

Groundfish AssessmentPrioritization 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





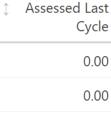
Fishery Importance - Commercial

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

Species	
Widow rockfish	
Dover sole	
Sablefish	
Lingcod	
Yellowtail rockfish	
Petrale sole	
Chilipepper	
Gopher/Black and Yellow rockfish	
Cabezon	

1	Rank	
	1	
	2	
	3	
	4	
	5	

\	Factor	Score
		10.00
		9.82





↑ Revenue

9.82
9.17
8.99

8 91



-2.00

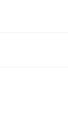
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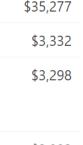
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Vermilion/Suns

et rockfish

9 10

6

7.76 7.61

0.00 0.00 Source: PacFIN 2018-2022

\$2,992 \$2.582

Fishery Importance - Tribal

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

taric		IDai			
Species \$	‡ Rank	Factor Score	↑ Tribal Score	1 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
Petrale 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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Fishery Importance - Recreational

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

Species \$	↑ Rank	\$\tag\$ Factor Score\$^1	Assessed Last Cycle	Pseude Revenu Coastwid
Lingcod	1	10.00	0.00	\$6,29
Blue/Deacon rockfish	2	9.19	0.00	\$3,10
Vermilion/Suns et rockfish	3	9.00	0.00	\$2,61
Yellowtail rockfish	4	8.14	0.00	\$1,23
California scorpionfish	5	7.84	0.00	\$94
Bocaccio	6	7.82	0.00	\$93
Black rockfish	7	7.79	-2.00	\$6,71
Brown rockfish	8	7.35	0.00	\$62
Gopher/Black and Yellow rockfish	9	6.46	0.00	\$28
Cabezon	10	6.46	0.00 Source: GEN	\$28



Fishing Mortality

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

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



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.

			Score	Importance Score	Importance Score	ACL Attainment
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/Bl ackspotted rockfish	7	4	2	2	0	83.0%
Treefish	7	4	3	1	0	98.0%



Source: GEMM 2018-2022

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 202 for yelloweye rockfish assuming full removals

	Species \$	↑ Rank	↑ Factor Score	\(\)	Rebuilding Target Year
	Quillback rockfish	1	10		2060
	Yelloweye rockfish	2	9		2029
e	Arrowtooth flounder	3	0		NA
	Aurora rockfish	3	0		NA
	Bank rockfish	3	0		NA
28	Big skate	3	0		NA
	Black rockfish	3	0		NA
g	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	\$\tag\$ 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



Source: Ecopath

New Information and Research

Species	‡ Rank	↑ Factor Score	↑ New Research	\$\tag\$ Issues Can be Addressed	\$\tag{Survey}\$ Abundance	\$\tag\$ 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



Source: NWFSC WCGBT and HKL surveys

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	Petrale 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	Rougheye/Blackspotted rockfish	17	2013
Lingcod	9	2019	China rockfish	18	2015



Potential STAR Panel Timing

2025

STAR Panel Options

MAY								
S	M	Т	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	М	Т	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	М	Т	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		



Council Meeting



Federal Holiday



Potential STAR Panel - June Council Meeting



Potential STAR Panel - Sept. Council Meeting



Weekend

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?

