Agenda Item I.1.a Supplemental NWFSC PowerPoint (Electronic Only) November 2015

Ecosystem-Based Fisheries Management Policy Update

Dr. John Stein (NWFSC)
Dr. Cisco Werner (SWFSC)

On behalf of Dr. Jason Link (Senior Scientist for Ecosystem Management)
Heather Sagar (Senior Policy Advisor)

Pacific Fisheries Management Council: Garden Grove, November 15, 2015



NOAAFISHERIES

Headquarters

Take Aways

- NOAA Fisheries needs to, can and is committed to doing EBFM
- There are many benefits of doing EBFM
- NOAA Fisheries' aim is to provide a menu of analytical options to address
- Making EBFM operational remains a key challenge, but is one we are up for in partnership with you!

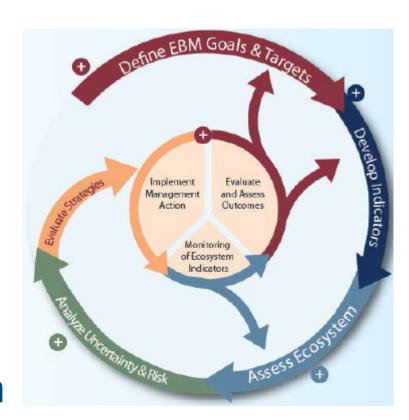
Policy will be open for informal comment through Dec 16, 2015

http://www.st.nmfs.noaa.gov/ecosystems/ebfm/creating-an-ebfm-management-policy http://www.pcouncil.org/wp-content/uploads/2015/10/I1a NWFSC Rpt1 Draft EBFM Policy Nov2015BB.pdf



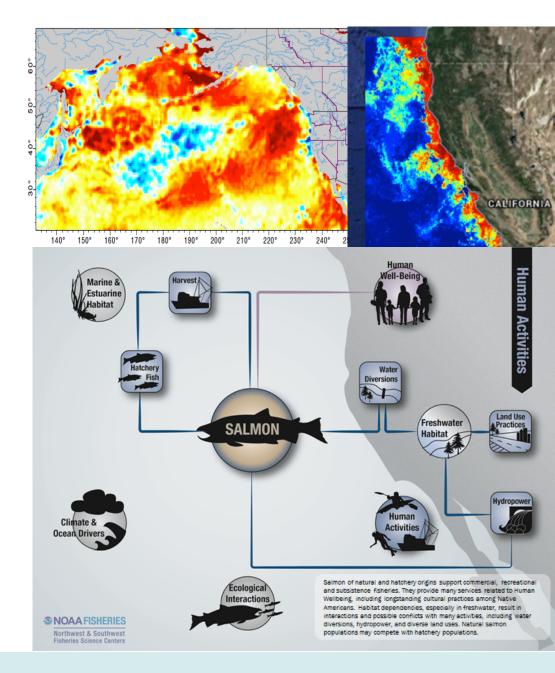
Evolving West Coast Science and Policy

- Maturing California Current Integrated Ecosystem Assessment (CC-IEA)
- 4th annual California Current Ecosystem status report to PFMC in March 2016
- Status report's indicators to undergo Council and public review with Fishery Ecosystem Plan initiative process

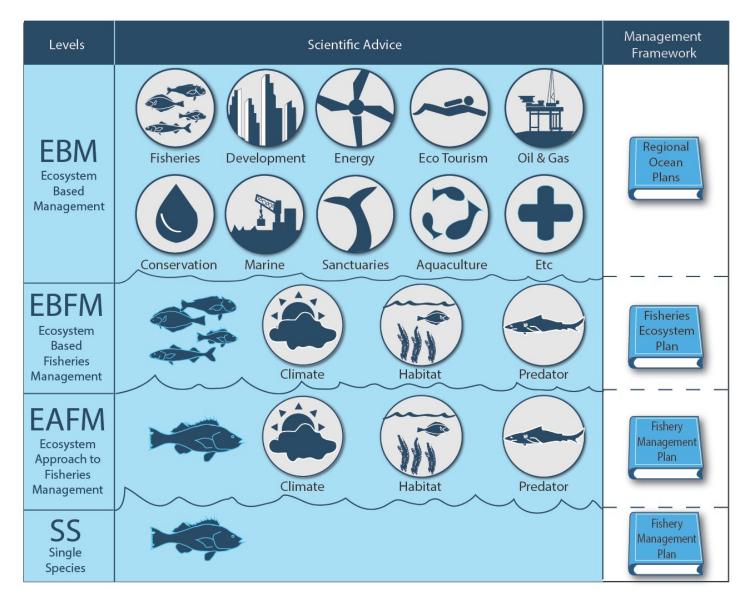


Evolving West Coast Science and Policy

- El Niño, warm conditions, HABs
- California drought, warming salmon streams, western wildfires
- Short- and long-term effects on fisheries harvest management







http://www.st.nmfs.noaa.gov/ecosystems/ebfm/index



EBFM Policy Components

- Policy Statement
- Background
- Purpose of and Need for Policy
- Definition of EBFM
- Context of EBFM
- Benefits
- Guiding Principles
- Legal Authorities and Mandates
- NOAA Fisheries Responsibilities







The NMFS Policy Directive Defines EBFM as:

A systematic approach to fisheries management in a geographically specified area that:

- ensures the resilience and sustainability of the ecosystem;
- recognizes the physical, biological, economic, and social interactions among the affected components of the ecosystem, including humans; and
- seeks to optimize benefits among a diverse set of societal goals.



EBFM Policy Statement

NOAA Fisheries strongly supports the implementation of Ecosystem-Based Fisheries Management (EBFM), to:

- better inform decisions and help achieve and optimize the benefits from marine fisheries,
- by evaluating trade-offs among and between fisheries (commercial, recreational, and subsistence), aquaculture, protected species, biodiversity, and habitats,
- while maintaining resilient and productive ecosystems.



EBFM Guiding Principles

Outcome

6. Maintain Resilient Ecosystems

What is our advice?

5. Incorporate ecosystem considerations into management advice

What are our options?

4. Explore and address trade-offs within an ecosystem

What are our priorities?

3. Prioritize vulnerabilities and risks of ecosystems and their components

What are our objectives?

2. Implement ecosystem-level planning

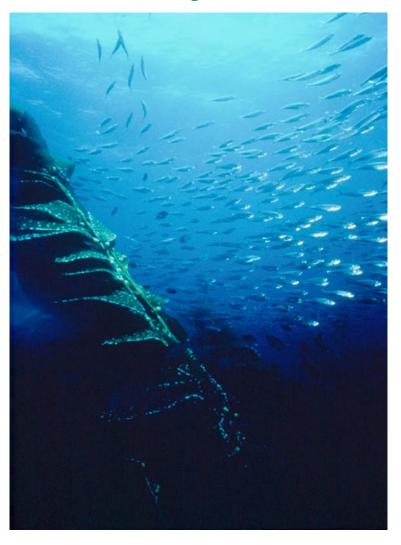
What is the foundational science we need?

1. Advance our understanding of ecosystem processes



Next Steps for EBFM Policy

- Will be open for informal comment through Dec 16, 2015
- Comments to Heather Sagar and Jason Link
- Developing associated EBFM Road Map to answer the "what's next" question
- Hope to finalize in early 2016





Ecosystem-related Efforts

Fisheries Ecosystem Plan Analysis

Science Advisory Panel EBFM Report

National Climate Science Strategy

NOAA Fisheries Policy on EBFM

Survey of EBFM in Fishery Management Plans

Lenfest EBFM Task Force

Stock Assessment Improvement Plan

Implementation Plan for EBFM Policy 'Roadmap'

Science Program Review, Ecosystem Science



