

National Marine Fisheries Service

Quarter 3 Fiscal Year 2023

Appendix B. Completed stock assessments of Non-FSSI stocks for Fiscal Year 2023.
Information is the best available at the time of reporting, and is subject to change.
URLs link to Stock SMART assessment records.

Completed Assessments for Non-FSSI Stocks - FY 2023 Quarter 1 (October - December, 2022)

Science Center(s) ¹	Jurisdiction ²	Stock	Model Class ⁴	Planned Asmt Type ⁵	Notes
AFSC	NPFMC	Blue king crab - Saint Matthew Island	5	Operational Stock Assessment	
AFSC	NPFMC	Red king crab - Pribilof Islands	5	Operational Stock Assessment	
AFSC	NPFMC	Eastern Bering Sea Blackspotted and Rougheye Rockfish Complex	2	Operational Stock Assessment	
AFSC	NPFMC	Aleutian Islands Blackspotted and Rougheye Rockfish Complex	6	Operational Stock Assessment	
AFSC	NPFMC	Bering Sea / Aleutian Islands Other Rockfish Complex	2	Operational Stock Assessment	
AFSC	NPFMC	Bering Sea / Aleutian Islands Other Shark Complex	-	Research Stock Assessment	Remanded
AFSC	NPFMC	Bering Sea / Aleutian Islands Other Skates Complex	2	Stock Monitoring Update	Complex remainder species
AFSC	NPFMC	Giant octopus - Bering Sea / Aleutian Islands	1	Operational Stock Assessment	
AFSC	NPFMC	Shortraker rockfish - Bering Sea / Aleutian Islands	2	Operational Stock Assessment	
AFSC	NPFMC	Spiny dogfish - Bering Sea / Aleutian Islands	2	Operational Stock Assessment	
AFSC	NPFMC	Pacific sleeper shark - Bering Sea / Aleutian Islands	1	Research & Operational	First-time stock assessment of this complex member
AFSC	NPFMC	Dover sole - Gulf of Alaska	6	Stock Monitoring Update	GOA Deepwater Flatfish Complex indicator stock
AFSC	NPFMC	Spiny dogfish - Gulf of Alaska	2	Operational Stock Assessment	
AFSC	NPFMC	Gulf of Alaska Other Shark Complex	-	Research Stock Assessment	Remanded
AFSC	NPFMC	Walleye pollock - Southeast Gulf of Alaska	2	Operational Stock Assessment	
SEFSC	Non-Federal	Atlantic menhaden - Atlantic Coast	6	Stock Monitoring Update	
SEFSC	CFMC	Queen triggerfish - Puerto Rico	6	Research & Operational	

Completed Assessments for Non-FSSI Stocks - FY 2023 Quarter 2 (January - March, 2023)

Science Center(s) ¹	Jurisdiction ²	Stock	Model Class ⁴	Planned Asmt Type ⁵	Notes
NWFSC / SWFSC	PFMC	Chinook salmon - California Central Valley: Sacramento River Spring	2	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - California Central Valley: Sacramento River Winter	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Columbia River Basin: Lower River Hatchery Fall	4	Operational Stock Assessment	

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Completed Assessments for Non-FSSI Stocks - FY 2023 Quarter 2 (January - March, 2023)					
Science Center(s) ¹	Jurisdiction ²	Stock	Model Class ⁴	Planned Asmt Type ⁵	Notes
NWFSC / SWFSC	PFMC	Chinook salmon - Columbia River Basin: Lower River Hatchery Spring	2	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Columbia River Basin: Mid-River Bright Hatchery Fall	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Columbia River Basin: North Lewis River Fall	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Columbia River Basin: Snake River Fall	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Columbia River Basin: Snake River Spring/Summer	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Columbia River Basin: Spring Creek Hatchery Fall	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Columbia River Basin: Upper River Bright Fall	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Columbia River Basin: Upper River Spring	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Columbia River Basin: Upper River Summer	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Columbia River Basin: Upper Willamette Spring	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Northern California Coast: California Coastal	2	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Oregon Coast: Central and Northern Oregon	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Oregon Coast: Southern Oregon	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Puget Sound: Cedar River Summer/Fall	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Puget Sound: Eastern Strait of Juan de Fuca Summer/Fall	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Puget Sound: Green River Summer/Fall	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Puget Sound: Mid Hood Canal Summer/Fall	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Puget Sound: Nisqually River Summer/Fall	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Puget Sound: Nooksack Spring Early	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Puget Sound: Puyallup Summer/Fall	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Puget Sound: Skagit Spring	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Puget Sound: Skagit Summer/Fall	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Puget Sound: Skokomish Summer/Fall	2	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Puget Sound: Snohomish Summer/Fall	4	Operational Stock Assessment	

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Completed Assessments for Non-FSSI Stocks - FY 2023 Quarter 2 (January - March, 2023)					
Science Center(s) ¹	Jurisdiction ²	Stock	Model Class ⁴	Planned Asmt Type ⁵	Notes
NWFSC / SWFSC	PFMC	Chinook salmon - Puget Sound: Stillaguamish Summer/Fall	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Puget Sound: White River Spring	3	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Washington Coast: Grays Harbor Fall	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Washington Coast: Grays Harbor Spring	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Washington Coast: Hoh Fall	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Washington Coast: Hoh Spring/Summer	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Washington Coast: Hoko Summer/Fall	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Washington Coast: Queets Fall	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Washington Coast: Queets Spring/Summer	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Washington Coast: Quillayute Fall	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Washington Coast: Quillayute Spring/Summer	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Washington Coast: Quinalt Fall Hatchery	2	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Washington Coast: Willapa Bay Fall Hatchery	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Chinook salmon - Washington Coast: Willapa Bay Fall Natural	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Coho salmon - Oregon Production Index Area: Central California Coast	2	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Coho salmon - Oregon Production Index Area: Columbia River Early Hatchery	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Coho salmon - Oregon Production Index Area: Columbia River Late Hatchery	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Coho salmon - Oregon Production Index Area: Lower Columbia Natural	2	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Coho salmon - Oregon Production Index Area: Oregon Coast Hatchery	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Coho salmon - Oregon Production Index Area: Oregon Coast Natural	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Coho salmon - Oregon Production Index Area: Southern Oregon/Northern California Coast	2	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Coho salmon - Puget Sound: Hood Canal	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Coho salmon - Puget Sound: Skagit	3	Operational Stock Assessment	

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Completed Assessments for Non-FSSI Stocks - FY 2023 Quarter 2 (January - March, 2023)					
Science Center(s) ¹	Jurisdiction ²	Stock	Model Class ⁴	Planned Asmt Type ⁵	Notes
NWFSC / SWFSC	PFMC	Coho salmon - Puget Sound: Snohomish	3	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Coho salmon - Puget Sound: South Puget Sound Hatchery	3	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Coho salmon - Puget Sound: Stillaguamish	4	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Coho salmon - Washington Coast: Grays Harbor	3	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Coho salmon - Washington Coast: Hoh	3	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Coho salmon - Washington Coast: Queets	3	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Coho salmon - Washington Coast: Quillayute Fall	3	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Coho salmon - Washington Coast: Quillayute Summer Hatchery	3	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Coho salmon - Washington Coast: Quinault Hatchery	2	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Coho salmon - Washington Coast: Strait of Juan de Fuca	3	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Coho salmon - Washington Coast: Willapa Bay Hatchery	3	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Coho salmon - Washington Coast: Willapa Bay Natural	3	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Pacific hake - Pacific Coast	6	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Pink salmon - Puget Sound	2	Operational Stock Assessment	
Completed Assessments for Non-FSSI Stocks - FY 2023 Quarter 3 (April - June, 2023)					
Science Center(s) ¹	Jurisdiction ²	Stock	Model Class ⁴	Planned Asmt Type ⁵	Notes
AFSC	NPFMC	Weathervane scallop - Alaska	2	Operational Stock Assessment	
NEFSC	NEFMC	Red deepsea crab - Northwestern Atlantic	2	Operational Stock Assessment	
PIFSC	WPFMC	Golden eye jobfish and Crimson jobfish Complex - American Samoa	6	Operational Stock Assessment	Stock complex broken out of the bottomfish complex
PIFSC	WPFMC	Rusty jobfish - American Samoa	6	Operational Stock Assessment	Stock broken out of the bottomfish complex
PIFSC	WPFMC	Green jobfish - American Samoa	6	Operational Stock Assessment	Stock broken out of the bottomfish complex
PIFSC	WPFMC	Black jack - American Samoa	6	Operational Stock Assessment	Stock broken out of the bottomfish complex
PIFSC	WPFMC	Spotcheek emperor - American Samoa	6	Operational Stock Assessment	Stock broken out of the bottomfish complex
PIFSC	WPFMC	Bluestripe emporer - American Samoa	6	Operational Stock Assessment	Stock broken out of the bottomfish complex

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Completed Assessments for Non-FSSI Stocks - FY 2023 Quarter 3 (April - June, 2023)					
Science Center(s) ¹	Jurisdiction ²	Stock	Model Class ⁴	Planned Asmt Type ⁵	Notes
PIFSC	WPFMC	Oblique-banded snapper - American Samoa	6	Operational Stock Assessment	Stock broken out of the bottomfish complex
PIFSC	WPFMC	Yellow-edged lyretail grouper - American Samoa	6	Operational Stock Assessment	Stock broken out of the bottomfish complex
Footnotes					
<p>1 NOAA Fisheries Science Centers include Alaska Fisheries Science Center (AFSC), Northeast Fisheries Science Center (NEFSC), Northwest Fisheries Science Center (NWFSC), Pacific Islands Fisheries Science Center (PIFSC), Southeast Fisheries Science Center (SEFSC) and Southwest Fisheries Science Center (SWFSC). In some cases, assessments are conducted by multiple science centers (e.g. NW/SW and SW/PI).</p> <p>2 Jurisdictions include Caribbean Fishery Management Council (CFMC), Gulf of Mexico Fishery Management Council (GMFMC), Atlantic Highly Migratory Species Division (HMS), Mid-Atlantic Fishery Management Council (MAFMC), New England Fishery Management Council (NEFMC), North Pacific Fishery Management Council (NPFMC), Pacific Fishery Management Council (PFMC), South Atlantic Fishery Management Council (SAFMC) and Western Pacific Fishery Management Council (WPFMC).</p> <p>3 FSSI refers to federally managed stocks and stock complexes included on the Fish Stock Sustainability Index. Non-FSSI refers to federally managed stocks and stock complexes not included on the Fish Stock Sustainability Index. INT refers to international stocks.</p> <p>4 Assessment Model Category: Category of stock assessment model accepted for use in management, as described in the 2018 Next Generation Stock Assessment Improvement Plan document. 1 = Data-Limited (e.g. DBSRA, DCAC, Surplus Production MSY, Egg-Escapement, Mean Length Estimation) 2 = Index-Based (e.g. AIM, basic linear models and time series analyses) 3 = Aggregate Biomass Dynamics (e.g. Schaefer or Pella-Tomlinson Production Models, ASPIC, delay-difference models) 4 = Virtual Population Update (e.g. ADAPT, VPA-2BOX) 5 = Statistical Catch-at-Length (e.g. SCALE, SS, MultifanCL) 6 = Statistical Catch-at-Age (e.g. SS, ASAP, AMAK, BAM, MultifanCL, CASAL)</p> <p>5 The National Stock Assessment Program tracks and classifies its activities related to the provision of harvest recommendations based upon guidance established in the 2018 Next Generation Stock Assessment Improvement Plan document.</p> <p>Research Stock Assessment - Efforts that develop or revise a stock assessment data type or method that are reviewed through the regional assessment review process. These efforts do not produce management advice, though they are occasionally paired with operational stock assessments.</p> <p>Operational Stock Assessment - Analyses that utilize one or more of the categories of stock assessment models described in the "Model Class" field (Footnote 4). Within the range of Operational Stock Assessments will be first time applications of previously researched methods ("new" or "benchmark" assessments); applications with updated data streams and minor revisions to methods within the scope of previously researched themes; and applications that simply update the model with the most recent data.</p> <p>Stock Monitoring Update - Activities labeled "Stock Monitoring Analyses" generally include activities that provide stock-level advice to fishery managers between stock assessments. These analyses include the methods described in the "Model Class" field (Footnote 4), but only when they are updated using the most recent catch information to develop new catch advice. These are sometimes called partial updates. Because there are no changes in the methods or data series in stock monitoring updates, just updated catch data, the conduct and review of these analyses does not warrant intense scrutiny.</p> <p>* Changes in the assessment schedule are indicated by bold, red font.</p>					