



NOAA
FISHERIES

NMFS EBFM Road Map Update

CFMC EBFM Technical Advisory Panel

August 2, 2024

Tauna Rankin

Original NMFS EBFM Policy (2016) & Road Map (2018)

Department of Commerce - National Oceanic & Atmospheric Administration - National Marine Fisheries Service	
NATIONAL MARINE FISHERIES SERVICE POLICY 01-120	
Effective on: May 23, 2016	
To be reviewed on: October 2023	
Fisheries Management	
Ecosystem-Based Fisheries Management Policy	
NOTICE: This publication is available at: https://www.fisheries.noaa.gov/national/laws-and-policies/policy-directive-system	
Author name: Kelly Denit	Certified by: Alan Risenhoover
Office: Sustainable Fisheries	Office: Sustainable Fisheries
Type of Issuance: Renewal, September 2018	
SUMMARY OF REVISIONS: Renewed in September 2018. This initial directive was put into effect on May 23, 2016.	

Ecosystem-Based Fisheries Management Policy of the National Marine Fisheries Service National Oceanic and Atmospheric Administration

POLICY STATEMENT

NOAA's National Marine Fisheries Service (NOAA Fisheries) strongly supports implementation of Ecosystem-Based Fisheries Management (EBFM) to better inform and enable better decisions regarding trade-offs among and between fisheries (commercial, recreational, and subsistence), aquaculture, protected species, biodiversity, and habitats. Recognizing the interconnectedness of these ecosystem components will help maintain resilient and productive ecosystems (including the human communities on which they depend), even as they respond to climate, habitat, ecological, and other environmental changes.

PURPOSE

NOAA asserts that ecosystem-based management (EBM¹) will assist the agency in

¹ EBM is defined as "geographically specified, adaptive, takes account of ecosystem knowledge and uncertainties, considers multiple external influences, and strives to balance diverse societal objectives." NOAA 2004. New Priorities for the 21st Century- NOAA's Strategic Plan: Updated for FY 2005-FY 2010, 28 pp. This is understood to cover all ocean-use sectors, beyond just fishery-oriented interests.

Department of Commerce - National Oceanic & Atmospheric Administration - National Marine Fisheries Service	
NATIONAL MARINE FISHERIES SERVICE PROCEDURE 01-120-01	
Effective on: November 17, 2016	
To be reviewed on: November 2023	
Fisheries Management	
Ecosystem-Based Fisheries Management Policy, 01-120	
NOAA Fisheries Ecosystem-Based Fisheries Management Road Map	
NOTICE: This publication is available at: https://www.fisheries.noaa.gov/national/laws-and-policies/policy-directive-system	
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Office: Sustainable Fisheries	Office: Sustainable Fisheries
Type of Issuance: Renewal, November 2018	
SUMMARY OF REVISIONS: Renewed in November 2018. This initial directive was put into effect on April 13, 2017.	
Signed  Alan Risenhoover Director, Office of Sustainable Fisheries	Digitally signed by RISENHOVER.ALAN.D.1365879490 Date: 2018.11.21 11:13:26 -0500 Date

A special thank you to those who contributed to this document:

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Executive Summary

NOAA's National Marine Fisheries Service (NOAA Fisheries) has long recognized the importance of implementing ecosystem-based fisheries management (EBFM) in order to explicitly account for environmental changes and make trade-off decisions for actions that impact multiple species. These decisions would otherwise be made implicitly with strictly single-species management. The explicit treatment, transparent examination, and analytical exploration among the trade-offs across the many objectives in a given region are key outcomes resulting from the execution of EBFM.

NOAA Fisheries recently formalized its commitment to doing EBFM through the release of its EBFM Policy. The Policy defines EBFM, describes its benefits, discusses how it relates to

2016 EBFM
Policy:

6 Guiding
Principles

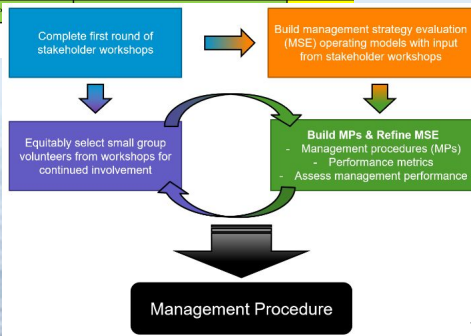
13 Core
Components

Road Map:
49 Action
Items

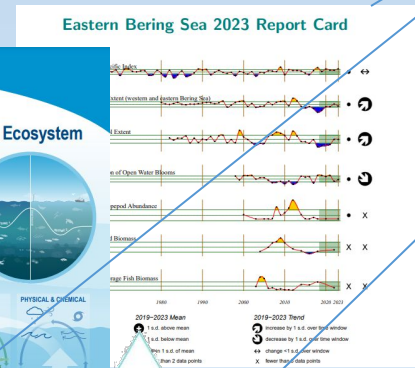


2016-2024

Sensitivity	Very High		Central California Coast Coho*** Sacramento River winter-run Chinook Central Valley spring-run Chinook Central Valley fall-run Chinook Upper Willamette River Chinook Snake River Steelhead	
	High		Southern Oregon/Northern California Coast Coho*** Mid-Columbia spring-run Chinook*** Upper Columbia River spring-run Chinook California Coastal Chinook Puget Sound Chinook Snake River Basin Steelhead Southern California Coast Steelhead Middle Columbia River Steelhead Upper Columbia River Steelhead Puget Sound Coho Puget Sound Steelhead Snake River fall-run Chinook Hood Canal summer-run Chinook Upper Willamette River Steelhead Lower Columbia River Coho Oregon Coast Coho	Snake River spring/summer-run Chinook
	Moderate		Puget Sound Chum Columbia River Chum	Central California Coast Steelhead South Central California Coast Steelhead Northern California Steelhead Central Valley Steelhead Lower Columbia River Steelhead Lower Columbia River Chinook Lake Orestle Sockeye
Low				

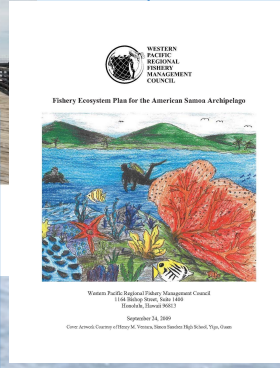
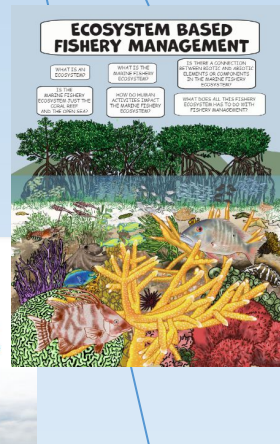


This figure depicts the dolphinfish MSE process. A first round of stakeholder workshops were conducted in 2022-2023 to develop conceptual management objectives, identify relevant uncertainties, and receive input on the type of management procedures to be explored. This feedback was used to build the MSE framework, including developing the operating model scenarios in which the management procedures will be tested. We also used this feedback to develop a small working group of stakeholders who will continue to be involved with and advise on the MSE moving forward. This small stakeholder group will be iteratively involved in developing the operating model scenarios and MSE, designing and refining the management procedures, identifying the performance metrics, and interpreting MP performance. Credit: NOAA Fisheries



Sixth National Meeting of the Scientific Coordination Subcommittee of the Council Coordination Subcommittee

The Use of Management Strategy Evaluation to Inform Management Decisions Made by the Regional Fishery Management Councils



NOAA FISHERIES CLIMATE SCIENCE STRATEGY OBJECTIVES



Regional Action Plans

Updated EBFM Road Map Writing Team

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2024 EBFM Policy:

6 Guidelines

18 Goals

Road Map:
37 Action
Items

The 6 EBFM Guidelines

Note the interconnected and interdependent nature of the guidelines



- 1 What are the goals and objectives?
Implement ecosystem-level planning
- 2 What is the science we need?
Advance Our Understanding of Ecosystem Processes
- 3 What are our challenges?
Prioritize Vulnerabilities and Risks to Ecosystems and their Components
- 4 What are our options?
Explore and address trade-offs within an Ecosystem
- 5 Let's do it!
Implement Ecosystem-considerations into Management
- 6 Is it working
Support Ecosystem resilience through tracking Management/Actions

Changes in the New Road Map

- Recognition of the progress made
- More direct connections between the science & management
- Greater emphasis on and connections with:
 - Climate Change
 - Habitat
 - Protected Resources



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Links

EBFM Policy

<https://www.fisheries.noaa.gov/s3/2024-02/Revised-EBFM-Policy-FINAL-2.12.24-508-signed-JC.pdf>

EBFM Road Map Update

<https://www.fisheries.noaa.gov/resource/document/ecosystem-based-fisheries-management-road-map-update>

CCC Presentation on Draft Road Map:

<https://www.fisheries.noaa.gov/s3/2024-07/CCC-EBFM-2024-Presentation-508.pdf>

Comment deadline is August 31, 2024

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