributions of component stocks in the complex.
Black and Yellow	N of 4010	3 (Year Based)	0.45 (0.222)					

Stock/Complex	Area	Category	P* (buffer)	2026 OFL	2026 ABC	2026 ACL	Assess Year	Notes
Blue	42 - 4010	2 (Year Based)	0.45 (0.182)	33.51	27.41	27.41	2017	OFL from the 2019 catch-only projection update (Table g pg 16; Agenda Item H.5 Supp Revised Attachment 17 September 2019). 10% of the CA OFL is apportioned North of 40°10' N lat. (see Appendix D of the 2017 Assessment, pg 361).N of 40°10' N lat. 2025 OFL = 335.61 * 0.10 = 33.561; 2026 OFL = 335.08 * 0.10 = 33.508.
Blue	WA	3 (Year Based)	0.45 (0.222)	7.00	5.45	5.45	2017	Inferred Washington OFL provided in Appendix F (Table F2 pg 373) of the 2017 Blue and Deacon Rockfishes assessment.
Brown	N of 4010	2 (Year Based)	0.45 (0.212)	2.11	1.66	1.66	2013	OFL from the 2019 harvest projection update (Table 1 pg 3; Agenda Item H.6 Attachment 2 November 2019). The portion of the coastwide stock North of 40°10' N lat. based on the proportion of cumulative removals by area during 1916-2012 (~1.15%).N of 40°10' N lat. 2025 OFL = 181.9 * 0.0115 = 2.1; 2026 OFL = 182.5 * 0.0115 = 2.11.
Calico	N of 4010	3 (Year Based)	0.45 (0.222)					
China	WA	2 (Year Based)	0.45 (0.197)	9.19	7.38	7.38	2015	OFLs projected from the North Model in the 2015 assessment updated with 2019 catch-only projections (Table r pg 34; Agenda Item H.5 Supp Revised Attachment 19 September 2019).
China	4010 - 4616	2 (Year Based)	0.45 (0.197)	19.58	15.72	15.72	2015	OFLs projected from the Central Model in the 2015 assessment updated with 2019 catch-only projections (Table r pg 34; Agenda Item H.5 Supp Revised Attachment 19 September 2019).
Copper	N of 42						2021	Harvest specifications not yet available. Stock defined as OR and WA (N of 42). SSC will need to combine assessments to develop harvest specifications and harvest control rule.
Copper	42 - 4010	2 (Year Based)	0.45 (0.151)				2021	Harvest specifications not yet available. Stock defined as CA (S of 42), apportioned to complex.
Gopher	N of 4010	3 (Year Based)	0.45 (0.222)				2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Grass	N of 4010	3 (Year Based)	0.45 (0.222)	0.66	0.51	0.51	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).

Stock/Complex	Area	Category	P* (buffer)	2026 OFL	2026 ABC	2026 ACL	Assess Year	Notes
Kelp	N of 4010	3 (Year Based)	0.45 (0.222)	0.01	0.01	0.01	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Olive	N of 4010	3 (Year Based)	0.45 (0.222)	0.32	0.25	0.25	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Quillback	42 - 4010	2 (Year Based)	0.45 (0.151)				2021	Harvest specifications not yet available. Stock defined as CA (S of 42), apportioned to complex.
Quillback	WA	3 (Year Based)	0.45 (0.222)	2.86	2.23	2.23	2021	OFL projected using a 50% SPR harvest rate MSY proxy from the 2021 assessment of quillback rockfish in WA (November 2021 version Section 4.2 pg 20, per SSC recommendation as constant OFL = 2.86 mt, Category 3, P*=0.45, ABC = 2.22 mt).
Quillback	OR	2 (Year Based)	0.45 (0.151)	3.18	2.70	2.70	2021	OFL projected using a 50% SPR harvest rate from the 2021 assessment of quillback rockfish in Oregon (December 2021 version, Table 14 pg 51, per Section 4.1 pg 23).
Treefish	N of 4010	3 (Year Based)	0.45 (0.222)	0.22	0.17	0.17	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Nearshore Rockfish South	S of 4010			1,006.00	806.00	806.00		Sum of harvest specification contributions of component stocks in the complex.
Black and Yellow	S of 4010	2 (Year Based)	0.45 (0.167)				2019	Gopher and black-and-yellow rockfishes are now combined in the 2019 assessment and resulting harvest specifications (documented in the gopher specifications). OFL based on a 50% SPR harvest rate projected in the 2019 assessment (Table g pg xix).
Blue	4010 - 3427	2 (Year Based)	0.45 (0.182)	301.57	246.69	246.69	2017	OFL from the 2019 catch-only projection update (Table g pg 16; Agenda Item H.5 Supp Revised Attachment 17 September 2019). 90% of the CA OFL is apportioned South of 40°10' N lat. (see Appendix D of the 2017 Assessment, pg 361).S of 40°10' N lat. 2025 OFL = 335.61 * 0.90 = 302.049; 2026 OFL = 335.08 * 0.90 = 301.572.
Blue	S of 3427	3 (Year Based)	0.45 (0.222)	21.80	16.96	16.96	2017	Appendix G of the 2017 blue and deacon assessment describes calculation of the OFL proxy (pg 376).

Stock/Complex	Area	Category	P* (buffer)	2026 OFL	2026 ABC	2026 ACL	Assess Year	Notes
Brown	S of 4010	2 (Year Based)	0.45 (0.212)	180.39	142.15	142.15	2013	OFL from the 2019 harvest projection update (Table 1 pg 3; Agenda Item H.6 Attachment 2 November 2019). The portion of the coastwide stock South of 40°10' N lat. based on the proportion of cumulative removals by area during 1916-2012 (~98.8%).S of 40°10' N lat. 2025 OFL = 181.9 * 0.988 = 179.8; 2026 OFL = 182.5 * 0.988 = 180.39.
Calico	S of 4010	3 (Year Based)	0.45 (0.222)					
China	S of 4010	2 (Year Based)	0.45 (0.197)	17.61	14.14	14.14	2015	OFLs projected from the South Model in the 2015 assessment updated with 2019 catch-only projections (Table r pg 34; Agenda Item H.5 Supp Revised Attachment 19 September 2019).
Copper	S of 4010	2 (Year Based)	0.45 (0.151)				2021	Harvest specifications not yet available. Stock defined as CA (S of 42), apportioned to complex.
Gopher	S of 4010	2 (Year Based)	0.45 (0.167)	158.00	131.61	131.61	2019	Gopher and black-and-yellow rockfishes are now combined in the 2019 assessment and resulting harvest specifications (documented in the gopher specifications). OFL based on a 50% SPR harvest rate projected in the 2019 assessment (Table g pg xix).
Grass	S of 4010	3 (Year Based)	0.45 (0.222)	59.63	46.39	46.39	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Kelp	S of 4010	3 (Year Based)	0.45 (0.222)	27.66	21.52	21.52	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Olive	S of 4010	3 (Year Based)	0.45 (0.222)	224.64	174.77	174.77	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Quillback	S of 4010	2 (Year Based)	0.45 (0.151)				2021	Harvest specifications not yet available. Stock defined as CA (S of 42), apportioned to complex.
Treefish	S of 4010	3 (Year Based)	0.45 (0.222)	13.23	10.29	10.29	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Other Fish	CW			286.00	223.00	223.00		Sum of harvest specification contributions of component stocks in the complex.

Stock/Complex	Area	Category	P* (buffer)	2026 OFL	2026 ABC	2026 ACL	Assess Year	Notes
Kelp Greenling	CA	3 (Year Based)	0.45 (0.222)	118.90	92.50	92.50	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Leopard Shark	CW	3 (Year Based)	0.45 (0.222)	167.10	130.00	130.00	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Other Flatfish	CW			5,689.00	3,425.00	3,425.00		Sum of harvest specification contributions of component stocks in the complex.
Butter Sole	CW	3 (Year Based)	0.40 (0.398)	4.63	2.79	2.79		Based on the average catch during 1994-1998 + a 60% discard rate estimated from the EDCP study (2020 SAFE; Table 2-19 pg 260).
Curlfin Sole	CW	3 (Year Based)	0.40 (0.398)	8.24	4.96	4.96		Based on the average catch during 1994-1998 + a 60% discard rate estimated from the EDCP study (2020 SAFE; Table 2-19 pg 260).
Flathead Sole	CW	3 (Year Based)	0.40 (0.398)	35.00	21.07	21.07		Max. catch = 35 mt in 2005 (2020 SAFE; Table 2-19 pg 260).
Pacific Sanddab	CW	3 (Year Based)	0.40 (0.398)	4,801.00	2,890.20	2,890.20	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Rex Sole	CW	2 (Year Based)	0.40 (0.382)				2013	Harvest specifications not yet available.
Rock Sole	CW	3 (Year Based)	0.40 (0.398)	66.70	40.15	40.15	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Sand Sole	CW	3 (Year Based)	0.40 (0.398)	773.20	465.47	465.47	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Pacific Whiting	CW						2021	
Shelf Rockfish North	N of 4010			1,593.00	1,263.00	1,263.00		Sum of harvest specification contributions of component stocks in the complex.
Bocaccio	N of 4010	3 (Year Based)	0.45 (0.222)	284.01	220.96	220.96	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Bronzespotted	N of 4010	3 (Year Based)	0.45 (0.222)					

Stock/Complex	Area	Category	P* (buffer)	2026 OFL	2026 ABC	2026 ACL	Assess Year	Notes
Chameleon	N of 4010	3 (Year Based)	0.45 (0.222)					
Chilipepper	N of 4010	1 (Year Based)	0.45 (0.104)	170.38	152.66	152.66	2015	OFL from the 2019 projection update of the 2015 assessment (Table 7 pg 4; Agenda Item H.8 Supp Attachment 2 September 2019). OFLs are apportioned to the North (7%) and South (93%) of 40°10' N lat. based on average historical landings. N of 40°10' N lat. 2025 OFL = 2475 * 0.07 = 173.25; 2026 OFL = 2434 * 0.07 = 170.38.
Cowcod	N of 4010	3 (Year Based)	0.45 (0.222)	0.58	0.45	0.45	2019	OFL is based on the 2019 DB-SRA estimate in Appendix B of the 2019 cowcod assessment (Table F2 pg 179; Percentile 50% (Median)). OFLs are apportioned to the north of 40°10' N lat. (3%) and 40°10' - 34°27' N lat. (97%) based on cumulative historical catch (Table F3 pg 179; 1916-2018).
Flag	N of 4010	3 (Year Based)	0.45 (0.222)	0.07	0.06	0.06	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Freckled	N of 4010	3 (Year Based)	0.45 (0.222)					
Greenblotched	N of 4010	3 (Year Based)	0.45 (0.222)	1.28	0.99	0.99	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Greenspotted	42 - 4010	2 (Year Based)	0.45 (0.227)				2011	Harvest specifications not yet available.
Greenspotted	WA - OR	3 (Year Based)	0.45 (0.222)	6.10	4.75	4.75	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Greenstriped	N of 4010	3 (Year Based)	0.45 (0.222)	623.61	485.17	485.17	2009	OFL based on the MSY associated with the FMSY proxy in the 2009 assessment (Table d pg vii; Yield with SPR50% at SBSPR). The portion of the coastwide stock North (84.5%) and South (15.5%) of 40°10' N lat. is based on the mean of the 2003-2008 swept area biomass estimates from the NMFS trawl survey.
Halfbanded	N of 4010	3 (Year Based)	0.45 (0.222)					
Harlequin	N of 4010	3 (Year Based)	0.45 (0.222)					

Stock/Complex	Area	Category	P* (buffer)	2026 OFL	2026 ABC	2026 ACL	Assess Year	Notes
Honeycomb	N of 4010	3 (Year Based)	0.45 (0.222)					
Mexican	N of 4010	3 (Year Based)	0.45 (0.222)					
Pink	N of 4010	3 (Year Based)	0.45 (0.222)	0.004	0.003	0.003	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Pinkrose	N of 4010	3 (Year Based)	0.45 (0.222)					
Puget Sound	N of 4010	3 (Year Based)	0.45 (0.222)					
Pygmy	N of 4010	3 (Year Based)	0.45 (0.222)					
Redstripe	N of 4010	3 (Year Based)	0.45 (0.222)	269.91	209.99	209.99	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Rosethorn	N of 4010	3 (Year Based)	0.45 (0.222)	12.90	10.03	10.03	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Rosy	N of 4010	3 (Year Based)	0.45 (0.222)	3.03	2.36	2.36	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Silvergray	N of 4010	3 (Year Based)	0.45 (0.222)	159.42	124.03	124.03	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Speckled	N of 4010	3 (Year Based)	0.45 (0.222)	0.17	0.13	0.13	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Squarespot	42 - 4010	2 (Year Based)	0.45 (0.151)				2021	An OFL is not provided in this geographic area, per Section 4.3 (pg 21) of the 2021 squarespot rockfish data-moderate assessment in California, as after 2000 it is assumed that 100% of removals are from South of 40°10' N lat. and thus no apportionment of the overall OFL was made to this area.

Stock/Complex	Area	Category	P* (buffer)	2026 OFL	2026 ABC	2026 ACL	Assess Year	Notes
Starry	N of 4010	3 (Year Based)	0.45 (0.222)	0.004	0.003	0.003	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Stripetail	N of 4010	3 (Year Based)	0.45 (0.222)	40.40	31.43	31.43	2011	
Swordspine	N of 4010	3 (Year Based)	0.45 (0.222)	0.0001	0.0001	0.0001	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Tiger	N of 4010	3 (Year Based)	0.45 (0.222)	0.97	0.75	0.75	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Vermilion	N of 42						2021	Harvest specifications not yet available. Stock defined as OR and WA (N of 42). SSC will need to combine assessments to develop harvest specifications and harvest control rule.
Vermilion	42 - 4010						2021	Harvest specifications not yet available. Stock defined as CA (S of 42), apportioned to complex.
Shelf Rockfish South	S of 4010			1,831.00	1,459.00	1,458.00		Sum of harvest specification contributions of component stocks in the complex.
Bronzespotted	S of 4010	3 (Year Based)	0.45 (0.222)	3.65	2.84	2.84	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Chameleon	S of 4010	3 (Year Based)	0.45 (0.222)					
Flag	S of 4010	3 (Year Based)	0.45 (0.222)	23.42	18.22	18.22	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Freckled	S of 4010	3 (Year Based)	0.45 (0.222)					
Greenblotched	S of 4010	3 (Year Based)	0.45 (0.222)	23.13	18.00	18.00	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Greenspotted	4010 - 3427	2 (Year Based)	0.45 (0.227)				2011	Harvest specifications not yet available.

Stock/Complex	Area	Category	P* (buffer)	2026 OFL	2026 ABC	2026 ACL	Assess Year	Notes
Greenspotted	S of 3427	2 (Year Based)	0.45 (0.227)				2011	Harvest specifications not yet available.
Greenstriped	S of 4010	3 (Year Based)	0.45 (0.222)	114.39	89.00	89.00	2009	OFL based on the MSY associated with the FMSY proxy in the 2009 assessment (Table d pg vii; Yield with SPR50% at SBSPR). The portion of the coastwide stock North (84.5%) and South (15.5%) of 40°10' N lat. is based on the mean of the 2003-2008 swept area biomass estimates from the NMFS trawl survey.
Halfbanded	S of 4010	3 (Year Based)	0.45 (0.222)					
Harlequin	S of 4010	3 (Year Based)	0.45 (0.222)					
Honeycomb	S of 4010	3 (Year Based)	0.45 (0.222)	9.87	7.68	7.68	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Mexican	S of 4010	3 (Year Based)	0.45 (0.222)	5.05	3.93	3.93	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Pink	S of 4010	3 (Year Based)	0.45 (0.222)	2.50	1.95	1.95	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Pinkrose	S of 4010	3 (Year Based)	0.45 (0.222)					
Pygmy	S of 4010	3 (Year Based)	0.45 (0.222)					
Redstripe	S of 4010	3 (Year Based)	0.45 (0.222)	0.49	0.38	0.38	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Rosethorn	S of 4010	3 (Year Based)	0.45 (0.222)	2.13	1.66	1.66	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Rosy	S of 4010	3 (Year Based)	0.45 (0.222)	44.51	34.63	34.63	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).

Stock/Complex	Area	Category	P* (buffer)	2026 OFL	2026 ABC	2026 ACL	Assess Year	Notes
Silvergray	S of 4010	3 (Year Based)	0.45 (0.222)	0.54	0.42	0.42	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Speckled	S of 4010	3 (Year Based)	0.45 (0.222)	39.38	30.64	30.64	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Squarespot	S of 4010	2 (Year Based)	0.45 (0.151)	7.12	6.04	5.90	2021	OFL projected using a 50% SPR harvest rate from the 2021 squarespot rockfish data-moderate assessment in CA (Table 17 pg 47 – table incorrectly labeled ACL as ABC and buffer calculations were corrected in final projection values Agenda Item G.6 Attachment 2 September 2023).
Starry	S of 4010	3 (Year Based)	0.45 (0.222)	62.57	48.68	48.68	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Stripetail	S of 4010	3 (Year Based)	0.45 (0.222)	23.62	18.38	18.38	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Swordspine	S of 4010	3 (Year Based)	0.45 (0.222)	14.22	11.06	11.06	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Tiger	S of 4010	3 (Year Based)	0.45 (0.222)	0.04	0.03	0.03	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Vermilion	S of 4010						2021	Harvest specifications not yet available. Stock defined as CA (S of 42), apportioned to complex.
Yellowtail Rockfish	S of 4010	3 (Year Based)	0.45 (0.222)	1,064.40	828.10	828.10	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011).
Slope Rockfish North	N of 4010			1,754.00	1,460.00	1,460.00		Sum of harvest specification contributions of component stocks in the complex.
Aurora	N of 4010	1 (Year Based)	0.45 (0.113)	17.22	15.27	15.27	2013	OFL is based on the 2013 assessment, with a category 1 sigma, P* = 0.45, ACL=ABC in projections provided in 2023 (Table 2 pg 3; Agenda Item G.2 Attachment 2 September 2023). The portion of the coastwide stock north (19%) and south (81%) of 40°10' N lat. is based on average survey biomass.

Stock/Complex	Area	Category	P* (buffer)	2026 OFL	2026 ABC	2026 ACL	Assess Year	Notes
Bank	N of 4010	3 (Year Based)	0.45 (0.222)	17.24	13.41	13.41	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Blackgill Rockfish	N of 4010	3 (Year Based)	0.45 (0.222)	4.70	3.66	3.66	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Redbanded	N of 4010	3 (Year Based)	0.45 (0.222)	45.26	35.21	35.21	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Rougheye/Blackspotted	N of 4010	2 (Year Based)	0.45 (0.212)	232.26	183.02	183.02	2013	OFL based on the 2019 catch-only update of the 2013 assessment (Table f pg xi; Agenda Item H.5 Supp Revised Attachment 24 Sept 2019). The coastwide OFLs are apportioned north (98%) and south (2%) based on average landings during 1985-2012. N of 40°10' N. lat. 2025 OFL = 238 * 0.98 = 233.24; 2026 OFL = 237 * 0.98 = 232.26.
Sharpchin	N of 4010	2 (Year Based)	0.45 (0.212)	278.40	219.38	219.38	2013	OFL from the 2019 projection update of the 2013 assessment (Table 15 pg 8; Agenda Item H.8 Supp Attachment 2 September 2019). OFLs are apportioned to the North (80%) and South (20%) of 4010 N lat. based on average swept area biomass estimates from the triennial survey. N of 40°10' N lat. 2025 OFL = 350 * 0.8 = 280; 2026 OFL = 348 * 0.8 = 278.4.
Shortraker	N of 4010	3 (Year Based)	0.45 (0.222)	18.70	14.55	14.55	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Splitnose	N of 4010	1 (Year Based)	0.45 (0.044)	948.00	826.00	826.00	2009	Projections based on the 2009 assessment using the sigmas for 2020 and beyond (Table 3 pg 3; Agenda Item G.2 Attachment 2 September 2023).
Yellowmouth	N of 4010	3 (Year Based)	0.45 (0.222)	192.45	149.72	149.72	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Slope Rockfish South	S of 4010			865.00	690.00	690.00		Sum of harvest specification contributions of component stocks in the complex.

Stock/Complex	Area	Category	P* (buffer)	2026 OFL	2026 ABC	2026 ACL	Assess Year	Notes
Aurora	S of 4010	1 (Year Based)	0.45 (0.113)	73.40	65.11	65.11	2013	OFL is based on the 2013 assessment, with a category 1 sigma, $P^* = 0.45$, $ACL=ABC$ in projections provided in 2023 (Table 2 pg 3; Agenda Item G.2 Attachment 2 September 2023). The portion of the coastwide stock north (19%) and south (81%) of 40°10' N. lat. is based on average survey biomass.
Bank	S of 4010	3 (Year Based)	0.45 (0.222)	503.22	391.50	391.50	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Blackgill Rockfish	S of 4010	2 (Year Based)	0.45 (0.182)	203.00	166.05	166.05	2017	Values from a 2019 catch-only update/projection from the 2017 assessment update of blackgill rockfish in the Conception and Monterey INPFC areas (Table f pg x; Agenda Item H.5 Attachment 16 September 2019).
Pacific Ocean Perch	S of 4010	3 (Year Based)	0.45 (0.222)					
Redbanded	S of 4010	3 (Year Based)	0.45 (0.222)	10.41	8.10	8.10	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).
Rougheye/Blackspotted	S of 4010	2 (Year Based)	0.45 (0.212)	4.74	3.74	3.74	2013	OFL based on the 2019 catch-only update of the 2013 assessment (Table f pg xi; Agenda Item H.5 Supp Revised Attachment 24 Sept 2019). The coastwide OFLs are apportioned north (98%) and south (2%) based on average landings during 1985-2012. S of 40°10' N. lat. 2025 OFL = $238 * 0.02 = 4.76$; 2026 OFL = $237 * 0.02 = 4.74$.
Sharpchin	S of 4010	2 (Year Based)	0.45 (0.212)	69.60	54.84	54.84	2013	OFL from the 2019 projection update of the 2013 assessment (Table 15 pg 8; Agenda Item H.8 Supp Attachment 2 September 2019). OFLs are apportioned to the North (80%) and South (20%) of 40°10' N lat. based on average swept area biomass estimates from the triennial survey. S of 40°10' N lat. 2025 OFL = $350 * 0.2 = 70$; 2026 OFL = $348 * 0.2 = 69.6$.
Shortraker	S of 4010	3 (Year Based)	0.45 (0.222)	0.10	0.08	0.08	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).

Stock/Complex	Area	Category	P* (buffer)	2026 OFL	2026 ABC	2026 ACL	Assess Year	Notes
Yellowmouth	S of 4010	3 (Year Based)	0.45 (0.222)	0.85	0.66	0.66	2011	Revisions to OFL Contributions for Category 3 Stocks (Dick 2011). Original NOAA Technical Memo NOAA-TM-NMFS-SWFSC-460 (Dick and MacCall 2010).