

## TECHNICAL CORRECTIONS FOR 2024 HARVEST SPECIFICATIONS

The Groundfish Management Team (GMT) reviewed the [Agenda Item G.8, Supplemental Revised Attachment 1, September 2023](#) and [Agenda Item G.8, Supplemental Attachment 5, September 2023](#). The GMT understands that the technical corrections can only be implemented for 2024; however, we provide updated mortality estimates for 2023 in Appendix 1 as reference.

This report provides modified tables from the aforementioned reports below, which show only the adopted vs the corrected 2024 harvest specifications for canary rockfish, darkblotched rockfish, squarespot rockfish (and Shelf Rockfish Complex south of 40° 10' N. lat.), yelloweye rockfish, yellowtail rockfish north of 40° 10' N. lat., and sablefish.

The explanation of the errors is fully detailed for canary rockfish, darkblotched rockfish, squarespot rockfish (and Shelf Rockfish Complex south of 40° 10' N. lat.), and yelloweye rockfish in [Agenda Item G.8, Revised Supplemental Attachment 1, September 2023](#) and for yellowtail rockfish north of 40° 10' N. lat. in [Agenda Item G.8, Revised Attachment 5, September 2023](#) and the details found in those reports are incorporated by reference.

### **Canary Rockfish**

**Table 1 The adopted 2024 canary rockfish overfishing limit (OFL), allowable biological catch (ABC), annual catch limit (ACL), fishery harvest guidelines (HG), and the trawl/non-trawl allocations for the 2024 harvest specifications compared to the correct harvest specifications. Values in metric tons (mt).**

<b>2024 Specification</b>	<b>Adopted (mt)</b>	<b>Correct (mt)</b>
OFL	1,401	1,434
ABC	1,267	1,296
ACL	1,267	1,296
Off-the-Top Deduction	68.9	68.9
Fishery HG	1,198.1	1,227.4
Trawl (72.3%)	866.2	887.4
At-sea	36	36
Shorebased IFQ	830.22	851.42
Non-trawl (27.7%)	331.9	340
Non-nearshore/nearshore (36.0%)	119.5	122.4
WA Recreational (12.3%)	40.8	41.8
OR Recreational(18.5%)	61.4	62.9
CA Recreational (33.2%)	110.2	112.9

### ***Darkblotched Rockfish***

**Table 2. The adopted darkblotched rockfish overfishing limit (OFL), allowable biological catch (ABC), annual catch limit (ACL), fishery harvest guidelines (HG), and the trawl/non-trawl allocations for the 2024 harvest specifications compared to the correct harvest specifications. Values in metric tons (mt).**

<b>2024 Specification</b>	<b>Adopted (mt)</b>	<b>Correct (mt)</b>
OFL	822	857
ABC	751	782
ACL	750	782
Off-the-Top Deduction	23.8	23.8
Fishery HG	726.2	758.7
Trawl (72.3%)	689.9	720.8
At-sea	76.4	76.4
Shorebased IFQ	613.53	644.34
Non-trawl (27.7%)	36.3	37.9

### ***Squarespot Rockfish***

**Table 3. The 2024 adopted squarespot rockfish overfishing limit (OFL), allowable biological catch (ABC), and annual catch limit (ACL) compared to the correct harvest. Values in metric tons (mt).**

<b>2024 Specification</b>	<b>Adopted (mt)</b>	<b>Correct (mt)</b>
OFL	11.1	6.0
ABC	9.6	5.2
ACL	9.6	4.8

### ***Shelf Rockfish South of 40° 10' N. Lat.***

As squarespot rockfish is managed within shelf rockfish south of 40° 10' N. lat. Complex, the proposed correction in the harvest specifications for squarespot rockfish would also affect the complex specifications and allocations. Reduction of the squarespot rockfish harvest specifications therefore reduce the shelf rockfish south of 40° 10' N. lat. Specifications by the same amount, as shown below in Table 4.

**Table 4. The adopted 2024 shelf rockfish south of 40° 10' N. lat. Overfishing limit (OFL), allowable biological catch (ABC), annual catch limit (ACL), harvest guideline (HG) and the trawl/non-trawl allocations compared to the correct harvest specifications. Value in metric tons (mt).**

<b>2024 Specification</b>	<b>Adopted (mt)</b>	<b>Correct (mt)</b>
OFL	1,838	1,833
ABC	1,469	1,464
ACL	1,469	1,464
Off-the-Top Deduction	132.8	132.8
Fishery HG	1,336.2	1,331.4
Trawl (12.2%)	163.0	162.43
At-sea	0	0
Shorebased IFQ	163.02	162.43
Non-trawl (87.8%)	1,173.2	1,169.0

***Yellowtail Rockfish North of 40° 10' N. Lat.***

**Table 5. The adopted 2024 yellowtail rockfish north OFL, ABC, ACL, HG, and the trawl/non-trawl allocations for the 2024 harvest specifications compared to the correct harvest specifications and the difference between those values. Values in metric tons (mt).**

<b>2024 Specification</b>	<b>Adopted (mt)</b>	<b>Correct (mt)</b>
OFL	6,090	5,795
ABC	5,560	5,291
ACL	5,560	5,291
Off-the-Top Deduction	1,027.6	1,027.6
Fishery HG	4,532.5	4,263.3
Trawl (88%)	3,988.6	3,751.7
At-Sea	320	320
Shorebased IFQ	3,668.56	3,431.69
Non-trawl (12%)	543.9	511.6

## Yelloweye Rockfish

Table 6. Adopted yelloweye rockfish overfishing limit (OFL), allowable biological catch (ABC), annual catch limit (ACL), harvest guideline (HG), annual catch target (ACT), and the trawl/non-trawl allocations for the 2023-24 harvest specifications compared to the correct yelloweye rockfish harvest specifications. Values in metric tons (mt).

Specification (mt)	Adopted Harvest Specifications		Correct Harvest Specifications	
	2024 (mt)		2024 (mt)	
OFL	123.4		91.2	
ABC (buffers: 0.840 in 2023 & 0.832 in 2024)	102.6		75.9	
ACL a/	66.0		53.3	
Off-the-Top Deduction	10.7		10.7	
Fishery HG	55.3		42.6	
<b>Trawl (8%)</b>	4.4		3.4	
<i>At-Sea</i>	0		0	
<i>Shorebased IFQ</i>	4.42		3.41	
<b>Non-trawl (92%)</b>	<b>HG</b>	<b>ACT</b>	<b>HG</b>	<b>ACT</b>
	50.9	39.9	39.2	30.7
<i>Non-nearshore/ Nearshore (20.9%)</i>	10.7	8.4	8.2	6.4
<i>WA Rec (25.6%)</i>	13.2	10.4	10.0	7.9
<i>OR Rec (23.3%)</i>	11.7	9.2	9.1	7.2
<i>CA Rec (30.2%)</i>	15.3	12.0	11.8	9.3

a/ SPR=0.65

## Sablefish

Table 7. The estimated percentage of sablefish biomass by area based on NWFSC WCGBT estimates using a five-year rolling average. The adopted version time period is 2014-18; whereas, the correct time period is 2015-19.

Area	Percentage of Biomass by Area per Five-Year Rolling Average	
	Adopted (2023-24 Spex)	Correct (Adopted Methodology)
	2014-2018	2015-2019
North 36° N. lat.	78.4%	77.9%
South 36° N. lat.	21.6%	22.1%

**Table 8. Sablefish north and south of 36° N. lat. Harvest specification and allocations as adopted for 2024 using the 2014-2018 NWFSC WCGBT survey data average and under the correct apportionment using the 2015-2019 average and the difference between the adopted and correct values. Values, except where noted, in metric tons (mt).**

<b>Harvest Specification (mt)</b>	<b>Adopted Values (mt)</b>	<b>Correct Values (mt)</b>
Coastwide OFL	10,670	10,670
Coastwide ABC	9,923	9,923
<b>North of 36° N. lat.</b>		
ACL	7,780	7,730
<b><u>Off the top deduction</u></b>	<b>815.7</b>	<b>810.7</b>
<u>Tribal Share a/</u>	778 (764.7)	773 (759.9)
<b><u>Non-Tribal Commercial</u></b>	<b>6,964.2</b>	<b>6,919</b>
Limited Entry (LE)	6,309	6,269
<i>LE Trawl</i>	3,659	3,636
At sea (set aside)	100	100
Shorebased IFQ	3,559.56	3,535.91
<i>LE Fixed Gear b/ c/</i>	2,650	2,633
Primary Tier b/ c/	2,252	2,238
LEFG DTL b/ c/	397	395
Tier 1 (lbs.)	66,805	66,377
Tier 2 (lbs.)	30,366	30,171
Tier 3 (lbs)	17,352	17,241
Open Access b/ c/	655 (630)	650 (626)
<b>South of 36° N. lat.</b>		
ACL	2,143	2,193
<b><u>Off the top deduction</u></b>	<b>27.4</b>	<b>27.4</b>
<b><u>Fishery HG</u></b>	<b>2,115.6</b>	<b>2,165.6</b>
Shorebased IFQ d/	888.55	909.55
Non-trawl Allocation	1227	1,256
Limited Entry Fixed Gear b/ c/	859	879 (863)
Open Access b/ c/	368	377 (370)

a/ Tribal values are reduced by a 1.7 percent discard mortality rate – shown in parentheses.

b/ Shares are total mortality and include a landed component and a discard mortality component.

c/ Values in parentheses, LE/OA fixed gear total catch shares are reduced by the anticipated discard mortality of sablefish, for 2023-24, 9 percent of the sablefish caught were anticipated to be discarded of which 20 percent are expected to die.

d/ There are no whiting set-asides for sablefish south of 36° N. lat., therefore the trawl allocation and the Shorebased IFQ are equivalent.

## APPENDIX 1

This report is informational only. The following tables update the 2023 estimated mortality, as of 9/10/2023, in G.8, Supplemental Revised Attachment 1 and Supplemental Attachment 5, September 2023 for the species that require technical corrections, except yelloweye rockfish. The projected mortality relative to the correct harvest specifications for yelloweye rockfish is provided in the yelloweye rockfish scorecard in Agenda Item G.8.a, Supplemental GMT Report 4, September 2023.

It is important to note the adopted 2023 harvest specifications will not be changed, this report is strictly to show what the mortality is relative to the correct harvest specifications. As of this report, the GMT does not see any conservation concerns for these species respective of the adopted or corrected harvest specifications.

### *Canary Rockfish*

**Table A 1. The adopted 2023 canary rockfish overfishing limit (OFL), allowable biological catch (ABC), annual catch limit (ACL), fishery harvest guidelines (HG), and the trawl/non-trawl allocations compared to the correct harvest specifications and the difference between those values. Estimated mortality and percent attained to date (9/10/2023) shown relative to the corrected value. Values in metric tons (mt).**

2023 Specification	Adopted (mt)	Correct (mt)	Difference (mt)	Mortality to date (mt) a/ b/	Percent Attained c
OFL	1,413	1,472	+59	573.02	38.93%
ABC	1,284	1,338	+54	573.02	42.83%
ACL	1,284	1,338	+54	573.02	42.83%
Off-the-Top Deduction	68.9	68.9	0	68.9 d/	100% d/
Fishery HG	1,215.1	1,269.1	+54	497.5	39.2%
Trawl (72.3%)	878.5	917.6	+39.1	424.58	46.27%
At-Sea	36	36	0	19.89	55.26%
IFQ	842.5	881.6	+39.1	404.69	45.9%
Non-trawl (27.7%)	336.6	351.6	+15	72.92	20.74%
Non-nearshore/ nearshore (36.0%)	121.2	126.6	+5.4	20.06	15.85%
WA Recreational (12.3%)	41.4	43.2	+1.8	17.11	39.6%
OR Recreational(18.5%)	62.2	65.1	+2.9	23.22	35.67%
CA Recreational (33.2%)	111.75	116.7	+4.95	12.53	10.73%

a/ Commercial catch-to-date data was downloaded from the [PacFIN APEX reporting system](#), 9/10/2023.

b/ Recreational catch-to-date data was downloaded from the [RecFIN reporting system](#), 9/10/2023.

c/ Percent attained is current mortality relative to the correct 2023 values.

d/Full attainment of off-the-top deductions are assumed due to differences in other fishery reporting timelines.

## ***Darkblotched Rockfish***

**Table A 2. The adopted 2023 darkblotched rockfish overfishing limit (OFL), allowable biological catch (ABC), annual catch limit (ACL), fishery harvest guidelines (HG), and the trawl/non-trawl allocations compared to the correct harvest specifications and the difference between those values. Estimated mortality and percent attained to date (9/10/2023) shown relative to the corrected value. (mt).**

<b>2023 Specification</b>	<b>Adopted (mt)</b>	<b>Correct (mt)</b>	<b>Difference (mt)</b>	<b>Mortality to date (mt) a/b</b>	<b>Percent Attained</b>
OFL	856	894	+38	212.4	23.4%
ABC	785	820	+35	212.4	25.5%
ACL	785	820	+35	212.4	25.5%
Off-the-Top Deduction	23.8	23.8	0	23.8 c/	100% c/
Fishery HG	761.2	796.0	+34.8	181.1	22.8%
Trawl (72.3%)	723.2	756.2	+33	186.6	23.7%
At-sea	76.4	76.4	0	79.8	102.2%
IFQ	646.8	679.8	+33	106.8	15.0%
Non-trawl (27.7%)	38.1	39.8	+1.7	2.0	5.3%

a/ Commercial catch-to-date data was downloaded from the [PacFIN APEX reporting system](#), 9/10//2023.

b/ Percent attained is current mortality relative to the correct 2023 values.

c/ Full attainment of off-the-top deductions are assumed due to differences in other fishery reporting timelines.

## ***Squarespot Rockfish***

**Table C 3. The adopted 2023 squarespot rockfish overfishing limit (OFL), allowable biological catch (ABC), annual catch limit (ACL), fishery harvest guidelines (HG), and the trawl/non-trawl allocations compared to the correct harvest specifications and the difference between those values. Estimated mortality and percent attained to date (9/10/2023) shown relative to the corrected value. (mt).**

<b>2023 Specification</b>	<b>Adopted (mt)</b>	<b>Correct (mt)</b>	<b>Difference (mt)</b>	<b>Mortality to date (mt) a/b/</b>	<b>Percent Attained c/</b>
OFL	11.1	5.3	-5.8	1.71	32.3%
ABC	9.7	4.7	-5.1	1.71	36.4%
ACL	9.7	4.1	-5.6	1.71c/	41.7% c/
Non-trawl	NA	NA	NA	0.38	NA
Recreational	NA	NA	NA	1.33	NA

a/ Commercial catch-to-date data was downloaded from the [PacFIN APEX reporting system](#), 8/15/2023.

b/ Recreational catch-to-date data was downloaded from the [RecFIN reporting system](#), 8/15/2023.

c/ Percent attained is current mortality relative to the correct 2023 values.

***Shelf Rockfish Complex South of 40°10' N. lat.***

**Table A 4. The adopted 2023 shelf rockfish south overfishing limit (OFL), allowable biological catch (ABC), annual catch limit (ACL), fishery harvest guidelines (HG), and the trawl/non-trawl allocations compared to the correct harvest specifications and the difference between those values. Estimated mortality and percent attained to date (9/10/2023) shown relative to the corrected value. (mt).**

2023 Specification	Adopted (mt)	Correct (mt)	Difference (mt)	Catch-to date/ (mt) a/ b/	Percent Attained c/
OFL	1,835	1,829	-5.8	463.5	25.3%
ABC	1,469	1,464	-5.1	463.5	31.7%
ACL	1,469	1,463	-5.6	463.5	31.7%
Off-the-Top Deduction	132.8	132.8	0	132.8 d/	100% d/
Fishery HG	1,336.2	1,330.6	-5.6	330.7	24.9%
Trawl (12.2%)	163.0	162.3	-0.7	20.6	12.7%
IFQ	163.0	162.3	-0.7	20.6	12.7%
Non-trawl (87.8%)	1,173.2	1,168.3	-4.9	310.1	26.5%
Non-nearshore	NA	NA	NA	90.1 d/	NA
CA Recreational	NA	NA	NA	220 d/	NA

a/ Commercial catch-to-date data was downloaded from the [PacFIN APEX reporting system](#), 8/15/2023.

b/ Recreational catch-to-date data was downloaded from the [RecFIN reporting system](#), 8/15/2023.

c/ Percent attained is current mortality relative to the correct 2023 values.

d/ Full attainment of off-the-top deductions are assumed due to differences in other fishery reporting timelines.

***Yellowtail Rockfish North of 40° 10' N. lat.***

**Table A 5. The adopted 2023 yellowtail rockfish north overfishing limit (OFL), allowable biological catch (ABC), annual catch limit (ACL), fishery harvest guidelines (HG), and the trawl/non-trawl allocations compared to the correct harvest specifications and the difference between those values. Estimated mortality and percent attained to date (9/1/2023) shown relative to the corrected value. Values in metric tons (mt).**

2023 Specification	Adopted (mt)	Correct (mt)	Difference (mt)	Mortality to date (mt) a/	Percent Attained b/ (%)
OFL	6,178	5,853	-325	3,102.6	53%
ABC	5,666	5,367	-299	3,102.6	58%
ACL	5,666	5,367	-299	3,102.6	58%
Off-the-Top Deduction	1,027.6	1,027.6	0	1,027.6	100% c/
Fishery HG	4,638.5	4,339.7	-298.8	2,075.0	48%
Trawl (88%)	4,081.8	3,818.9	-262.9	1,977.6	52%
At-Sea	320	320	0	266	83%
IFQ	3,761.8	3,498.9	-262.9	1,711.6	49%
Non-trawl (12%)	556.6	520.8	-35.8	97.4	19%

a/ Commercial catch-to-date data was downloaded from the [PacFIN APEX reporting system](#), 9/1/2023.

b/ Percent attained is current mortality relative to the correct 2023 values.

c/ Full attainment of off-the-top deductions are assumed due to differences in other fishery reporting timelines.



## Sablefish

Table A6. Sablefish north and south of 36° N. lat. harvest specification and allocations as adopted for 2024 using the 2014-2018 WCGT survey data average and under the correct apportionment using the 2015-2019 average and the difference between the adopted and correct values.

Harvest Specification	Adopted Values	Correct Values	To Date Mortality (9/11) a/ b/	Percent Attained To Date of Correct Values c/
Coastwide OFL	11,577	11,577	4,088.2	35%
Coastwide ABC	10,825	10,825		38%
<b>North of 36° N. lat.</b>				
ACL	8,486.00	8,433	3,743.01	44%
<b><u>Off the top deduction</u></b>	<b>886.7</b>	<b>881</b>	<b>886.7</b>	101% d/
<b><u>Non-Tribal Commercial</u></b>	<b>7,600</b>	<b>7,552</b>	<b>2,856.3</b>	38%
Limited Entry	6,885	6,842	2,507	37%
<i>Limited Entry Trawl</i>	3,994	3,968	1,419.0	36%
At sea (set aside)	100	100	83.2	83%
Shorebased IFQ	3,893.5	3,868.3	1,335.8	35%
<i>Limited Entry Fixed Gear</i>	2,892	2,874	1,088	38%
Primary Tier	2,458	2,443	966.4	40%
LEFG DTL	434	431	121.3	28%
Open Access	714	710	349.7	49%
<b>South of 36° N. lat.</b>				
ACL	2338	2,392	345.1	14%
<b><u>Off the top deduction</u></b>	<b>27.4</b>	<b>27.4</b>	<b>27.4</b>	100% d/
<b><u>Fishery Harvest Guideline</u></b>	<b>2310.6</b>	<b>2,365</b>	<b>317.7</b>	13%
Trawl Allocation	970.5	993.3	73.2	7%
Non-trawl Allocation	1340.1	1,371.7	122.3	9%
Limited Entry Fixed Gear	938.1	960.2	106.5	11%
Open Access	402.0	411.5	15.7	4%

a/ Estimated mortality to-date data was downloaded from the [IFQ vessel account system](#) and [PacFIN APEX reporting system](#), 9/11/2023.

b/ LEFG and OA estimated mortality includes assumed discard mortality based on landings to date.

c/ Percent attained is current mortality relative to the correct 2023 values.

d/ Full attainment of off-the-top deductions are assumed due to differences in other fishery reporting timelines.