



MOVING TOWARDS ECOSYSTEM-BASED MANAGEMENT:

Navigating Change within the Hawaiian Islands Humpback Whale National Marine Sanctuary

Monday, July 14, 2014



OVERVIEW *of* WORKSHOP

- 1:00-1:30** Presentation on Sanctuary and New Proposed Management Plan
- 1:35-2:10** Breakout Session A
- 2:15-3:00** Breakout Session B
- 3:00-3:20** Breakout Groups Report Back
- 3:20-3:30** Next Steps and Timelines

Hawaiian Islands Humpback Whale National Marine Sanctuary

Designated by
Congress in 1992



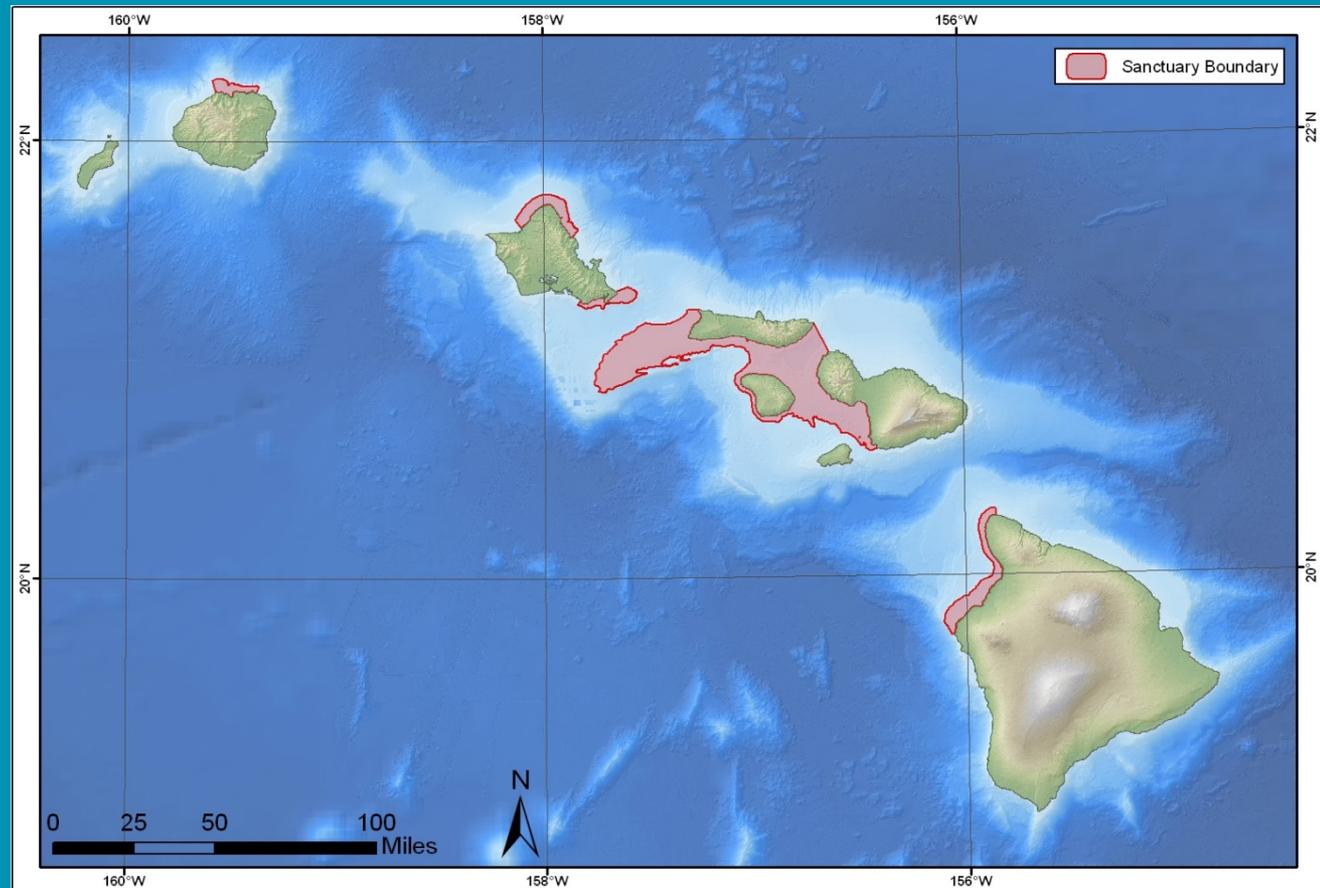
Co-managed through
Federal/State
partnership
(Compact Agreement)



Management authority
extends out to 100
fathoms (600 feet)



Manage 1,400 sq. nm
around the populated
Hawaiian Islands



What is Management Plan Review (MPR)?



- NMSA requires periodic review and evaluation of management plan implementation and goals.
- Site-specific planning and management document that describes the objectives, policies and activities for a sanctuary, and guides management actions.
- Evaluates gaps in existing marine conservation efforts in Hawai'i, and identifies potential roles for the sanctuary in future management.



Management Plan Review



Public Scoping + Sanctuary Advisory Council



In **2010** the Sanctuary held **10** public scoping meetings and received over **12,000** submissions.

In **2012** the Sanctuary Advisory Council submitted **9** Working Group Reports with **157** recommended actions for the Sanctuary Management Plan. A total of **153** subject matter experts participated in **64** meetings contributing over **2000** volunteers hours.



Hawaiian Islands Humpback Whale National Marine Sanctuary in Transition



The sanctuary originally designated to protect humpback whales and their associated habitat through education, research, and resource conservation



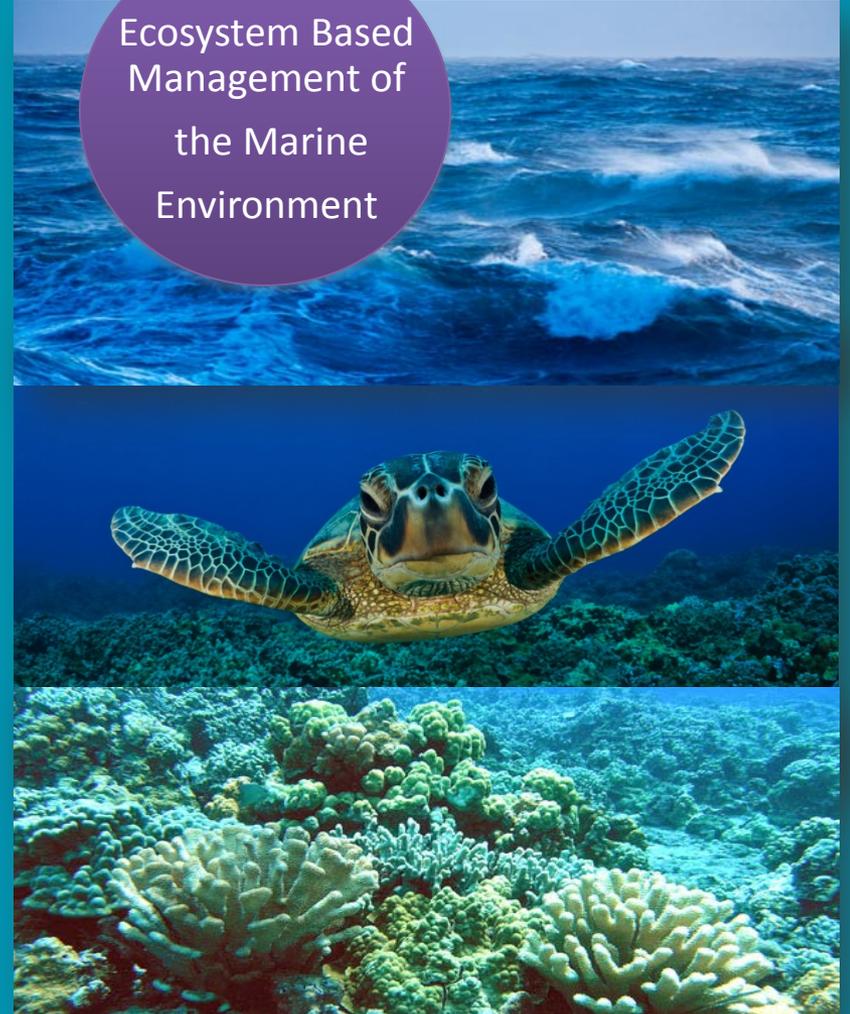
Transitioning Towards a New Management Framework

Single Species Management of Humpback Whales

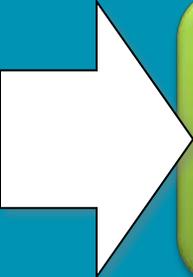


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Ecosystem Based Management of the Marine Environment



Management Plan Review

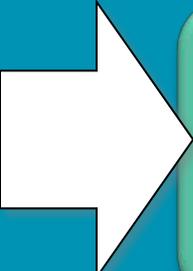


Boundaries reviewed & revised for
relevance in EBM context

Management Plan Review



Boundaries reviewed & revised for relevance in EBM context



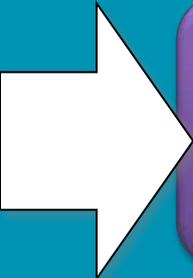
Regulations reviewed & revised for relevance in EBM context

Management Plan Review



Boundaries reviewed & revised for relevance in EBM context

Regulations reviewed & revised for relevance in EBM context



Management Plan revised & expanded to include new focus & partnerships

Management Plan



Management Plan Contains 10 Action Plans

1. Understanding
& Managing
Ecological
Resources

2. Resilience to
Climate Change

3. Sustainable
Use

5. Ocean
Literacy

4. Perpetuating
Cultural &
Maritime
Heritage

Management Plan



Management Plan
Contains 10 Action
Plans

6. Water
Quality
Protection

7. Ecosystem
Benefits &
Values

8. Community
Partnerships

10. Sanctuary
Focus Areas

9.
Compliance &
Enforcement

Management Plan



1. Understanding and Managing Ecological Resources



Identify and address threats to species of concern

Identify and address threats to habitats of concern

Continue protection for humpback whales

Management Plan



2.

Resilience
to Climate
Change

Evaluate and plan for climate threats to natural and cultural resources

Implement “Climate Smart Sanctuaries” model

Promote climate change understanding and preparedness through outreach messaging



Management Plan



3. Sustainable Use

Work directly with ocean-based businesses and tour operators to increase awareness about marine resources and incorporate Best Management Practices

Explore opportunities to develop a "Sanctuary Smart" hotel initiative

Develop customized trainings for ocean-based businesses to encourage voluntary compliance with sanctuary regulations



Management Plan



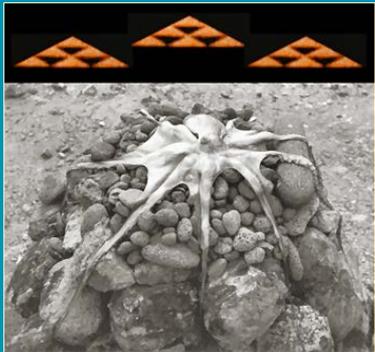
4. Perpetuating Cultural & Maritime Heritage

Incorporate traditional Hawaiian cultural perspectives into sanctuary management to more effectively protect biocultural resources

Facilitate communication and understanding of Hawaiian cultural heritage including voyaging, surfing and ahupua'a management

Develop a maritime heritage resource inventory to inform the selection of priority management areas.

Develop forums for educating students, ocean users and resource managers about maritime heritage resources and regulations.



Management Plan



5. Ocean Literacy

Retool key messaging of education and outreach tools to focus on ecosystem-based management approach context

Provide formal and informal education opportunities for students, teachers and interns that focus on ecosystem-based management

Develop communication plan that employs innovative media tools and approaches to reach new audiences

Expand Ocean Awareness Training (OAT) to new audiences and geographies



Management Plan



6. Water Quality Protection

Engage technical experts in developing WQ monitoring in key sites in sanctuary

Prioritize sanctuary areas for developing water quality management response actions

Support community-based restoration to address watershed impacts (e.g., fish ponds)

Collaborate to develop culturally and scientifically-based WQ outreach materials



Management Plan



7.

Ecosystem Benefits & Values

Estimate the value of ecosystem services and develop a conceptual model of what it looks like in the sanctuary to better inform management decision making

Facilitate information exchanges between marine & social scientists, managers, economists & Native Hawaiians to foster an understanding and practical application of ecosystem valuation processes

Introduce valuation assessments, including indigenous sciences and traditional Hawaiian use and non-use valuation, to education activities to demonstrate the importance of an intact Hawaiian ecosystem



Management Plan



8.

Community Partnerships

Support programs and initiatives to meet community needs, enhance resiliency, & build replicable models of community based ecosystem-based management



Identify and coordinate new and innovative opportunities to engage, train and recognize volunteers for their important role in supporting management of the sanctuary



Continue to facilitate engagement of the Sanctuary Advisory Council in avenues for providing advice to the sanctuary

Management Plan



9. Compliance & Enforcement

Collaborate with *the Law Enforcement Task Force* by offering training opportunities, contributing to protocols, and entering into interagency agreements

Enhance voluntary compliance by developing BMPs, conducting trainings and developing outreach materials targeting ocean users

Support the development and implementation of community-based marine management programs to strengthen voluntary compliance



Management Plan



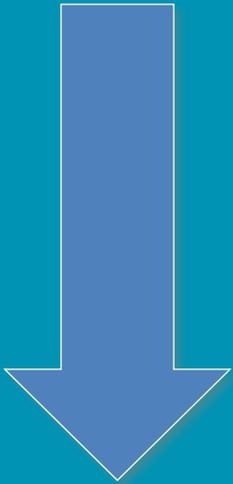
10.
**Sanctuary
Focus Areas**

Ni'ihau Action Plan

Pila'a Action Plan

Ma'alaea Action Plan

Maunaloa Bay Action Plan



Sanctuary Focus Areas



Sanctuary Focus Areas: Discrete areas within the sanctuary with specific *place-based management actions*



Ni'ihau



Develop water quality monitoring plan to assess change over time

Develop place-based learning opportunities to enhance understanding about Ni'ihau

Work with local residents to assess and manage marine resources around Ni'ihau & Lehua by using traditional and science-based approaches



Pila'a



Replicable
model for
restoration and
maintenance of
reef, lagoon &
estuarine
ecosystems



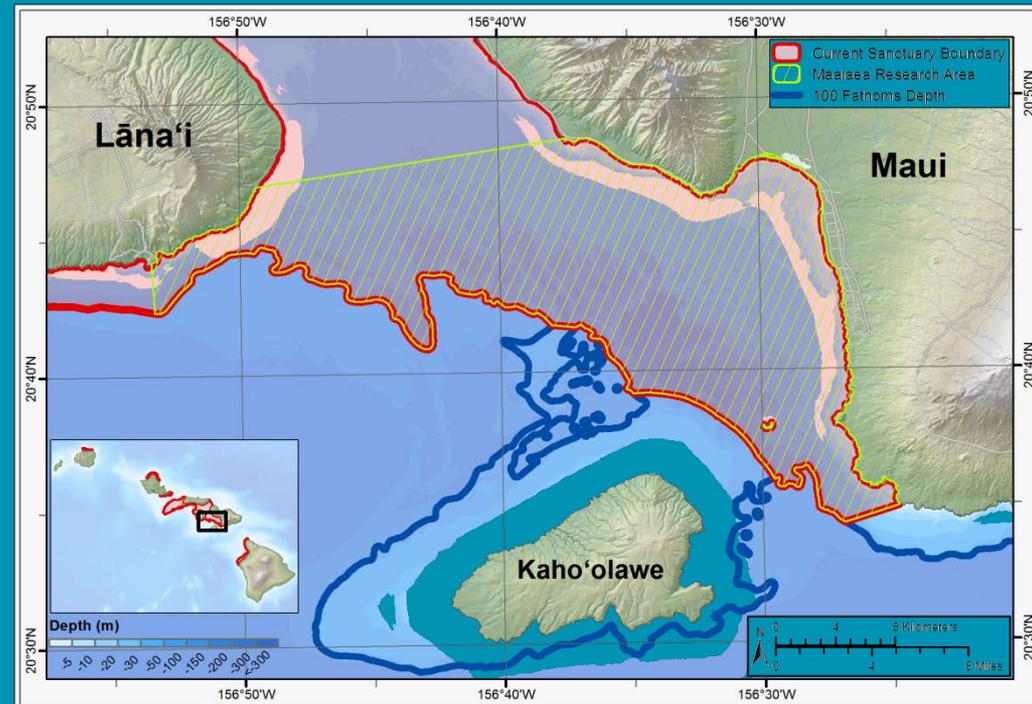
Learning opportunity for integrating Native Hawaiian
traditional practices with modern management

Mā'alaea



Serve as test site for applying targeted management actions and address discharge impacts

Establish water quality research area



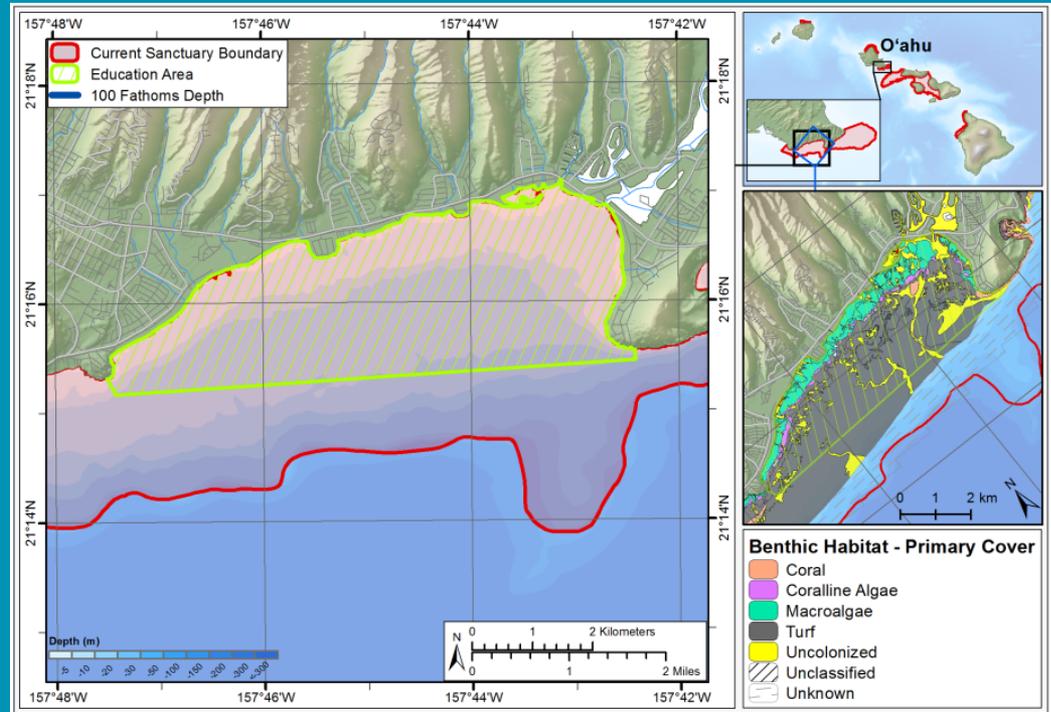
Maunalua



Develop initiatives to support restoration and native marine life enhancement programs



Support a community-based long term strategic planning



Breakout Sessions



Two 40 minute sessions

Discussion Points:

- ✓ How might these activities align with and/or complement existing programs, projects or initiatives in Hawaii?
- ✓ Do you see potential partnerships for implementing these programs?
- ✓ What components might be of most interest to you or your affiliation?
- ✓ What components do you think might be most relevant to local communities?



Thank you for your participation.

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