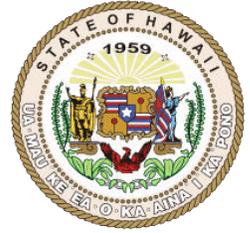




Hawaii CZM Program

Coastal Zone Management
HAWAII STATE OFFICE OF PLANNING



ABOUT THE PROGRAM

To provide for the effective management, beneficial use, protection, and development of the coastal zone

Hawaii's CZM Program was enacted to provide a common focus for state and county actions dealing with land and water uses and activities. As the State's resource management policy umbrella, it is the guiding perspective for the design and implementation of allowable land and water uses and activities throughout the state.

Unlike single-purpose programs, the Hawaii CZM Program focuses its work on the complex resource management problems of coastal areas in the State that are under the highest stress. Within a framework of cooperation among federal, state and local levels, the Hawaii CZM program employs a variety of regulatory and non-regulatory techniques to address coastal issues and uphold environmental law. Among them are stewardship, planning, permitting, education/outreach, technical assistance to local governments and permit applicants, policy development and implementation, and identification of emerging issues and exploration of solutions.

PROGRAM COMPONENTS

FEDERAL CONSISTENCY

The national Coastal Zone Management Act requires direct federal activities and development projects to be consistent with approved state coastal programs to the maximum extent practicable. Federally-permitted, licensed or assisted activities occurring in, or affecting, the state's coastal zone must be in agreement with the Hawaii CZM Program's objectives and policies.

SPECIAL MANAGEMENT AREA (SMA) PERMITS

SMA Permitting is a management tool to assure that permitted uses and activities that are defined as developments in the SMA are designed and carried out in compliance with the CZM objectives and policies and SMA guidelines. It is independently implemented by each of the four counties according to their respective ordinances and rules.

OCEAN RESOURCES MANAGEMENT PLAN (ORMP)

The ORMP is a statewide plan mandated by Hawaii Revised Statutes Chapter 205A. It is based on a three-perspective framework: Connecting Land and Sea; Preserving Our Ocean Heritage; and Promoting Collaboration and Stewardship. The plan builds upon traditional Hawaiian management principles and focuses on an integrated and area-based approach to natural and cultural resource management.

MARINE AND COASTAL ZONE ADVOCACY COUNCIL (MACZAC)

Composed of twelve advisory members statewide with diverse backgrounds in business, environment, native Hawaiian practices, terrestrial and marine commerce, recreation, research and tourism, MACZAC advises the Director of the Office of Planning on marine and coastal zone management planning, coordination, and facilitation of functions of the Hawaii CZM Program.

PROGRAM FACTS

Coastal Population in 2017*:
1,427,538

Miles of Coastline:
750**/ 1,052***

Ocean / Coastal Economy in 2015 *:
\$8,051,583,000 / \$81,900,000,000

CZM FUNDING SUMMARY FY18-19

Federal Funds (\$)	\$2,459,651
State Funds (\$)	\$310,474
State & County Services in Kind	\$1,998,178

CZM Partners:

Federal: NOAA, EPA, USACE, US Navy, USCG, USFWS, NMFS, HIHWNMS, PICCC, PacIOOS, WPRFMC

State/County: DBEDT, DOA, DOD, DOH, DLNR, DOT, DHHL, OHA, HCDA, LUC, OEQC, OMPO, MACZAC, UH-SOEST, the City and County of Honolulu, County of Kauai, County of Maui, County of Hawaii

Others: The Nature Conservancy, Trust for Public Land

Federally Funded Hawaii CZM Program Staff:

Office of Planning 9, Hawaii County 6, Kauai County 4, Maui County 4

* Based on available data provided by The National Ocean Economic Program <http://noep.mbari.org>.

** Based on general outline of seacoast.

*** Includes shoreline of outer coast, offshore islands, bays, rivers and creeks to the head of tidewater or to a point where tidal waters narrow to a width of 100 feet.

RECENT ACCOMPLISHMENTS

CZM Program

- Reports Completed:
 - ◇ *Building Code Amendments to Reduce Existing and Future Building Stock Vulnerability to Coastal Hazards and Climate Impacts in the City and County of Honolulu.* The primary goal of this project is to develop disaster resilient measures to reduce vulnerability to natural hazards caused by climate change through the examination of current City and County of Honolulu building codes and proposing code amendments. Suggested changes will strengthen and/or replace regulations to reduce existing and future building stock vulnerability to coastal hazards and climate impacts.
- Support for *County of Maui Shoreline Access Update* – the Hawai'i CZM Program contracted with the County of Maui to update its existing public access inventory to provide improved access through a user-friendly web-based interface facilitating coastal-recreation opportunities accessible to the public.
- Support of partner publications including the *Homeowner's Handbook to Prepare for Natural Hazards Version 3.2*, (UH Sea Grant), *My Hawai'i Story Project 2018*, (Hawai'i Conservation Alliance), and *Community Watershed Snapshot Guidebook*, (Hawai'i Conservation Alliance).

Other OP Programs

- Special Plans Branch continued activities for statewide integration of Sustainability goals and objectives; completed Phase 1 of a comprehensive review and update of the Hawai'i State Plan; provided administration and support of the Special Action Team on Affordable Rental Housing; and managed an EDA grant of \$130,000 to identify innovation industry opportunities along the TOD corridor.
- The Geographic Information Systems (GIS) Program continued to support and promote the use of the State's enterprise GIS resources and data in partnership with the Office of Enterprise Technology Services (ETS). More than 600 agency users have access to the State's geoplatform. Many have developed internal and public-facing applications leveraging the training, tools, and resources provided by the GIS Program. The GIS Program also developed a geospatial open data portal, making more than 300 data sets available to the public.
- Land Use Division (LUD) represents the State on all land use and important agricultural land matters before the State Land Use Commission, and continues to lead State coordination efforts on Transit-Oriented Development (TOD) projects on approximately 1,900 acres of State-owned lands surrounding the proposed 21 rail stations on Oahu, as well as the neighbor islands.

CURRENT & FUTURE INITIATIVES

Since 1978, the Hawai'i CZM Program has undertaken a number of initiatives in various areas related to the coastal zone. Most recently, the program is involved in the following initiatives:

ASSESSING THE FEASIBILITY AND IMPLICATIONS OF MANAGED RETREAT STRATEGIES FOR VULNERABLE COASTAL AREAS IN HAWAII

This project expands efforts identified by an Ocean Resources Management Plan Action Team to assess the feasibility and implications of implementing managed retreat strategies. The project examines managed retreat programs that have been successfully implemented in post-catastrophic events and as part of long-range planning and reviews if and how their programs may be applied to Hawai'i. The project also explores the potential nexus of managed retreat and enhanced public access to the shore. Managed retreat has the potential for increasing shoreline access to some areas in Hawai'i. This can be seen as an opportunity to enhance shoreline access for recreation, cultural practices, subsistence, and coastal safety.

PROBABILISTIC TSUNAMI DESIGN ZONE MAPS FOR O'AHU

The Hawai'i Multi-Hazard Mitigation Plan identified tsunamis as a hazard of high concern for the State. In 2016, the American Society of Civil Engineers (ASCE) developed ASCE 7-16, Chapter 6 – Tsunami Loads and Effects – the first national, consensus-based standard for tsunami resilience in Hawai'i and other Western states. To assist for upcoming use with the ASCE 7-16 design standards in Hawai'i, high-resolution maps of 2,500-year probabilistic tsunami inundation zones for O'ahu will be developed to be compatible with both the State Building Code Council and the City & County of Honolulu Building Code amendments. CZM plans to develop probabilistic tsunami design zone maps statewide in the future.

OCEAN RESOURCES MANAGEMENT PLAN – UPDATE

The Ocean Resources Management Plan (ORMP) focuses on an integrated approach to managing ocean resources in the islands based on recognition of the ecological connections between the land and sea, the link between human activities and their impacts on the environment, and the need for improved collaboration and stewardship in natural resources governance. The 2013 ORMP identifies eleven Management Priorities, notes responsible agencies and resources, and provides a method for performance measures and reporting. The ORMP is updated every five years with extended government feedback and statewide public input. The next update process is planned for 2019.

UPDATING THE HAWAII HISTORICAL SHORELINE DATABASE

This project updates the existing coastal erosion maps, utilizing aerial photographs, early shoreline maps, and satellite imagery to update shoreline change rates for the islands of Kaua'i, Maui, and O'ahu. State and county agencies use these data to guide siting of construction in shoreline areas to avoid impacts from coastal erosion.



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