

CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE REPORT  
ON 2024 GROUND FISH HARVEST IN CALIFORNIA

The California Department of Fish and Wildlife (CDFW) provides the following final report on harvest of select groundfish species of interest in 2024. A comprehensive reporting of groundfish mortality in California is found at the end of this report in Appendix 1. All values were rounded using standard rounding rules in each table for presentation purposes; for that reason, a sum of the values over rows or columns within tables may not equal the total value.

### **Rebuilding Stocks**

#### ***Yelloweye Rockfish***

The 2024 California recreational yelloweye rockfish harvest guideline (HG) was 11.8 mt, with an Annual Catch Target (ACT) of 9.3 mt. The preliminary complete year yelloweye rockfish mortality estimate is 4.6 mt, which is within the California recreational yelloweye rockfish ACT. The 2025 California recreational yelloweye rockfish HG is 11.4 mt, with an ACT of 8.9 mt. If fishing trends from 2024 continue in 2025, CDFW expects mortality of yelloweye rockfish to stay within the limits.

There have been no reported landings of yelloweye rockfish in the California non-trawl commercial fishery. Estimates of commercial discard mortality are expected to be available at the September 2025 Council meeting.

#### ***Quillback Rockfish***

In 2024, quillback rockfish remained in the minor nearshore rockfish complex, north and south of 40°10' N. lat., with a shared commercial and recreational species-specific Annual Catch Limit (ACL) of 0.96 mt for the area between 42° - 40°10' N. lat., and 0.97 mt for the area south of 40°10' N. lat. The preliminary estimated mortality for each area was 0.35 mt and 0.75 mt, respectively. The preliminary mortalities are within the area-specific ACL values for quillback rockfish in 2024, which indicates that management measures designed to reduce quillback rockfish mortality were successful.

There have been no reported landings of quillback rockfish in the California non-trawl commercial fishery. Estimates of commercial discard mortality are expected to be available at the September 2025 Council meeting.

### **Stocks of Special Interest**

#### ***Copper Rockfish***

For 2024, copper rockfish are managed within the minor nearshore rockfish complex, north and south of 40°10' N. lat., with a shared commercial and recreational species-specific ACL contribution of 6.99 mt for the area between 42° - 40°10' N. lat. and 87.73 mt for the area south of 40°10' N. lat. Combined recreational mortality and commercial landings were 3.3 mt and 35.0 mt, respectively in each area, and remained within the area-specific ACL contribution to the complex values for copper rockfish in 2024. Estimates of commercial discard mortality are expected to be available at the September 2025 Council meeting.

### ***Vermilion Rockfish***

Vermilion rockfish are managed within the shelf complex north and south of 40°10' N. lat., with a shared commercial and recreational species-specific non-trawl ACL contribution of 2.6 mt north 40°10' N. lat. and 247.0 mt south of 40°10' N. lat. Mortality was 4.0 mt for the area north, and 247.6 mt for the area south. Although both of these non-trawl ACL contributions were exceeded, total harvest of the minor shelf complex in both areas remained within the area-specific ACL and OFL values (see Tables 1, 2 and 3 in Appendix 1).

For the area south of 40°10' N. lat., mortality of vermilion rockfish exceeded the species-specific ACL contribution each year from 2015 through 2023, prompting several regulatory changes to reduce mortality. The 2024 mortality is within one mt of the non-trawl ACL contribution to the complex and suggests management actions to reduce vermilion rockfish mortality south of 40°10' N. lat. have been successful. However, full attainment of the vermilion ACL contribution to the complex again in 2024, after exceeding this contribution each year from 2015 through 2023 reinforces there is no room for additional recreational or commercial inseason opportunities that have even the most minor of increases to vermilion rockfish harvest.

### **Non-Trawl Commercial Fishery Comparison to 2023**

State and federal regulatory actions taken to reduce contact with quillback rockfish reduced access to co-occurring nearshore and shelf stocks in inshore waters. Consequently, some effort shifted to shelf and slope rockfishes in 2024 that has resulted in greater mortality for some species than in previous years.

#### ***North of 40°10' N. lat.***

Year-end landings of nearshore rockfish north of 40°10' N. lat. decreased by 50% compared to 2023. Similarly, landings of vermilion rockfish have dropped by 67%, and lingcod landings declined by 82%. Industry members attribute these declines to the state's decision to close state waters (0-3 nautical miles) to commercial groundfish fishing, with exceptions for stocks authorized under the state's Nearshore and Deeper Nearshore Fishery Permits. These measures, aimed at protecting quillback rockfish, along with the opening of the non-trawl Rockfish Conservation Area to open access (OA) and limited entry fixed-gear non-bottom contact fishing, concentrated effort on certain shelf and slope species. Notably, the slope complex north of 40°10' N. lat. experienced a 167% increase in landings, driven by the increased landings of redbanded and blackgill rockfish. The shelf complex north of 40°10' N. lat. increased by 158%, the majority of which was bocaccio rockfish. Additionally, coastwide landings of canary and widow rockfish increased by 113% and 209%, respectively. The total species-specific ACL contributions and OFLs contributions to the area-specific complexes were not exceeded.

#### ***South of 40°10' N. lat.***

Landings between 40°10' N. lat. and 37°07' N. lat. were also impacted by the closures to protect quillback rockfish. South of 40°10' N. lat. lingcod landings were down by 30%. Vermilion rockfish were down by 7%, but that is likely in part due to the inseason action taken November 2023 to reduce OA trip limits. Other flatfish landings were down by 50%, most of which can be attributed to a reduction of sand dab landings in the Southern California Bight. Conversely, some commercial landings in the south increased substantially; catch was higher for bocaccio rockfish (186%), chilipepper rockfish (154%), and slope rockfish landings nearly doubled. The increase in commercial non-nearshore harvest has not exceeded area specific stock complex ACLs while

providing some relief from inshore closures.

***Sablefish and Shortspine Thornyhead***

Sablefish landings, both north and south of 36°N lat., increased during the latter half of the year, reaching levels comparable to those observed in 2023. These trends suggest that the lower market value of sablefish has not substantially impacted landings. In contrast, shortspine thornyhead landings, both north and south of 34°27' N lat., have increased by approximately 130%, with the majority of these landings being live. While sablefish landings have remained relatively stable, the increase in shortspine thornyhead landings may indicate an expansion of the directed live shortspine thornyhead fishery. Area-specific non-trawl ACLs were not exceeded for these stocks.

## Appendix 1.

This appendix provides preliminary final California harvest information for the 2024 fishing season relative to Annual Catch Limits (ACLs), Harvest Guidelines (HGs), sector allocations, and Annual Catch Targets (ACTs) for 2024. Catch includes estimates of total mortality from the recreational sector, and landings from the commercial sector without discard mortality. Commercial landings are from the non-trawl fixed gear limited entry and open access sectors, except for blackgill rockfish landings which include both trawl and non-trawl landings.

Monthly recreational catch estimates are from RecFIN through December 2024 and reflect activity across all recreational management areas (Table 1). Commercial landings data are from PacFIN and reflect activity across all management areas from January through December 31, 2024 (Table 2). The 2024 combined recreational and commercial catches are compared to federally designated harvest specifications in Table 3.

Table 1. Estimated catch (mt) of select groundfish species in the California recreational sector by month in 2024. Data are from RecFIN, are preliminary and subject to change. Note: 0.0 indicates trace mortality; a dash (-) indicates no mortality.

Stock/Stock Complex	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Yelloweye rockfish <sup>a</sup>	-	-	-	0.3	0.2	0.1	0.6	0.4	0.2	2.1	0.2	0.6	4.6
CA Black rockfish <sup>a</sup>	0.0	0.0	0.0	0.1	15.7	19.7	48.3	35.4	14.4	0.3	7.3	0.0	141.3
Canary rockfish	-	-	0.0	4.0	2.7	1.9	3.9	4.5	3.1	11.6	3.9	4.6	40.2
Darkblotched rockfish	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Shortbelly rockfish	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0
Splitnose rockfish	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Widow rockfish	-	-	-	0.6	0.1	0.0	0.2	0.3	0.1	1.1	0.1	0.6	3.0
Spiny dogfish	0.1	-	0.0	-	0.0	0.1	0.5	0.7	0.3	0.1	0.2	1.0	3.0
Dover sole	-	-	-	-	-	-	0.0	-	-	-	-	-	0.0
English sole	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Petrale sole	0.0	-	0.2	1.4	0.3	0.8	2.0	2.8	1.1	1.9	0.0	0.2	10.6
Starry flounder	-	-	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-	0.0	0.0	0.4
Other flatfish	0.3	0.7	0.9	2.0	1.6	1.4	4.6	4.5	4.3	2.3	0.7	1.1	24.4
CA Cabezon	0.1	0.1	0.1	0.1	2.8	2.1	5.0	5.1	2.4	0.1	1.8	0.0	19.8
CA Kelp greenling	0.0	0.1	0.0	0.1	0.2	0.1	0.3	0.4	0.2	0.2	0.1	0.0	1.8
Nearshore rockfish N. 42°-40°10' N. lat. <sup>b</sup>	-	0.0	-	-	0.8	1.5	3.8	4.3	1.8	0.0	1.1	-	13.2
Copper rockfish 42°-40°10' N. lat. <sup>a</sup>	-	0.0	-	-	0.2	0.5	1.1	0.8	0.5	-	0.0	-	3.2

Stock/Stock Complex	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Quillback rockfish 42°-40°10' N. lat. <sup>a</sup>	-	-	-	-	0.0	0.0	0.2	0.1	0.0	0.0	0.0	-	0.4
Shelf rockfish N. 40°10' N. lat. <sup>c</sup>	-	-	-	0.0	0.4	0.6	0.8	1.4	0.5	0.1	0.1	-	4.1
Squarespot rockfish N. 40°10' N. lat.	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Vermilion rockfish N. 40°10' N. lat.	-	-	-	-	0.4	0.6	0.7	1.2	0.4	0.0	0.1	-	3.5
Yellowtail rockfish N. 40°10' N. lat.	-	-	-	0.3	0.0	0.2	0.2	0.2	0.0	0.1	0.0	-	1.0
Slope rockfish N. 40°10' N. lat.	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Lingcod N. 40°10' N. lat.	-	-	0.0	0.1	3.0	6.4	8.3	10.1	4.5	0.2	2.6	-	35.3
Nearshore rockfish S. 40°10' N. lat. <sup>b</sup>	0.1	0.1	0.3	5.9	29.9	29.4	66.9	60.4	35.5	2.1	20.7	0.5	251.9
Copper rockfish S. 40°10' N. lat. <sup>a</sup>	0.0	0.0	0.0	3.1	3.0	4.3	7.1	7.7	3.9	1.2	2.8	0.3	33.6
Quillback rockfish S. 40°10' N. lat. <sup>a</sup>	-	-	-	-	0.0	0.0	0.2	0.2	0.1	0.0	0.1	0.0	0.7
CA scorpionfish	3.4	6.5	8.3	4.4	18.2	38.0	15.7	39.1	11.6	6.0	5.3	6.9	163.3
Shelf rockfish S. 40°10' N. lat. <sup>c</sup>	0.1	0.2	0.4	40.0	37.9	26.4	30.7	23.0	24.7	80.3	37.0	54.5	355.3
Mexican Rockfish S. 40°10' N. lat.	-	-	-	2.5	3.8	6.8	0.4	0.1	0.2	11.1	7.7	3.8	36.3
Squarespot Rockfish S. 40°10' N. lat.	-	0.0	0.0	0.8	0.5	0.1	0.2	0.2	0.6	0.1	0.1	0.2	3.0
Vermilion rockfish S. 40°10' N. lat.	0.1	0.2	0.3	20.6	23.0	12.2	19.8	16.4	15.9	20.8	12.6	15.4	157.2
Bocaccio S. 40°10' N. lat.	-	0.0	0.0	17.5	25.3	11.9	11.8	12.1	14.1	34.5	11.5	19.9	158.5
Chilipepper S. 40°10' N. lat.	0.0	-	0.0	8.6	5.4	2.8	3.2	0.5	4.7	28.5	18.8	19.3	91.7
Cowcod S. 40°10' N. lat.	-	-	-	0.7	0.2	0.2	0.3	-	0.0	1.4	0.3	0.7	3.7
Slope rockfish S. 40°10' N. lat. <sup>d</sup>	-	-	-	3.8	5.3	0.4	-	0.0	-	1.7	4.0	4.3	19.5
Blackgill rockfish S. 40°10' N. lat.	-	-	-	-	0.0	0.0	-	-	-	0.1	-	-	0.1
Lingcod S. 40°10' N. lat.	0.0	0.1	0.0	6.5	15.8	16.8	33.4	40.7	22.7	20.3	20.5	6.1	183.0
Sablefish N. 36° N. lat.	-	-	-	0.1	0.0	0.0	1.0	0.1	0.0	0.3	0.2	0.3	2.0
Sablefish S. 36° N. lat.	-	-	0.0	0.1	0.0	0.1	0.1	0.3	0.5	0.1	-	0.0	1.2
Longspine thornyhead N 34° 27' N. lat.	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Longspine thornyhead S 34° 27' N. lat.	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Shortspine thornyhead N 34° 27' N. lat.	-	-	-	-	-	-	0.0	0.0	-	-	-	-	0.0
Shortspine thornyhead S 34° 27' N. lat.	-	-	-	-	-	-	-	-	-	-	-	-	0.0

a/ Totals for yelloweye rockfish, black rockfish, copper rockfish, and quillback rockfish are CRFS estimates only and do not include ACV projections.

b/ Includes catch of copper rockfish and quillback rockfish.

c/ Includes catch of squarespot rockfish and vermilion rockfish in both areas and Mexican rockfish for the area South of 40°10' N. lat.

d/ Does not include catch of blackgill rockfish south of 40°10' N. lat. due to a separate harvest limit from the slope rockfish complex south of 40°10' N. lat.

Table 2. Landings (mt) of select groundfish species in California commercial non-trawl fixed gear limited entry and open access sectors, except for blackgill rockfish landings which include trawl and non-trawl, by month in 2024. Data are from PacFIN (2/10/2025), are preliminary and subject to change. Note: Landing estimates do not include discard mortality. 0.0 indicates trace landings; a dash (--) indicates no landings.

Stock/Stock Complex	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Total
Yelloweye rockfish	--	--	--	--	--	--	--	--	--	--	--	--	--
CA Black rockfish	0.0	0.1	0.3	1.1	1.5	4.5	6.3	7.3	3.4	3.5	0.9	0.5	29.3
Canary rockfish	1.1	1.1	1.2	1.3	0.7	2.5	2.0	1.8	2.2	2.6	1.2	1.3	19.1
Darkblotched rockfish	--	--	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.5
Shortbelly rockfish	--	--	--	--	--	--	--	--	--	--	--	--	--
Splitnose rockfish	0.0	0.0	0.0	0.0	--	0.0	--	0.0	0.0	0.0	0.0	0.0	0.1
Widow rockfish	0.5	0.9	0.6	0.8	1.6	1.1	1.4	1.5	1.2	1.1	1.1	0.6	12.3
Spiny dogfish	0.0	0.0	--	--	--	0.0	0.1	0.1	0.0	0.4	--	0.2	0.8
Dover sole	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.5
English sole	--	--	--	--	--	--	--	--	--	--	--	--	--
Petrale sole	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.7
Starry flounder	--	0.0	--	--	--	0.0	0.0	--	0.0	--	--	--	0.1
Other flatfish	0.2	0.0	0.0	0.0	0.1	0.1	0.2	0.0	0.0	0.2	0.1	0.2	1.2
CA Cabezon	1.8	1.4	1.9	2.8	2.3	2.3	3.3	1.8	2.6	1.8	1.8	1.3	25.0
CA Kelp greenling	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.2	1.7
Nearshore rockfish N. 42°-40°10' N. lat. <sup>a</sup>	--	--	0.2	0.1	0.0	0.4	0.5	0.8	0.4	0.8	0.2	0.1	3.5
Copper rockfish 42°-40°10' N. lat.	--	--	--	0.0	0.0	0.0	0.1	0.0	0.0	0.0	--	0.0	0.1
Quillback rockfish 42°-40°10' N. lat.	--	--	--	--	--	--	--	--	--	--	--	--	--
Shelf rockfish N. 40°10' N. lat. <sup>b</sup>	--	0.0	0.0	--	--	0.3	0.3	0.5	1.4	0.2	0.2	0.1	3.0
Squarespot Rockfish N. 40°10' N. lat.	--	--	--	--	--	--	--	--	--	--	--	--	--
Vermilion rockfish N. 40°10' N. lat.	--	0.0	--	--	--	0.1	0.0	0.1	0.1	--	0.1	0.0	0.4
Yellowtail rockfish N. 40°10' N. lat.	0.2	0.4	0.1	0.0	0.1	0.1	0.5	1.4	0.5	0.2	0.1	0.1	3.7
Slope rockfish N. 40°10' N. lat.	--	--	0.0	0.0	0.0	0.5	0.4	1.8	1.1	0.4	0.5	0.3	5.0
Lingcod N. 40°10' N. lat.	--	--	--	0.0	--	0.3	0.0	0.3	0.2	0.2	0.5	0.5	2.0
Nearshore rockfish S. 40°10' N. lat. <sup>a</sup>	2.9	3.9	4.0	6.5	6.9	7.5	11.4	9.6	9.8	8.9	5.1	4.0	80.6
Copper rockfish S. 40°10' N. lat.	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	1.4
Quillback rockfish S. 40°10' N. lat.	--	--	--	--	--	--	--	--	--	--	--	--	--
CA scorpionfish		--	--	--	0.3	0.2	0.2	0.2	--	0.0	--	--	0.9

Stock/Stock Complex	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Total
Shelf rockfish S. 40°10' N. lat. <sup>b</sup>	12.8	10.9	10.2	10.6	11.7	12.2	9.7	12.0	11.9	13.0	12.2	9.2	136.4
Mexican Rockfish S. 40°10' N. lat.	0.3	0.4	0.9	0.6	0.9	0.7	0.6	0.9	0.4	0.4	0.7	0.4	7.2
Squarespot Rockfish S. 40°10' N. lat.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--	0.2
Vermilion rockfish S. 40°10' N. lat.	9.6	7.0	6.8	7.5	7.2	8.5	6.4	7.9	7.3	8.2	7.6	6.2	90.4
Bocaccio S. 40°10' N. lat.	10.7	8.8	8.1	5.2	8.2	5.9	14.8	12.6	15.4	11.9	12.3	8.6	122.5
Chilipepper S. 40°10' N. lat.	3.9	4.3	7.7	4.2	5.2	4.7	8.8	5.1	6.3	5.6	6.8	6.9	69.5
Cowcod S. 40°10' N. lat.	--	--	--	--	--	--	--	--	--	--	--	--	--
Slope rockfish S. 40°10' N. lat. <sup>c</sup>	1.5	1.5	1.0	0.7	1.5	1.9	1.8	1.1	1.9	2.2	0.6	0.6	16.2
Blackgill rockfish S. 40°10' N. lat. <sup>d</sup>	3.1	2.4	3.2	4.0	5.6	3.2	2.8	5.0	5.7	5.4	5.8	8.7	54.9
Lingcod S. 40°10' N. lat.	0.9	1.1	1.0	1.9	1.5	1.5	1.3	1.3	2.0	2.2	1.9	2.0	18.6
Sablefish N. 36° N. lat.	27.8	25.9	35.0	46.6	41.0	54.2	70.5	99.0	92.3	91.5	72.0	57.0	712.8
Sablefish S. 36° N. lat.	11.9	12.9	16.9	17.8	14.4	14.6	14.3	12.2	13.4	19.8	21.3	16.7	186.2
Longspine thornyhead N 34°27' N. lat.	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.4	0.3	0.2	0.3	0.2	2.5
Longspine thornyhead S 34°27' N. lat.	0.4	0.1	0.2	0.4	0.4	0.4	0.3	0.5	0.5	0.3	0.3	0.4	4.3
Shortspine thornyhead N 34°27' N. lat.	1.9	1.4	1.9	1.8	2.2	1.8	1.5	3.2	4.6	3.2	3.3	3.9	30.9
Shortspine thornyhead S 34°27' N. lat.	2.5	2.2	1.5	3.1	3.5	3.5	2.3	2.9	2.9	3.5	4.0	5.4	37.3

a/ Includes landings of copper rockfish and quillback rockfish. Does not include landings of California black rockfish.

b/Includes landings of Mexican rockfish, vermilion rockfish, and squarespot rockfish

c/ Does not include landings of blackgill rockfish south of 40°10' N. lat. due to a separate harvest limit from the slope rockfish complex south of 40°10' N. lat.

d/ Blackgill rockfish south of 40°10' N. lat. landings include both trawl and non-trawl sectors.

Table 3. Estimated mortality (mt) of select groundfish species in California for 2024 compared to the harvest limits for 2024.

Stock/Stock Complex	Reference Point	Recreational Mortality (mt)	Commercial non-trawl Landings (mt)	Total (mt)	Tracking Limits	Percent Attainment
Yelloweye rockfish <sup>a</sup>	ACT (CA rec) <sup>b</sup>	4.6	--	4.6	9.3	50.0%
CA Black rockfish <sup>a</sup>	ACL	141.3	29.3	170.6	229.0	74.5%
Canary rockfish	HG (rec) <sup>b</sup>	40.2	19.1	40.2	112.9	35.6%
Darkblotched rockfish	Non-Trawl Allocation	0.0	0.5	0.5	37.9	1.3%
Shortbelly rockfish	EC Species Threshold <sup>c</sup>	0.0	--	0.0	2,000.0	0.0%
Splitnose rockfish	Non-Trawl Allocation	0.0	0.1	0.1	76.7	0.1%
Widow rockfish	Non-Trawl Allocation	3.0	12.3	15.3	400.0	3.8%
Spiny dogfish	Fishery Harvest Guideline	3.0	0.8	3.8	1,055.5	0.4%
Dover sole	Non-Trawl Allocation	0.0	0.5	0.5	2,420.1	0.0%
English sole	Non-Trawl Allocation	0.0	--	0.0	435.0	0.0%
Petrale sole	Non-Trawl Allocation	10.6	0.7	11.3	30.0	37.7%
Starry flounder	Non-Trawl Allocation	0.4	0.1	0.5	171.9	0.3%
Other flatfish	Non-Trawl Allocation	24.4	1.2	25.6	465.3	5.5%
CA Cabezon	ACL	19.8	25.0	44.8	171.0	26.2%
CA Kelp greenling	<sup>d</sup>	1.8	1.7	3.4	92.5	3.7%
Nearshore rockfish N. 42°-40°10' N. lat. <sup>e</sup>	HG (CA Share) <sup>f</sup>	13.2	3.5	16.7	39.9	41.9%
Copper rockfish 42°-40°10' N. lat. <sup>a</sup>	ACL Contribution to Complex	3.2	0.1	3.3	7.0	47.7%
Quillback rockfish 42°-40°10' N. lat. <sup>a</sup>	ACL Contribution to Complex	0.4	--	0.4	1.0	37.0%
Shelf rockfish N. 40°10' N. lat. <sup>g</sup>	Non-Trawl Allocation	4.1	3.0	7.2	480.4	1.5%
Squarespot Rockfish N. 40°10' N. lat.	<sup>h</sup>	0.0	--	0.0	4.7	0.0%
Vermilion rockfish N. 40°10' N. lat.	Non-Trawl ACL Contribution to Complex	3.5	0.4	4.0	2.6	152.5%
Yellowtail rockfish N. 40°10' N. lat.	Non-Trawl Allocation	1.0	3.7	4.7	543.9	0.9%
Slope rockfish N. 40°10' N. lat.	Non-Trawl Allocation	0.0	5.0	5.0	275.6	1.8%
Lingcod N. 40°10' N. lat.	Non-Trawl Allocation	35.3	2.0	37.3	1,965.9	1.9%
Nearshore rockfish S. 40°10' N. lat. <sup>e</sup>	ACL	251.9	80.6	332.4	891.0	37.3%



Stock/Stock Complex	Reference Point	Recreational Mortality (mt)	Commercial non-trawl Landings (mt)	Total (mt)	Tracking Limits	Percent Attainment
Copper rockfish S. 40°10' N. lat. <sup>a</sup>	ACL Contribution to Complex	33.6	1.4	35.0	87.7	39.9%
Quillback rockfish S. 40°10' N. lat. <sup>a</sup>	ACL Contribution to Complex	0.7	--	0.7	1.0	76.9%
CA scorpionfish	ACL	163.3	0.9	164.2	252.0	65.2%
Shelf rockfish S. 40°10' N. lat. <sup>g</sup>	Non-Trawl Allocation	355.3	136.4	491.7	1,169.0	42.1%
Mexican Rockfish S. 40°10' N. lat.	Non-Trawl ACL Contribution to Complex	36.3	7.2	43.5	3.4	1279.6%
Squarespot Rockfish S. 40°10' N. lat.	Non-Trawl ACL Contribution to Complex	3.0	0.2	3.1	8.4	37.2%
Vermilion rockfish S. 40°10' N. lat.	Non-Trawl ACL Contribution to Complex	157.2	90.4	247.6	247.0	100.2%
Bocaccio S. 40°10' N. lat.	Non-Trawl Allocation	158.5	122.5	281.1	749.7	37.5%
Chilipepper S. 40°10' N. lat.	Non-Trawl Allocation	91.7	69.5	161.2	505.9	31.9%
Cowcod S. 40°10' N. lat.	Non-Trawl Allocation	3.7	--	3.7	43.4	8.5%
Slope rockfish S. 40°10' N. lat. <sup>i</sup>	Non-Trawl Allocation	19.5	16.2	35.7	243.5	14.7%
Blackgill rockfish S. 40°10' N. lat. <sup>j</sup>	HG	0.1	54.9	55.0	170.0	32.3%
Lingcod S. 40°10' N. lat.	Non-Trawl Allocation	183.0	18.6	201.6	423.9	47.6%
Sablefish N. 36° N. lat.	Non-Trawl Allocation	2.0	712.8	714.8	6,309.0	11.3%
Sablefish S. 36° N. lat.	Non-Trawl Allocation	1.2	186.2	187.4	1,256.0	14.9%
Longspine thornyhead N 34° 27' N. lat.	Non-Trawl Allocation	0.0	2.5	2.5	105.4	2.4%
Longspine thornyhead S 34° 27' N. lat.	ACL	0.0	4.3	4.3	683.0	0.6%
Shortspine thornyhead N 34° 27' N. lat.	Non-Trawl Allocation	0.0	30.9	30.9	62.5	49.4%
Shortspine thornyhead S 34° 27' N. lat.	Non-Trawl Allocation	0.0	37.3	37.3	645.3	5.8%

a/ Recreational totals for yelloweye rockfish, black rockfish, copper rockfish, and quillback rockfish are CRFS estimates only and do not include ACV projections.

b/The tracking limit for yelloweye and canary rockfish only includes the recreational limits as there are no state specific HG's or ACT for the non-trawl commercial sector.

c/ Shortbelly rockfish is an ecosystem component species and has a threshold of 2,000 lb as per FMP Amendment 30

d/ Reference point denotes the CA kelp greenling contribution to the Other Fish complex ACL.

e/ Includes catch of copper rockfish and quillback rockfish

f/ The nearshore complex north of 40°10' N lat. HG is 87.7 mt. The CA share of the HG is 39.9 mt.

g/ Includes catch of squarespot rockfish and vermilion rockfish in all areas and Mexican rockfish for the area south of 40°10' N. lat.

h/ Squarespot rockfish north of 40°10' N. lat. has no species-specific contribution within the Shelf Rockfish Complex north of 40°10' N. lat.

i/ Does not include blackgill rockfish landings south of 40°10' N. lat. due to a separate harvest limit from the slope rockfish complex south of 40°10' N. lat.

j/ Blackgill rockfish south of 40°10' N. lat. commercial landings include both trawl and non-trawl sector.