



PAPA HĀNAUMOKUĀKEA  
Marine National Monument

*A World Heritage Site*

# NOAA ONMS Update

## November 4, 2016 - January 13, 2017

Presented to the NWHI Coral Reef Ecosystem Reserve Advisory Council  
Presented by: Athline Clark, NOAA Superintendent  
February 2, 2017





# AGENCY COORDINATION



# Office of Hawaiian Affairs Formally Designated PMNM's 4th Co-Trustee

MEMORANDUM OF AGREEMENT

AMONG THE

STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES

AND THE

OFFICE OF HAWAIIAN AFFAIRS

AND THE

U.S. DEPARTMENT OF THE INTERIOR  
U.S. FISH AND WILDLIFE SERVICE

AND THE

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

FOR

PROMOTING COORDINATED MANAGEMENT OF THE  
PAPAHAŪNAUMOKUĀKEA MARINE NATIONAL MONUMENT AND EXPANSION



## PMNM MANAGEMENT STRUCTURE

### MONUMENT CO-TRUSTEE AGENCIES

State Of Hawai'i (HI)

U.S. Department of Interior (DOI)

U.S. Department of Commerce (DOC)

Office of Hawaiian Affairs (OHA)



### SENIOR EXECUTIVE BOARD

State of Hawai'i  
Department of Land & Natural Resources (DLNR)

DOI - U.S. Fish and Wildlife Service (FWS)

DOC - National Oceanic & Atmospheric Administration (NOAA)

Office of Hawaiian Affairs (OHA)



### MONUMENT MANAGEMENT BOARD

State of Hawai'i - DLNR - Division of Aquatic Resources (DAR)

State of Hawai'i - DLNR - Division of Forestry & Wildlife (DOFAW)

U.S. Fish & Wildlife Service, National Wildlife Refuge System (FWS-NWRS)

U.S. Fish & Wildlife Service, Ecological Services (FWS-ES)

NOAA National Ocean Service Office of Marine Sanctuaries (ONMS)

NOAA National Marine Fisheries Service (NMFS)

Office of Hawaiian Affairs (OHA)



### INTERAGENCY COORDINATING COMMITTEE

U.S. Environmental Protection Agency, U.S. Coast Guard 14th District Prevention and Response, U.S. Geological Survey, U.S. Department of Defense, and others



# CONSTITUENCY BUILDING & OUTREACH





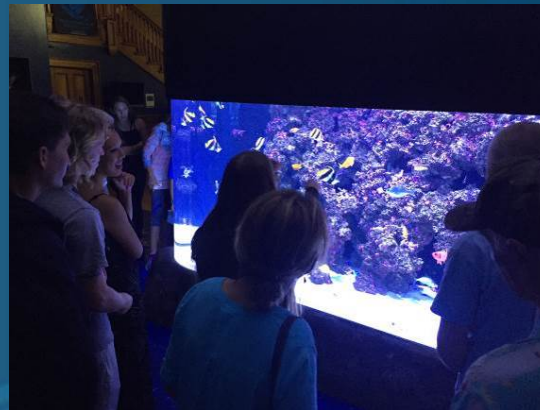
PMNM staff provided tank-side interpretation at the NWHI tank exhibit at the Waikīkī Aquarium



Dr. Randy Kosaki talks about mesophotic exploration on “This Green Earth” radio show on KPCW, the National Public Radio affiliate of Park City, Utah.



Over a hundred people attend Dr. Randy Kosaki’s lecture on deep reef research in PMNM

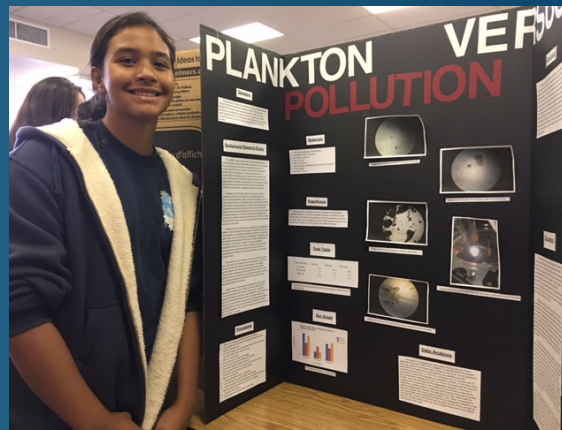


Build a Coral Reef activity at the Hāna Limu Festival.



# EDUCATION





**PMNM staff judged the Kailua Intermediate Science & Engineering Fair. Kailua Intermediate student poses with Plankton project display board.**



**PMNM staff taught about the Hawaiian ahupua'a system of land management.**



**PMNM staff participated in three Nā Kama Kai clinics, at 'Ewa Beach Park, Kailua Beach Park and Hale'iwa Beach Park**





# MOKUPĀPAPA DISCOVERY CENTER HIGHLIGHTS





# Mokupāpapa Discovery Center

- Since November 4, 2016, MDC has welcomed 5,619 visitors
- MDC welcomed University of Wisconsin Stevens Point students
- Arc of Hilo participants also enjoyed a sneak peak of the Rama Exhibit by artist Calley O'Neill
- Interactive Polynesian voyaging canoe, the Lost on a Reef exhibit, and the special artifacts and skull replicas on display
- MDC hosted two 'Alalā (Hawaiian crow) Release Celebrations



'Alalā public celebration activities

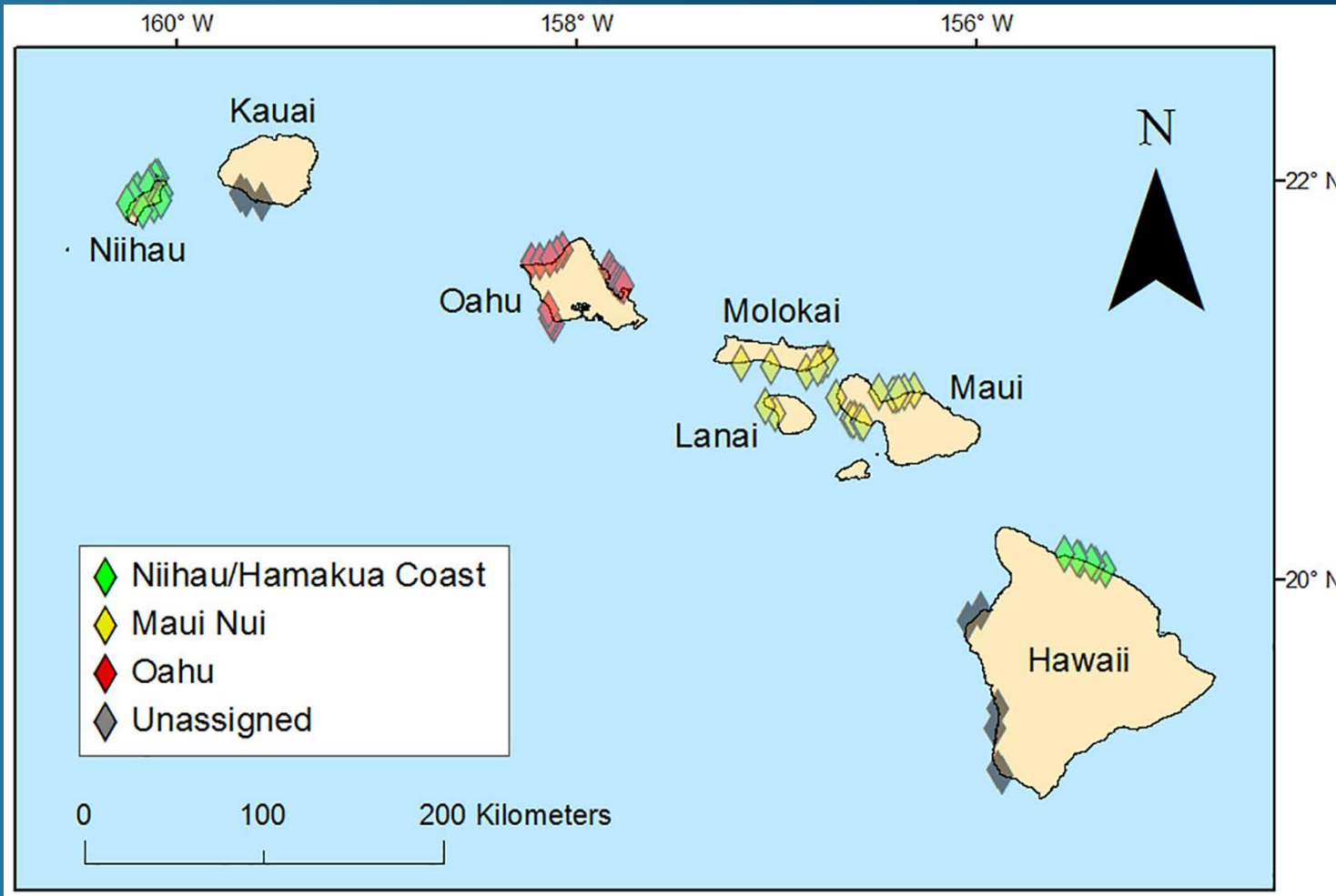


# FIELD & RESEARCH



# Marine Biodiversity Articles Published

PMNM Co-Authors Study Comparing Fish Data Collection on SCUBA and Rebreathers



Map of survey locations.

Diamonds mark locations of paired OC-CCR survey sites. The color of diamonds indicate presumed fishing pressure with red = high, yellow = medium and green = low

# New Discoveries

Scientists from the Bishop Museum, NOAA PMNM, and the Association for Marine Exploration published a description of a new species of coral reef fish that they named after President Barack Obama to recognize his role in the recent expansion of PMNM.



The fish, whose scientific name is *Tosanoides obama*, was discovered by rebreather divers on a reef more than 300 feet deep during a June 2016 NOAA research expedition to PMNM.

## **Staff Changes:** New Hires:

Jenee Dana Ron, Web Developer/GIS II

## Departures:

Jonathan Geyer, Web Applications Developer

## **Calendar:**

- Bishop Museum “Fall in Love with Science” outreach event (February 12, 2017)
- Mauka to Makai Waikīkī Aquarium Earth Day event (April 22, 2017)
- Aloha Aina Honolulu Zoo Earth Day event (April 22, 2017)

*Mahalo*

