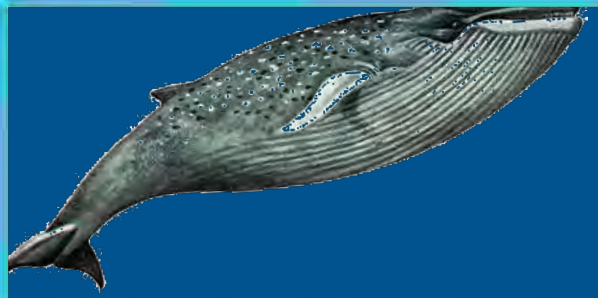
National Marine Sanctuaries
National Oceanic and Atmospheric Administration

Monterey Bay National Marine Sanctuary

Ecosystem-based Management Initiative Update

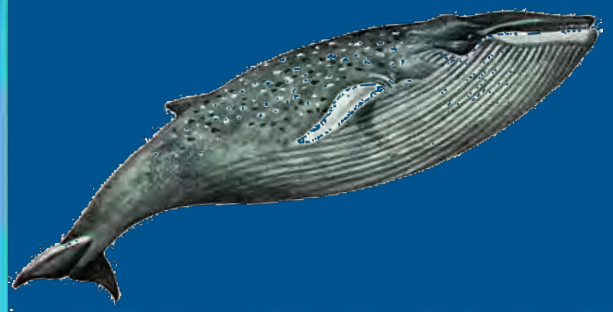
Sanctuary Advisory Council

October 20, 2011



Outline

1. Seascape changes leading to the EBMI
2. Progress on four EBMI goals
3. Engagement with the Fisheries Council
4. Research coordination with the Council and NOAA Fisheries
5. Next steps



Background

2000

- Joint Management Plan Review
- MPA planning process
- Agency and stakeholder feedback
- Changes in management seascape

2009 ***Transition to EBM Initiative***

EBM Initiative Goals

1) Maintain/restore marine ecosystem health and function;

2) Ensure protection of unique and rare features;

3) Facilitate research to differentiate between natural variation versus human impacts;

4) Facilitate ecologically and economically sustainable uses, including fisheries.

Changes in MBNMS over past 10 years

2000

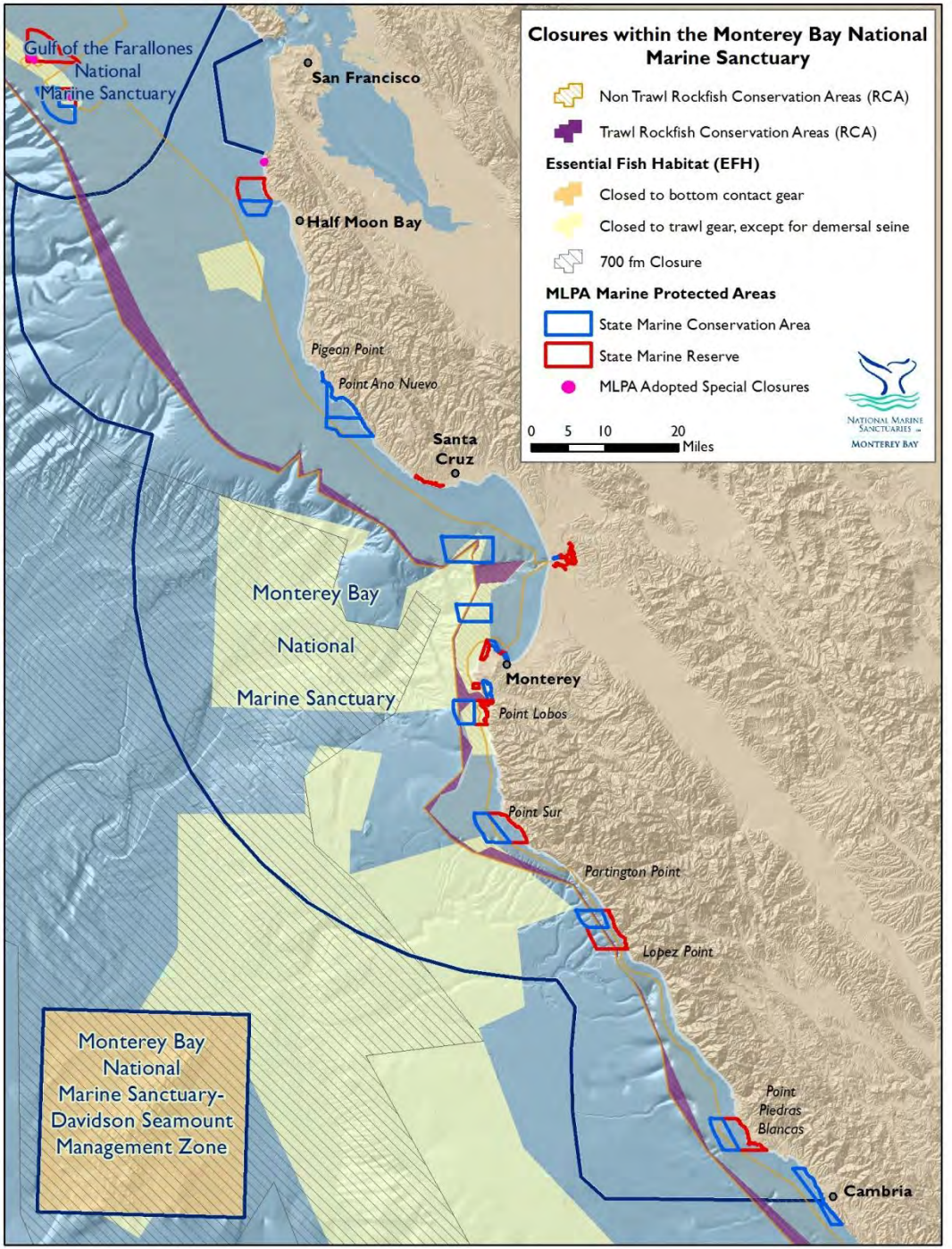
2003

2006

2007

2009

now

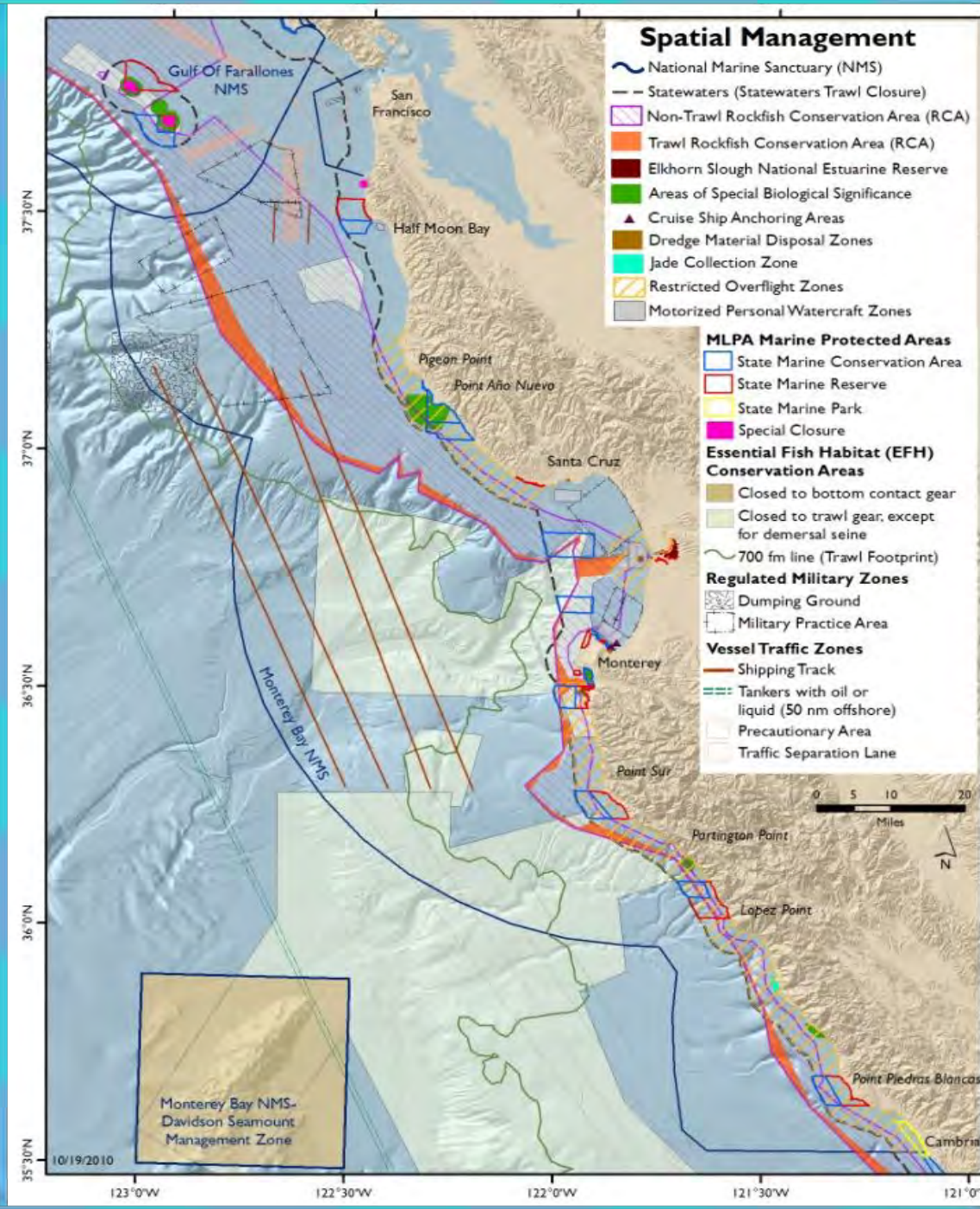


MBNMS *Today*

- More than 25 agencies & authorities:

  Shipping lanes
  Essential Fish Habitat
  Dredge Disposal areas
  Military zones
  Areas of Biol Significance

- Emerging demands
- Global threats



Examples of external processes that influence the EBM Initiative

PFMC:	**Essential Fish Habitat Review**
	Fisheries Ecosystem Plan
CDFG – OPC:	**Marine Life Protection Act Review**
SWRCB:	**Areas of Special Biological Significance**
USCG:	**Port Access Route Study**

Basic Schedule

Information gathering

Propose & implement strategies with partners

Monitor, adapt, assess

2011 | 2012 | 2013 | 2014 | 2015

National Marine Sanctuaries
Monterey Bay

National Oceanic and Atmospheric Administration
NOAA
U.S. Department of Commerce

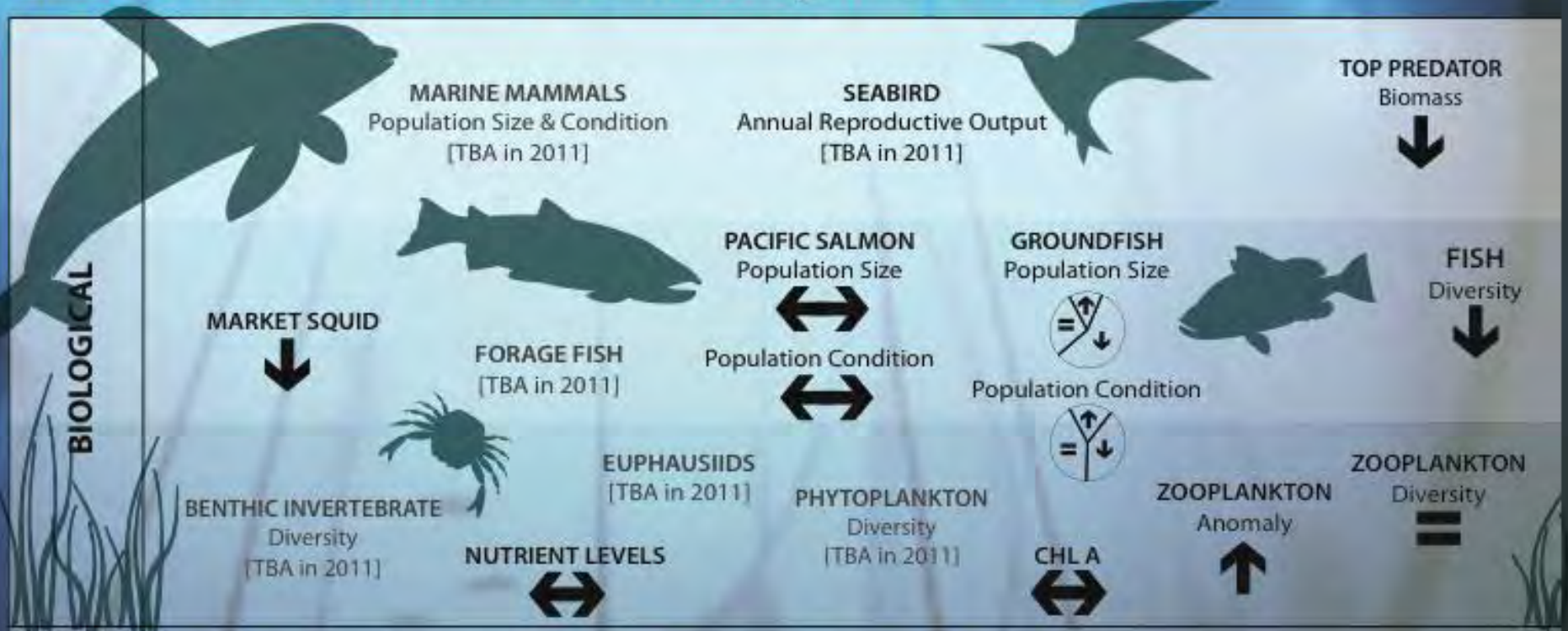
Current Progress on Four EBMI Goals

Goal 1. Maintain and restore ecosystem health

Integrated Ecosystem Assessment

- Coordination with NMFS Science Centers
- Planning for input on ecosystem services, indicators, thresholds

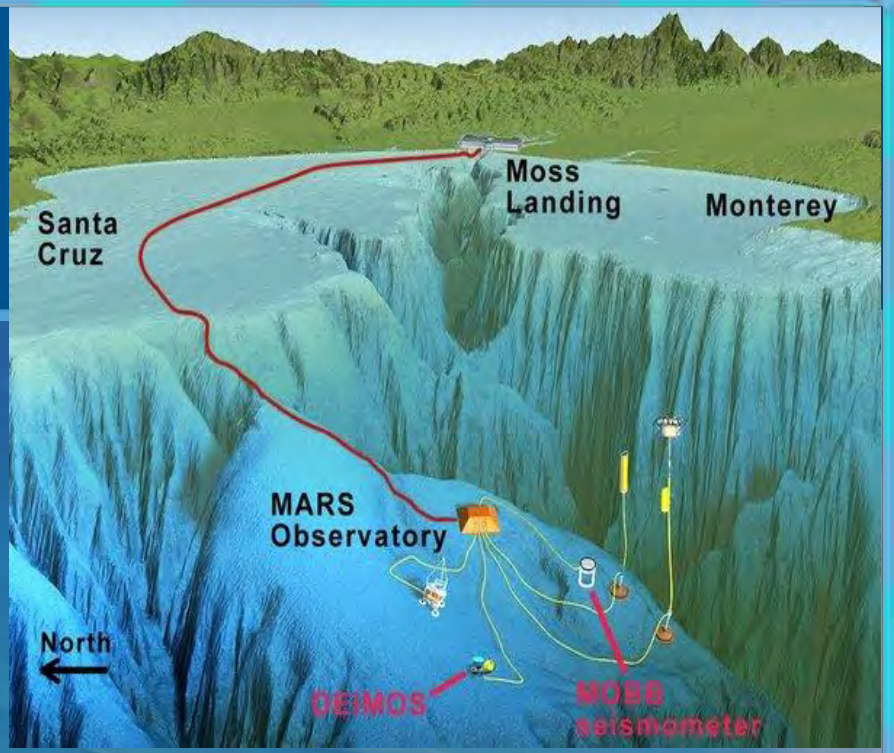
Status of the California Current Ecosystem at a Glance



Goal 2. Protect unique and/or rare features

1. Expert workshop May 2011
2. Workshop Summary in preparation
3. Follow up with expert work groups
4. “Rare” is feature- and context-specific
5. Features should be evaluated in terms of contribution to ecosystem health
6. Research needed link URF to ecosystem health

Goal 3. Facilitate research



Expert workshop October 2010

Proceedings published in National Marine Sanctuary Conservation Series

Better spatial management would facilitate research.

Regulations and permitting limit marine science.

Areas needed for both applied & basic science.

Long-term cooperative research sites (e.g., sentinel sites) needed.

Goal 4. Facilitate sustainable uses
Socio-economic profile

Contract work underway to assess value of human uses around Monterey Bay

Goal 4. Facilitate sustainable uses

Participation in Local Catch Monterey

HOME | Why Should I Join? | How Does the CSF Work? | Sustainability | For Fishermen | NEWS | SIGN UP / Contact Us

LOCAL CATCH MONTEREY

Fresh, Healthy, Local Seafood

HOME

Comments Off

24 March 2011

Local Catch Monterey is a CSF (Community Supported Fishery).

We offer CSA-style weekly shares of fresh local fish to our members.

Goal 4. Facilitate sustainable uses
Participation in CA Halibut Research Design

- Evaluate the potential socio-economic and marine ecosystem impacts of trawling and hook-line based fishing for halibut in Monterey Bay
- Seeking funding for study


Chronicle / Craig Lee

Research Coordination with NMFS and PFMC

MBNMS Letter to Pacific Marine Fisheries Council

MBNMS Presentation to PFMC in San Mateo

PFMC Letter to MBNMS:

- Commonalities with Fishery Ecosystem Plan
- Accepts invitation to participate in expert groups
- Offers to lead on fisheries and fishing regulations
- Shared research as programs develop
- Importance of involving State and tribes

Research Coordination with NMFS and PFMC

Ecosystem-based management (MBNMS) and

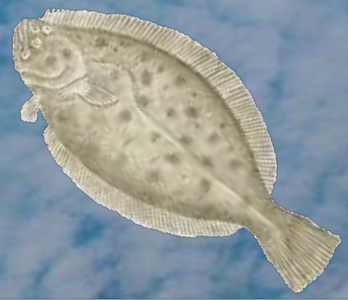
Ecosystem-based fisheries management (NMFS)

- Specifying and aligning research questions
- Cooperating on data synthesis
- Ecological indicators
- Robust Integrated Ecosystem Assessment (IEA)

Focal research objectives for the EBM Initiative

- Long-term cooperative research sites (sentinel sites)
- Priority science questions which cannot be addressed given current spatial management
- Research to evaluate management options





Next Steps

- Reply to PFMC with research questions and priorities
- Finalize the URF Workshop Summary
- Gather and synthesize data for EFH review
- Plan Monterey Bay IEA “scoping”: stakeholder input
- Identify and evaluate sentinel sites
- Document EBM Initiative accomplishments