



**NOAA
FISHERIES**

NWFSC
SWFSC

Agenda Item G.7.a
Supplemental NMFS Presentation 1
September 2022

G.7: Stock Assessment Check In and Final Plan

September 2022 Presentation to the
Pacific Fishery Management Council

Dr. Jim Hastie and Dr. Chantel Wetzel
Northwest Fisheries Science Center

Disclaimer: These materials do not constitute a formal publication and are for information only. They are in a pre-review, pre-decisional state and should not be formally cited or reproduced. They are to be considered provisional and do not represent any determination or policy of NOAA or the Department of Commerce.

Status Overview

G.7, Attachment 1: “Prospects for assessments tentatively adopted for 2023 in June, 2022”

- Joint meetings with state agency reps have set the stage for earlier identification of challenges for age-reading and catch histories
- Extensive age reading is planned for canary rockfish and petrale sole
 - These species will benefit from extra ageing time afforded by a July STAR Panel
- No new genetic findings to report for next year’s species
- SWFSC is collecting copper rockfish maturity/fecundity samples this winter
 - Analysis may not be ready in time for next year’s assessments
- G.5 decision on copper rockfish stock definition will impact assessments
 - **We don’t think a catch-only projection update for cowcod is needed**

Stock assessment and review options

- Table 1. Copper rockfish only assessed off CA: 42° stock boundary

Starting	Species	Assess. Type	Modeled Areas	Lead Agency Staff		Tentative NMFS assignments	State help
				Needed	Available		
Option A			9	8	9		
STAR Panel 1 June 5	Copper rockfish CA-only	Full	2	2		Wetzel, Monk	CDFW
	Shortspine thornyhead	LB-DM	1	Grad student class @ UW-SAFS, led by NWFSC staff		Hamel, Haltuch, Gertseva	
	Rex sole	LB-DM	1				
STAR Panel 2 July 10	Black rockfish	Full	3	3		Cope, Dick & Rogers, Berger	Tsou, Whitman, CDFW
STAR Panel 3 July 24	Petrале sole	Full	1	2		Taylor, Gertseva	Tsou, Whitman, CDFW
	Canary rockfish	Full	1 (3)	1		Langseth, Oken	
Catch-only updates	Cowcod					Wallace	GMT
	Widow rockfish						
	Yelloweye rockfish						
Johnson: TBD (prob. black rockfish or copper rockfish)							

- Tentative species from June; July review for canary & petrale

Stock assessment and review options

- Table 1a-coastwide (new). Copper rockfish full off CA; LB-DMs North

Starting	Species	Assess. Type	Modeled Areas	Lead Agency Staff		Tentative NMFS assignments	State help
				Needed	Available		
Option A-Coastwide copper			9	8	9		
STAR Panel 1	June 5	Copper rockfish CA-only	Full	2	2	Wetzel, Monk	CDFW
		Shortspine thornyhead	LB-DM	1	Grad student class @ UW-SAFS, led by NWFSC staff	Hamel, Haltuch, Gertseva	
		Rex sole	LB-DM	1			
STAR Panel 2	July 10	Black rockfish	Full	3	3	Cope, Dick & Rogers, Berger	Tsou, Whitman, CDFW
STAR Panel 3	July 24	Petrable sole	Full	1	2	Taylor, Gertseva	Tsou, Whitman, CDFW
		Canary rockfish	Full	1 (3)	1	Langseth, Oken	
SSC-GFSC	August	OR Copper	LB-DM	1	1	Johnson (+ Wallace)	
		WA Copper	LB-DM	1			
Catch-only updates		Cowcod				Wallace	GMT
		Widow rockfish					
		Yelloweye rockfish					

- Tentative species from June; plus LB-DMs for OR & WA copper

- Table 2. Copper rockfish with 40°10' stock boundary: No WA update

Starting	Species	Assess. Type	Modeled Areas	Lead Agency Staff		Tentative NMFS assignments	State help
				Needed	Available		
Option B-1			9	9	9		
STAR Panel 1 June 5	Copper Rockfish CA: S. of 40° 10' N. Lat.	Full	2	2		Wetzel, Monk	CDFW
	Copper Rockfish N. of 40° 10' N. Lat. (N.CA + OR)	LB-DM	1	Grad student class @ UW-SAFS, led by NWFSC staff		Hamel, Haltuch, Gertseva	Whitman, Tsou, CDFW
	Shortspine thornyhead	LB-DM	1	Grad student class @ UW-SAFS, led by		Hamel, Haltuch, Gertseva	Tsou
STAR Panel 2 July 10	Black rockfish	Full	3	3		Cope, Dick & Rogers, Berger	Tsou, Whitman, CDFW
STAR Panel 3 July 24	Petrale sole	Full	1	2		Taylor, Gertseva	Tsou, Whitman, CDFW
	Canary rockfish	Full	1 (3)	1		Langseth, Oken	
Catch-only updates	Cowcod					Wallace	GMT
	Widow rockfish						
	Yelloweye rockfish						

- No LBDM for rex sole

- Table 3. Copper rockfish with 40°10' stock boundary: All N. updated

Starting	Species	Assess. Type	Modeled Areas	Lead Agency Staff		Tentative NMFS assignments	State help
				Needed	Available		
Option B-2			9	9	9		
STAR Panel 1 June 5	Copper Rockfish CA: S. of 40° 10' N. Lat.	Full	2	2		Wetzel, Monk	CDFW
	Copper Rockfish N. of 40° 10' N. Lat. (N.CA + OR)	LB-DM	1	Grad student class @ UW-SAFS, led by NWFSC staff		Hamel, Haltuch, Gertseva	Whitman, Tsou, CDFW
	Copper Rockfish WA	Update LB-DM	1	Grad student class @ UW-SAFS, led by NWFSC staff		Hamel, Haltuch, Gertseva	Tsou
STAR Panel 2 July 10	Black rockfish	Full	3	3		Cope, Dick & Rogers, Berger	Tsou, Whitman, CDFW
STAR Panel 3 July 24	Petrале sole	Full	1	2		Taylor, Gertseva	Tsou, Whitman, CDFW
	Canary rockfish	Full	1 (3)	1		Langseth, Oken	
SSC-GFSC August	Shortspine thornyhead	LB-DM	1	1		Johnson	
Catch-only updates	Cowcod Widow rockfish Yelloweye rockfish					Wallace	GMT

- No LBDM for rex sole
- SSC reviews LBDM for shortspine

• Table 4. Copper rockfish with 40°10' stock boundary: All N. updated

Starting	Species	Assess. Type	Modeled Areas	Lead Agency Staff		Tentative NMFS assignments	State help
				Needed	Available		
Option B-3			10	9	9		
STAR Panel 1 June 5	Canary rockfish	Full	1 (3)	1		Taylor, Oken	Tsou, Whitman, CDFW
	Petrale sole	Full	1	Grad student class @ UW-SAFS, led by NWFSC staff		Hamel, Haltuch, Gertseva	
STAR Panel 2 July 10	Copper rockfish CA: S. of 40° 10' N. Lat.	Full	2	2		Wetzel, Monk	CDFW
	N. of 40° 10' N. Lat.- OR/WA	LB-DM	1	1		Johnson	Whitman, Tsou, CDFW
STAR Panel 3 July 24	Black rockfish	Full	3	3		Cope, Dick & Rogers, Berger	Tsou, Whitman, CDFW
SSC-GFSC May 10-11	Copper rockfish (WA)	Update LB-DM	1	1		Johnson (+ Wallace)	
	Shortspine thornyhead	LB-DM	1	1		Langseth	
Catch-only updates	Cowcod Widow rockfish Yelloweye rockfish					Wallace	GMT

Gertseva: TBD (prob. black rockfish or copper rockfish)

- No LBDM for rex sole; SSC reviews LBDMs for shortspine, WA copper
- Canary-petrale shifted to early STAR Panel; reduced ageing

- Table 5. Coastwide copper rockfish stock boundary: All Full

Starting	Species		Modeled Areas	Lead Agency Staff		Tentative NMFS assignments	State help
				Needed	Available		
Option C							
			9	8	9		
STAR Panel 1 June 5	Canary rockfish	Full	1 (3)	1		Langseth, Oken	Tsou, Whitman, CDFW
	Petrале sole	Full	1	Grad student class @ UW-SAFS, led by NWFSC staff		Hamel, Haltuch, Gertseva	
STAR Panel 2 July 10	Copper rockfish CA	Full	2	2		Wetzel, Monk	CDFW
	OR + WA	Full	2	2		Taylor, Johnson	Tsou, Whitman
STAR Panel 3 July 24	Black rockfish	Full	3	3		Cope, Dick & Rogers, Berger	Tsou, Whitman, CDFW
Catch-only updates	Cowcod Widow rockfish Yelloweye rockfish					Wallace	GMT
Gertseva: TBD (prob. black rockfish or copper rockfish)							

- No LBDMs for shortspine or rex sole
- Canary-petrале shifted to early STAR Panel; reduced ageing

Questions?