



THE HAWAI'I OCEAN RESOURCES MANAGEMENT PLAN

----- 2020 -----

COLLABORATIVE COASTAL ZONE MANAGEMENT FROM MAUKA TO MAKAI

An Overview of the Hawai'i Ocean Resources Management Plan

Sarah Chang
Senior Project Analyst,
Hawaii Coastal Zone Management Program

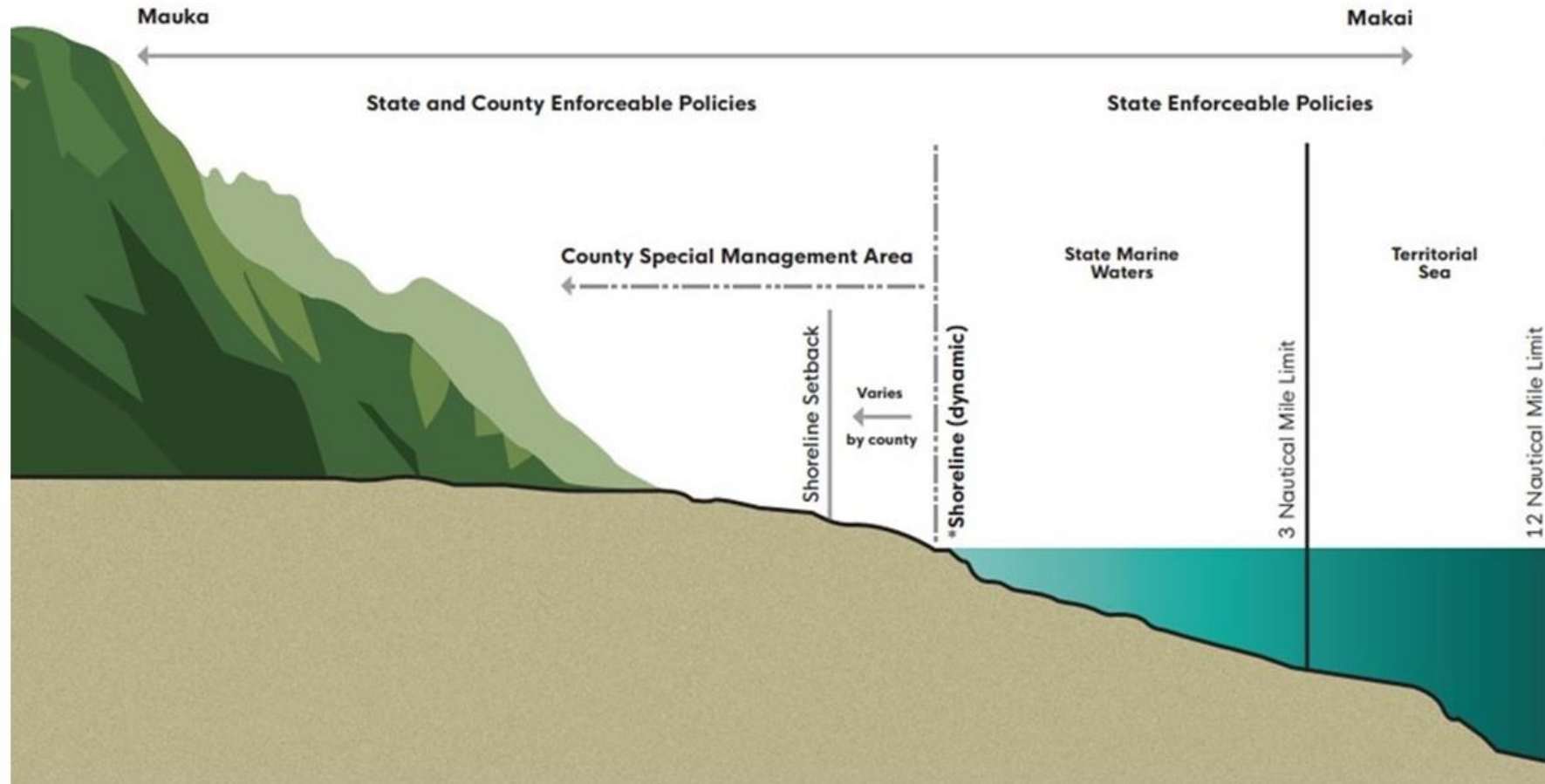


OFFICE OF PLANNING &
SUSTAINABLE DEVELOPMENT
STATE OF HAWAI'I

hawai'i ocean resources management plan

Collaborative Network Program

Hawai'i Coastal Zone Management



Purpose of the ORMP



Vision:

A healthy island ecosystem that fosters social and economic sustainability through the preservation and restoration of Hawai'i's unique cultural and environmental values.

Mission:

To support collaboration in order to address the State's resource management issues and encourage holistic stewardship from land to sea.

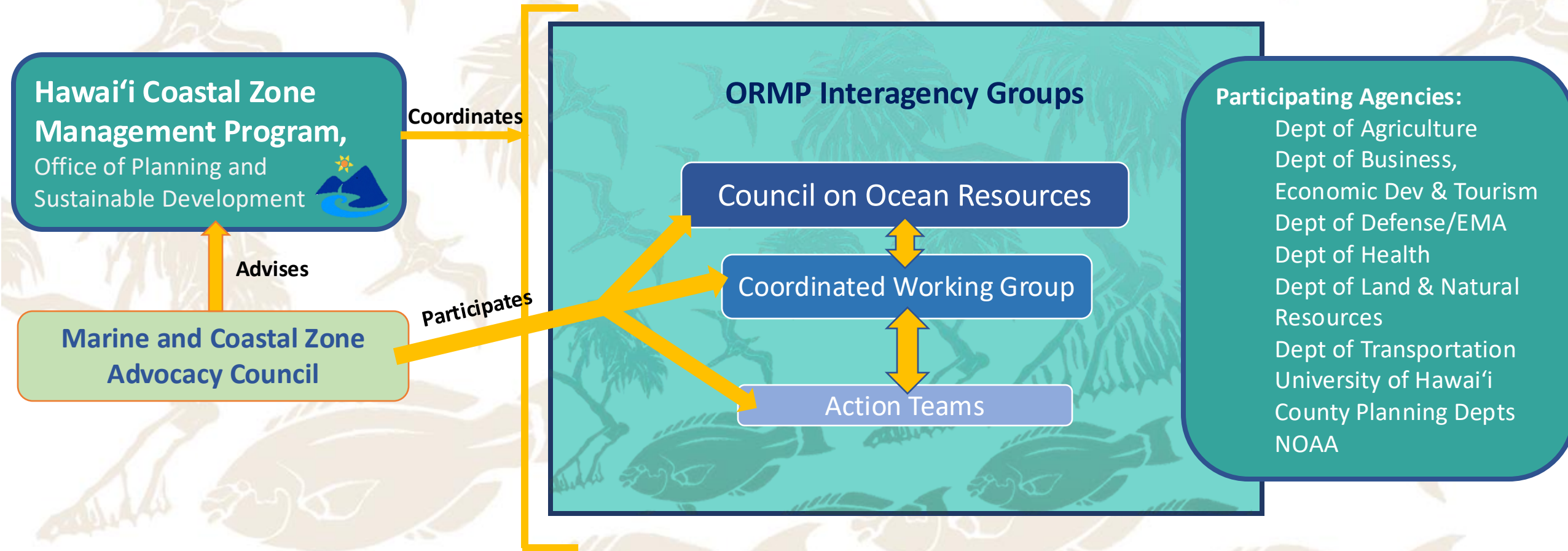


Purpose:

To serve as a guiding document for agencies with responsibilities relating to marine and coastal zone management, and as a convening mechanism to improve upon the Hawai'i Coastal Zone Management Network of agencies to carry out State policies and objectives related to coastal resource protection.

- HRS Ch. 205A-62, Part IV: Marine Affairs
- Statewide plan that seeks to resolve coastal problems and issues that are not adequately addressed by existing laws and rules
- Requires collaborative implementation through the CZM Network

ORMP Governance Structure



Community Engagement



During ORMP Major Updates:

- Outreach: Newspaper Ads, The Conversation, Community Calendar, Community Boards; Facebook Posts
- 8 Statewide Public Information Sharing Sessions
- Online Survey

During Implementation Phases:

- Marine and Coastal Zone Advocacy Council
- Project-specific Action Teams

HAWAI'I OCEAN RESOURCES MANAGEMENT PLAN
INFORMATION SHARING SESSIONS

Here is what we heard!



2020 ORMP FOCUS AREAS



IS THERE A MANAGEMENT GAP?

No agency or organization is working on the issue, or they cannot address it due to lack of funds or capacity.



IS IT A STATEWIDE ISSUE?

The topic area impacts multiple communities on multiple islands, and a potential solution would benefit people throughout the state.



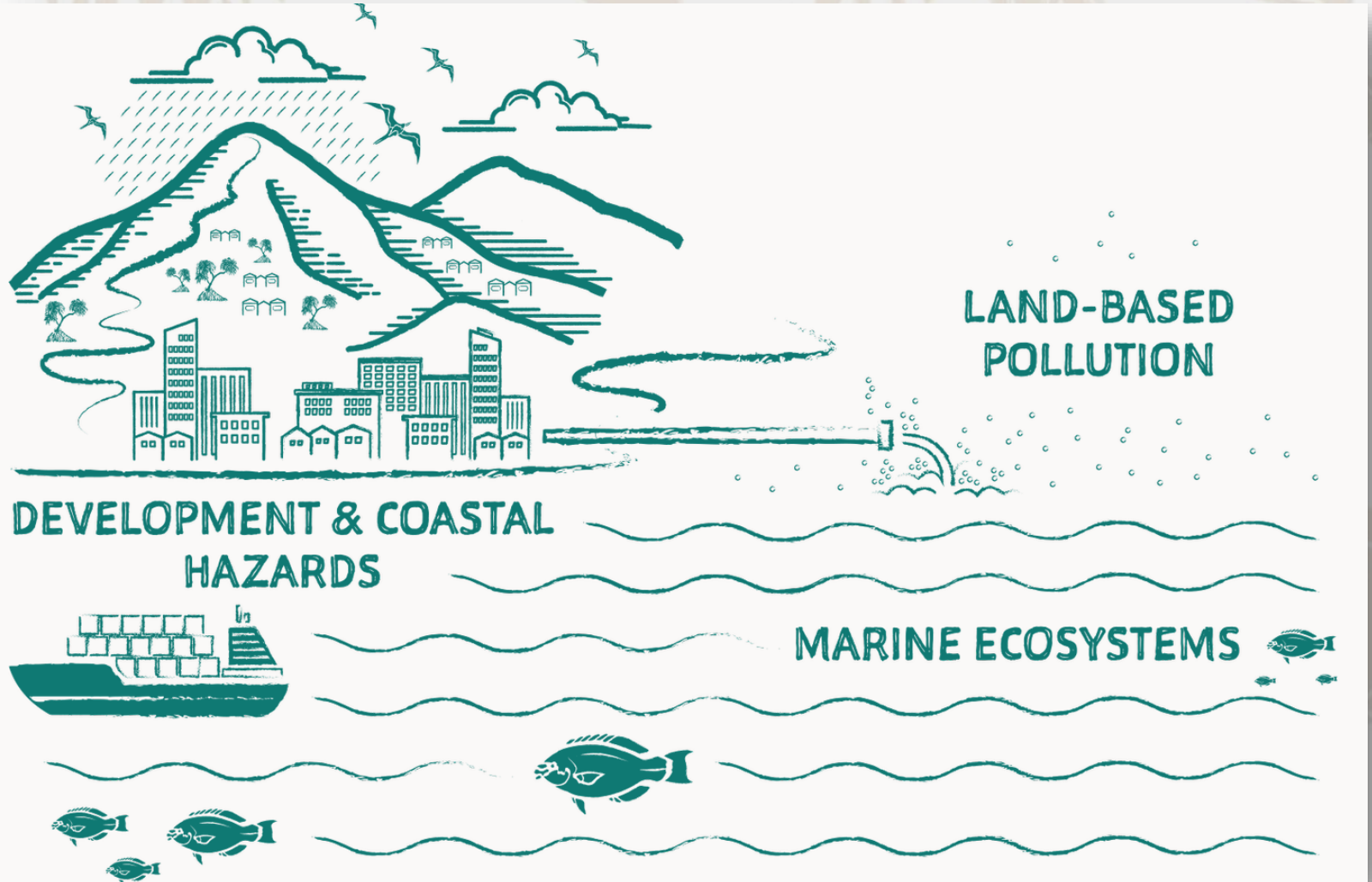
IS IT A MULTI-AGENCY CONCERN OR REQUIRE COLLABORATION ACROSS AGENCIES?

The topic area requires collaboration between more than two agencies.



IS THE ISSUE DISTINCT FROM OTHER EFFORTS?

This issue is not duplicative of another agency's efforts, and is complementary to agency and State initiatives.



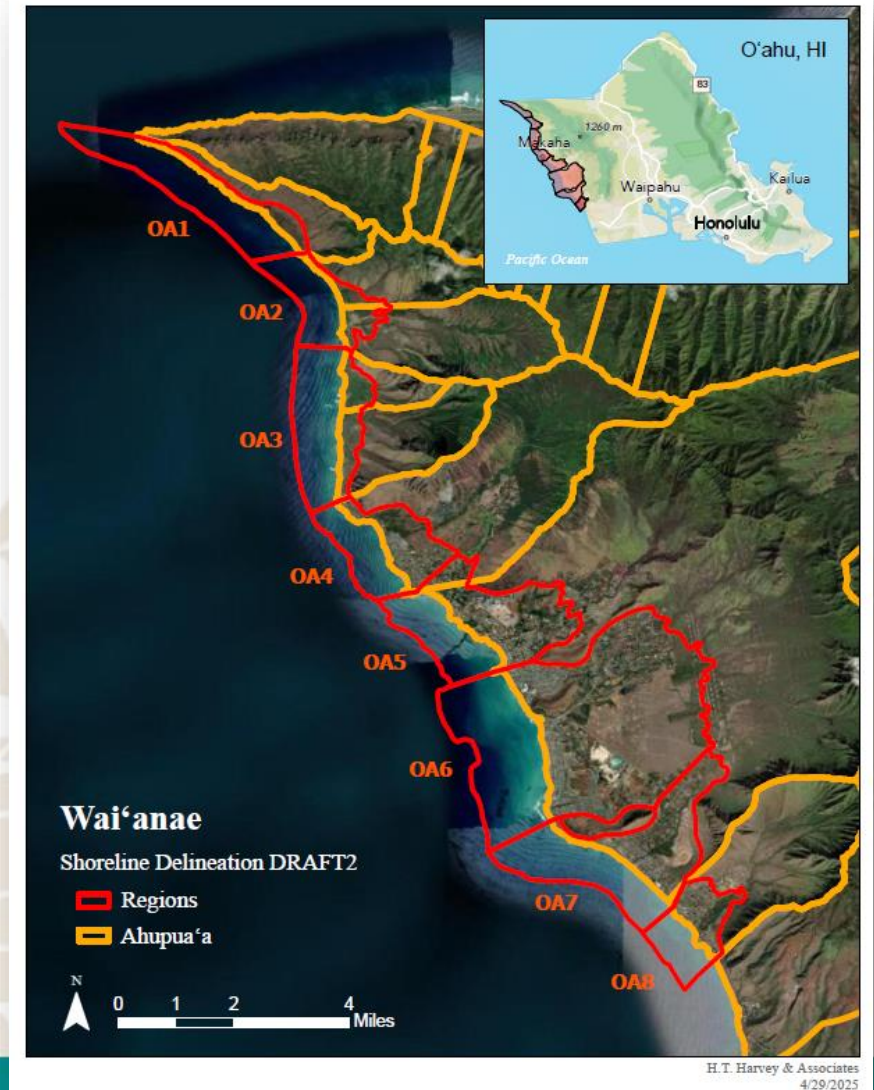
Focus Area 1: Development & Coastal Hazards



Regional Shoreline Management Initiative

Challenge: Current shoreline regulatory system is parcel-based and reactive

- Identified need by ORMP Coordinated Working Group
- Long-term initiative to facilitate more coordinated, large-scale and proactive interventions based on how environmental conditions interact with the natural environment and development
- Completed Phases:
 - Scoping Study - proposed methodology for regional delineation
 - Agency Consultations
 - Preliminary Mapping (technical data)
- Upcoming Phases:
 - Community Participatory Mapping
 - Regional Adaptation Actions



State Facilities & SLR (Act 178, SLH 2021)

Challenge: Lack of coordinated adaptation planning effort for state facilities

- Initiative originated in legislature, but aligns with ORMP goals
- Identify State managed facilities vulnerable to SLR; ultimately incorporate SLR into CIP process
- Build capacity of agencies to address SLR adaptation in way most appropriate for their own needs
- Development of Tool, User Guide, Adaptation Pathways Guidance
- OPSD as lead, but relies on Network Partners for implementation

Hawai'i Sea Level Rise Vulnerability Assessment Tool

The purpose of this questionnaire-based Hawaii Sea Level Rise Vulnerability Assessment Tool (VAT) is to help the user a) determine which state-owned buildings in Hawai'i are exposed to sea level rise, b) assess the vulnerability of buildings which *are* exposed to sea level rise, and c) help agencies prioritize buildings for resilience projects based on which are most at risk from sea level rise and coastal erosion impacts. For each building assessed with this tool, users will generate a vulnerability score between 0 and 30. (This is the range of scores based on normalization to treat the Exposure, Sensitivity, and Adaptive Capacity scores as weighted equally.)

- 1-10 = Low vulnerability
- 11-20 = Medium vulnerability
- 21-30 = High vulnerability

Building Details

1

Building Name/Number

Enter your answer

2

Agency

Note: Will be a dropdown list in the final version

Enter your answer

3

Location

Enter your answer

4

Name of person(s) using this tool

Enter multiple names, if appropriate

Enter your answer

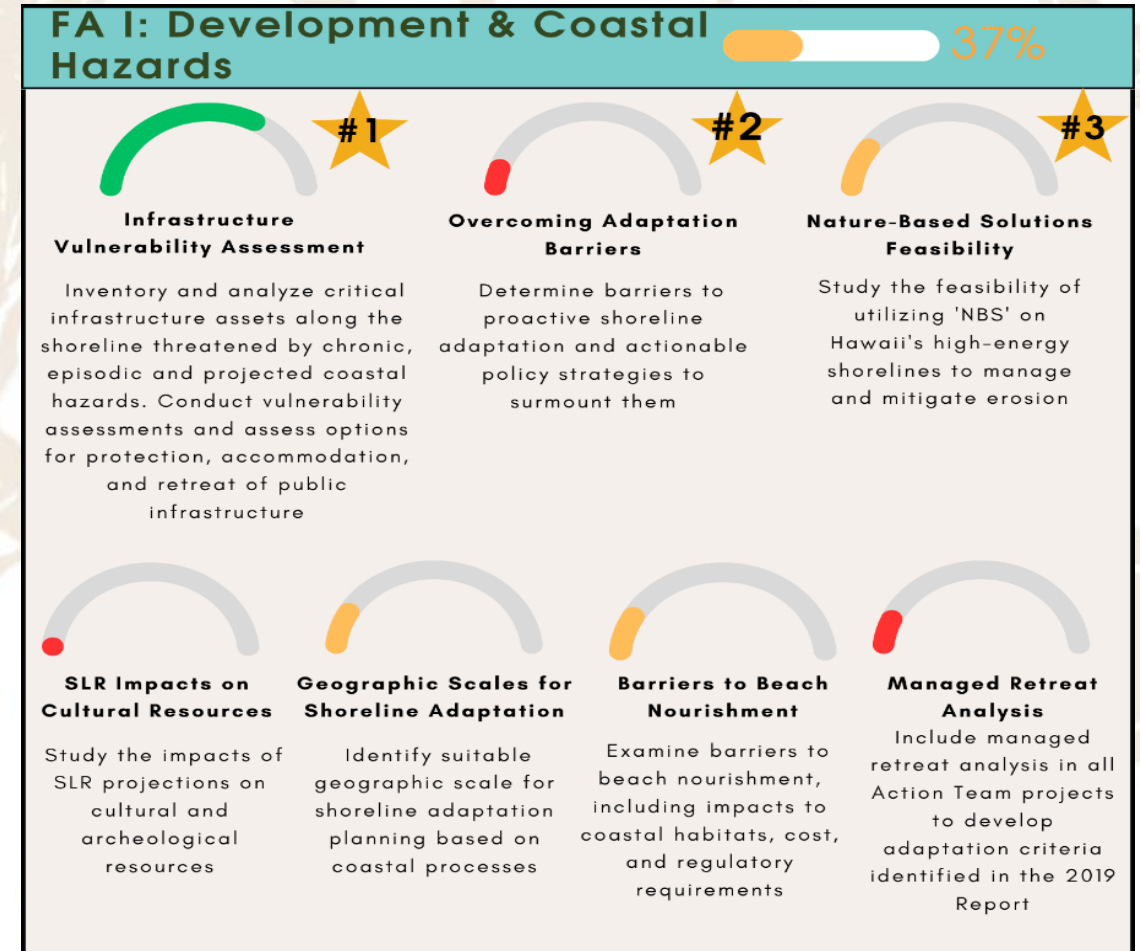
2025 ORMP Evaluation & Refresh

Assess Progress

- Project inventory across Network
- Identify where efforts have been focused

Implementation Strategy for next 5 yrs

- Confirm Focus Area priorities
- Emerging issues
- Network goals



2025 Evaluation & Refresh: Assessment

2025 ORMP Evaluation & Refresh

☆ ...

PurposeRecent Project HighlightsFA I - Coastal Hazards and Dev...FA II - Land-Based PollutionFA III - Marine EcosystemsEmerging Issues



Creating a Community-Based Resilience and Watershed Management Plan in Hilo Bay
Create a community resilience and watershed management plan that utilizes nature-based solutions to enhance resilience along the Hilo Bay coastline and within the Hilo Bay Watershed, protecting the...



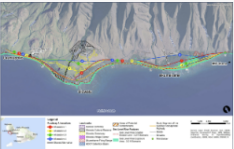
Waihe'e Coastal Dunes and Wetlands Refuge Kapoho Loko i'a and Lo'i Kalo Restoration
Hawaiian Islands Land Trust and Native Hawaiians from the Waihee and Waiehu communities will work together to restore the flow of water to the taro fields and fishpond at the Waihee Coastal Dunes and...



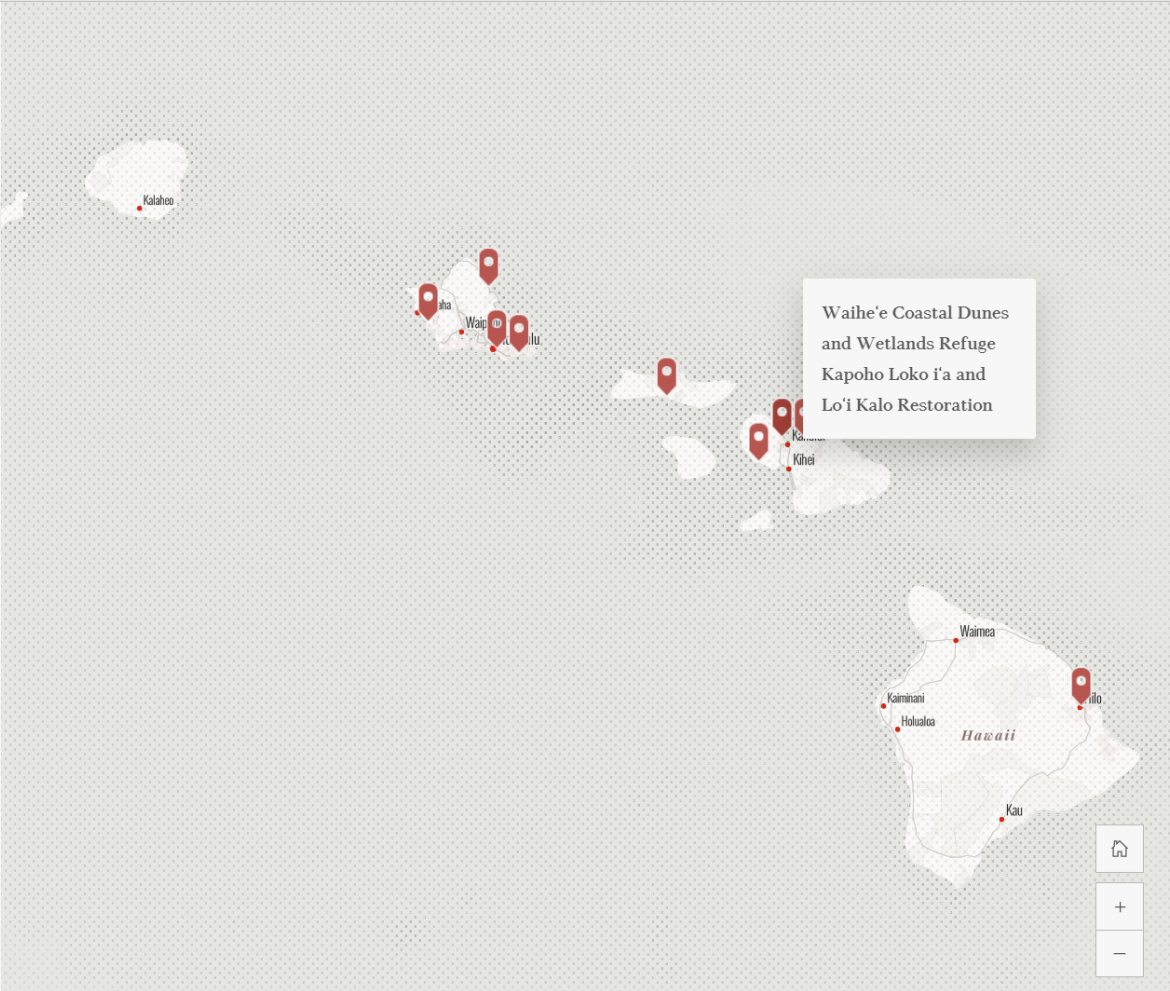
Planning for Improved Resilience to Coastal Hazards through Green Infrastructure at Pu...
The objective is to conduct a feasibility assessment for the development of a green infrastructure project that will protect Kamehameha Highway from flooding and erosion, improve community resiliency to se...



Holistic Community-led Habitat Restoration in a Hawaiian Context
Mālama Maunaloa will use a traditional Native Hawaiian-based ridge-to-reef (ahupua'a) strategy to restore habitat in the Niu, Kuli'ou'ou, and Waiupe watersheds in southeast Oahu. Restoration across the...



Honoapi'ilani Hwy Improvements
The Project's primary purpose is to provide a reliable transportation facility in West Maui and improve Honoapi'ilani Highway's resilience by reducing its vulnerability to coastal hazards. Specifically, the Proj...



Waihe'e Coastal Dunes and Wetlands Refuge Kapoho Loko i'a and Lo'i Kalo Restoration

Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, USFWS

50 km L Powered by Esri

2025 Evaluation & Refresh: Strategy

POTENTIAL IMPLEMENTATION ACTIONS



INCLUDE MORE SECTORS

Include more sectors (e.g. economists, realtors, tourism, etc.) in adaptation discussions to ensure strategies are holistic and comprehensive



IMPROVE COORDINATION

Improve coordination across State and county agencies for purposes related to permit review, enforcement, ecosystem restoration, responding to emergency situations, and adaptation planning



PILOT PROJECT OPPORTUNITIES

Identify opportunities for pilot projects and demonstration sites to implement adaptive solutions



STATEWIDE POLICIES

Explore options for statewide policies regarding acceptable shoreline interventions in various scenarios/coastal typologies



UP-TO-DATE DATA

Continue providing the most up-to-date data and SLR projections to inform decision-making

ORMP Dashboard

Emerging Issues

Cesspool Conversion

Facilitate cesspool conversion efforts in coastal areas

Wetland Management

Update available data/maps; strengthen protections for priority wetlands

Watershed Coordination

Facilitate and expand watershed-based resource management planning and restoration activities

Mahalo!

Download the ORMP at:

<http://planning.hawaii.gov/czm/ormp/>



Sarah Chang

Sarah.m.chang@hawaii.gov



OFFICE OF PLANNING &
SUSTAINABLE DEVELOPMENT
STATE OF HAWAI'I