Enhanced Ecosystem-Based Management Initiative

Sanctuary Advisory Council Meeting
August 19, 2010
Monterey Bay National Marine Sanctuary
Enhanced Ecosystem Based Management Initiative

Implementing ecosystem-based management in MBNMS

• Science based
• Public input & stakeholder involvement
• Collaborative, interagency
• Transparent management
Goals

1. Protect ecosystem health
2. Protect unique and rare areas
3. Establish research areas
4. Promote sustainable uses
Consistent with EBM Initiative
National Executive Order
Comprehensive national policy
Ecosystem Based Management
Robust public engagement
Comprehensive, integrated regionally based approach to planning & managing uses (MSP)
Based on best science
Coordinated management
Basic steps to achieve EBM goals

- Step 1: Information gathering and analyses
- Step 2: Propose and implement strategies/actions
- Step 3: Monitor, assess, and adapt strategies
## Step 1: Information gathering

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Step 1. Information gathering

Methods

- Integrated Ecosystem Assessment
- Workshops
- Stakeholder input
- Interagency Consultations
- Information synthesis
Step 1: Information Gathering
Integrated Ecosystem Assessment
MBNMS

Steps of IEA

- Interagency planning
- Indicator development
- Risk analysis
- Assess ecosystem status
- Evaluate potential management actions

Monitoring of Ecosystem
Step 1: Information Gathering
Integrated Ecosystem Assessment
MBNMS

1. Status report of ecosystem health
2. Modeling different management scenarios to test model
3. Increased scientific underpinning for Ecosystem based management
Step 1: Information Gathering
Research Areas workshop
MBNMS

**Goal:** To identify guidelines and criteria for research areas to address critical research questions related to management needs in MBNMS

**Objectives:**
1) Define types of areas needed
2) Review existing zoning and current activities
3) Identify management questions that require research areas
4) Discuss how existing zones can fulfill research needs
5) Conduct compatibility analyses of proposed activities
Step 1. Information gathering Research Areas workshop

- October 26-27\textsuperscript{th}, National Marine Fisheries Service Santa Cruz Lab
- **Participants:** Expert scientists with experience in MBNMS. Collaborative partners (e.g. fishermen). EBM SubCommittee.
- Open to the public
- Solicited input from EBM Subcommittee for attendees. Please give me your additional comments by August 31\textsuperscript{st}
  
  [Rikki.dunsmore@noaa.gov](mailto:Rikki.dunsmore@noaa.gov)
EBM Goals
- Unique / Rare
- Ecosystem Health
- Research Areas
- Sustainable Uses

Strategies
- Regulatory & non-regulatory strategies or proposed actions

Partners
- NOAA Fisheries
- CDFG
- Stakeholders
- NGOs

Schedule
2011-2013 >
Step 2: Propose and implement strategies
Coordinate with other processes

Assess Ecosystem Health
Research areas
Unique/Rare
Sustainable use (e.g. ITQ, wave energy)

now
2010
2011
2012
2013

MLPA
EFH Review
Ecosystem FMP

EXTERNAL
Step 2. Propose and implement strategies

Approximate timeline:

- Information Gathering
- Criteria development
- Proposed actions & strategies
- Sustainable use pilot projects
- Stakeholder input
- Marine Spatial plan development
- Review & Implement

Timeline:

- Now
- 2011
- 2012
- 2013
- 2014
Overview

**EBM Goals**
- Unique /Rare
- Ecosystem Health
- Research Areas
- Sustainable Uses

**Steps**
- **Step 1:** Information gathering and analyses
- **Step 2:** Propose and implement strategies
- **Step 3:** Monitor assess adapt

**Partners**
- NOAA Fisheries
- CDFG
- Stakeholders
- NGOs

**Schedule**
2010 ~ 2013 >
Thank you.....

Enhanced Ecosystem Health