



**NOAA
FISHERIES**

Agenda Item F.3.
Supplemental NMFS Presentation 1
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Groundfish Assessment Prioritization for 2025

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Outline

- Goal: Identify a preliminary list of species to be considered for 2025 benchmark, data-moderate, update, or catch-only projection update.
- Review top-ranked species for 2025 given the groundfish assessment prioritization.
- Brief discussion on potential weeks to hold STAR panels in 2025 and capacity.
- If desired, discuss available data to support assessment reports (Attachments 3 and 4).

Groundfish Assessment Prioritization



Fishery Importance - Commercial

The adjustment for a species having been assessed the previous cycle has been moved from 'Assessment Frequency' to 'Fishery Importance' factors.

Species ↓	↓ Rank	↓ Factor Score	↓ Assessed Last Cycle	↓ Revenue
Widow rockfish	1	10.00	0.00	\$30,349
Dover sole	2	9.82	0.00	\$25,294
Sablefish	3	9.17	-2.00	\$94,930
Lingcod	4	8.99	0.00	\$10,692
Yellowtail rockfish	5	8.91	0.00	\$9,867
Petrale sole	6	8.21	-2.00	\$35,277
Chilipepper	7	7.86	0.00	\$3,332
Gopher/Black and Yellow rockfish	8	7.85	0.00	\$3,298
Cabazon	9	7.76	0.00	\$2,992
Vermilion/Sunset rockfish	10	7.61	0.00	\$2,582

Source: PacFIN 2018-2022

Fishery Importance - Tribal

Non-commercial Tribal importance scores were reviewed (and revised, as needed) by Tribal representatives.

Species ↓	↑ Rank ↓	Factor Score	↑ Tribal Score ↓	Assessed Last Cycle	↑ Revenue ↓
Sablefish	1	10.00	2.00	-2.00	\$8,650,743
Pacific cod	2	9.65	3.00	0.00	\$247,566
Petrале sole	3	9.02	2.00	-2.00	\$1,818,375
Lingcod	4	9.01	2.00	0.00	\$241,297
Yellowtail rockfish	5	8.92	2.00	0.00	\$207,961
Rougheye/Bl ackspotted rockfish	6	8.89	3.00	0.00	\$73,391
Dover sole	7	7.99	1.50	0.00	\$77,348
Sand sole	8	7.98	1.50	0.00	\$77,140
Redbanded rockfish	9	7.80	2.00	0.00	\$34,762
English sole	10	7.60	1.50	0.00	\$41,952



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Source: RecFIN 2018-2021

Fishery Importance - Recreational

‘Pseudo prices’ that are applied to Rec landed catch were reviewed (and revised, as needed) by state GMT members.

Species ↓	↓ Rank	↓ Factor Score ¹	↓ Assessed Last Cycle	Pseudo Revenue Coastwide
Lingcod	1	10.00	0.00	\$6,294
Blue/Deacon rockfish	2	9.19	0.00	\$3,104
Vermilion/Sunset rockfish	3	9.00	0.00	\$2,612
Yellowtail rockfish	4	8.14	0.00	\$1,232
California scorpionfish	5	7.84	0.00	\$948
Bocaccio	6	7.82	0.00	\$935
Black rockfish	7	7.79	-2.00	\$6,710
Brown rockfish	8	7.35	0.00	\$620
Gopher/Black and Yellow rockfish	9	6.46	0.00	\$284
Cabezon	10	6.46	0.00	\$284

Source: GEMM 2018-2022

Fishing Mortality

This factor scores fishing mortality as a percentage of the published OFLs (or *OFL contributions*, for species in assemblages)

Species ↓	↓ Rank	↓ Factor Score ↓	Average Catches ↓	Average OFL Attainment ⁷
Quillback rockfish	1	10	26.30	205.9%
Squarespot rockfish	1	10	13.90	122.8%
Vermilion/Sunset rockfish	1	10	357.90	128.3%
Stripetail rockfish	4	9	67.20	105.1%
Rosethorn rockfish	5	8	14.80	98.8%
Petrale sole	6	7	2,735.20	78.1%
Redbanded rockfish	6	7	44.50	80.0%
Treefish	6	7	10.30	76.7%
Widow rockfish	6	7	10,314.80	76.0%
Black rockfish	10	5	831.10	67.1%

Source: GEMM 2018-2022

Constituent Demand

Elements scored:

- Species that have greater importance to one recreational or commercial sector than captured in overall rank.
- Relationship of recent fishing mortality to upcoming ACLs to score choke species.

Species ↓	↓ Rank	↓ Factor Score	↓ Choke Stock Score	↓ Commerical Importance Score	↓ Recreational Importance Score	↓ Projected ACL Attainment ^{1,2}
Redbanded rockfish	1	6	4	2	0	103.0%
Rosethorn rockfish	1	6	5	1	0	127.0%
Squarespot rockfish	1	6	5	1	0	258.0%
Stripetail rockfish	1	6	5	1	0	135.0%
Canary rockfish	5	5	4	1	0	111.0%
Quillback rockfish	5	5	5	0	0	532.0%
Black rockfish	7	4	4	0	0	102.0%
Petrale sole	7	4	4	0	0	116.0%
Rougheye/Blackspotted rockfish	7	4	2	2	0	83.0%
Treefish	7	4	3	1	0	98.0%

Stock Status

Higher scores are assigned for lower estimated stock status, or higher PSA (Vulnerability) scores, where stock status is unknown.

Species ↓	↓ Rank	↓ Factor Score ↓	Fraction Unfished	↓ PSA
Quillback rockfish	1	7	25.7%	2.22
Bank rockfish	2	6	NA	2.02
Leopard shark	2	6	NA	2.00
Redbanded rockfish	2	6	NA	2.02
Redstripe rockfish	2	6	NA	2.16
Rosethorn rockfish	2	6	NA	2.09
Shortraker rockfish	2	6	NA	2.25
Silvergray rockfish	2	6	NA	2.20
Speckled rockfish	2	6	NA	2.10
Starry rockfish	2	6	NA	2.09

Rebuilding

Note that the catch-only projection update estimated 50% probability of rebuilding in 2028 for yelloweye rockfish assuming full removals

Species ↑	↓ Rank	↓ Factor Score	↑ Rebuilding Target Year
Quillback rockfish	1	10	2060
Yelloweye rockfish	2	9	2029
Arrowtooth flounder	3	0	NA
Aurora rockfish	3	0	NA
Bank rockfish	3	0	NA
Big skate	3	0	NA
Black rockfish	3	0	NA
Blackgill rockfish	3	0	NA
Blue/Deacon rockfish	3	0	NA
Bocaccio	3	0	NA

Ecosystem Importance

This factor scores the relative importance of species as prey and predators within the ecosystem

Species ↓	↓ Rank	↓ Factor Score ↓	Top Down Scaled ↓	Bottom Up Scaled
Pacific spiny dogfish	1	10.00	7.02	0.32
Sablefish	2	9.59	6.67	0.38
Arrowtooth flounder	3	5.72	4.04	0.17
Lingcod	4	3.09	2.13	0.14
Shortspine thornyhead	5	2.01	1.02	0.46
Yellowtail rockfish	6	1.99	1.20	0.26
Dover sole	7	1.88	0.06	1.32
Longnose skate	8	1.64	1.10	0.11
Chilipepper	9	1.18	0.77	0.10
Bocaccio	10	0.98	0.64	0.08

New Information and Research

Species ↓	↓ Rank	↓ Factor Score	↓ New Research	↓ Issues Can be Addressed	↓ Survey Abundance	↓ Survey Composition
Splitnose rockfish	1	7	2	0	2	3
Pacific sanddab	2	6	0	0	3	3
Rosethorn rockfish	2	6	0	0	3	3
Sharpchin rockfish	2	6	0	0	3	3
Stripetail rockfish	2	6	0	0	3	3
Aurora rockfish	6	5	1	0	1	3
Bank rockfish	6	5	1	0	3	1
Curlfin sole	6	5	0	0	3	2
Flathead sole	6	5	0	0	3	2
Greenstriped rockfish	6	5	0	0	2	3

Assessment Frequency

- This factor scores the time since the last assessment, in relation to a derived target frequency for each species
- It serves a valuable role in elevating the scores of species with assessments that are older than desired
- It formerly relied on average age of fishery catch to determine target assessment frequency by species
 - Only available for previously-assessed species
 - Didn't acknowledge the relevance of longevity for determining frequency targets
- Average catch age is now replaced by maximum age to determine target assessment frequencies
 - As modified by recruitment variability, and fishery and ecosystem importance



Assessment Frequency

Species ↓	Rank ↓	Factor Score ↓	Target Assessment Frequency ↓	Last Assessment Year ↓	Years Since Assessment ↓	Years Past Target Frequency ↓	Ten Years or Greater ↓
English sole	1	10.0	4	2013	12	8	3
Greenstriped rockfish	1	10.0	8	2009	16	8	3
Brown rockfish	3	8.2	6	2013	12	6	3
Chilipepper	3	8.2	4	2015	10	6	3
Kelp greenling	3	8.2	4	2015	10	6	3
Splitnose rockfish	3	8.2	10	2009	16	6	3
Greenspotted rockfish	7	6.4	10	2011	14	4	3
Longspine thornyhead	7	6.4	8	2013	12	4	3
Aurora rockfish	9	4.5	10	2013	12	2	3
China rockfish	9	4.5	8	2015	10	2	3



Overall Ranking for 2025

Species	Rank	Last Assessed	Species	Rank	Last Assessed
Quillback rockfish	1	2021	English sole	10	2013
Brown rockfish	2	2013	Sablefish	11	2023
Yellowtail rockfish	3	2017	Rosethorn rockfish	12	-
Widow rockfish	4	2019	Petrале sole	13	2023
Chilipepper	5	2015	Kelp greenling	14	2015
Redbanded rockfish	6	-	Greenstriped rockfish	15	2009
Vermilion/Sunset rockfish	7	2021	Greenspotted rockfish	16	2011
Bocaccio	8	2017	Rougeye/Blackspotted rockfish	17	2013
Lingcod	9	2019	China rockfish	18	2015



Potential STAR Panel Timing

2025

STAR Panel Options

MAY						
S	M	T	W	TH	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

JUNE						
S	M	T	W	TH	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

JULY						
S	M	T	W	TH	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		



STAR panels held between May 5th and July 28th would have final data deadlines ranging between February 10th to May 5th 2025

Assessment Capacity for 2025

- With current groundfish assessment staff at both Centers, we probably cannot support more than 3 STAR Panels
 - The combined number of assessors and support staff across both Centers is smaller than it was 10 years ago
- We are trying to add 1-2 additional Term hires this spring, who could help develop additional 2025 assessments
 - Those could be updates or additional full assessments

Questions?