



**PAPA HĀNAUMOKUĀKEA**  
**Marine National Monument**

*A World Heritage Site*

# **NOAA ONMS Update**

## **February 15 - April 30, 2019**

Presented to the NWHI Coral Reef Ecosystem Reserve Advisory Council  
Presented by: Athline Clark, NOAA Superintendent  
June 6, 2019





# CONSTITUENCY BUILDING & OUTREACH





**PMNM Participates in  
Bishop Museum's  
Discovery Day**  
*(Credit: Jennifer Crawford).*

**Kānehūnāmoku Voyaging  
Academy visits the NOAA  
Inouye Regional Center**  
*(Credit: Jennifer Crawford).*



# PMNM Native Hawaiian Program Voyages to NMSAS for Cultural Exchange



*Credits: Nerelle Que and Kalani Quiocho*



# EDUCATION



# PMNM Staff Participates in Three Career Day Events to Promote Marine Science



*(Credit: Nami-Anne Dolan)*



# MOKUPĀPAPA DISCOVERY CENTER HIGHLIGHTS





MDC Educators Justin Umholtz and Malia Evans lead students through a series of kilo (observation), tidepool exploration, and a discussion on the importance of invertebrates in intertidal ecosystems. (Credits: United Hawai‘i College)



First graders from Keaukaha Elementary learn about native animals living in PMNMM (Credits: Virginia Branco and Justin Umholtz/NOAA).



Local elementary students enjoy making and wearing their hats of animals who live in PMNM (Credits: Virginia Branco/NOAA).



Left: Michael Caban shows students the strong, beak-like teeth of an uhu (parrotfish) (Credit: Virginia Branco/NOAA).



# FIELD & RESEARCH



# PMNM Intern Completes MS Degree Using PMNM RAMP Cruise Data



*Example of partial mortality on a colony of Montipora coral. The area contained within the solid black line is old mortality discolored by algal overgrowth. The area between the dashed black line and the solid black line is fresh mortality, and the area outside of the dashed line is live coral (Credit: Kailey Pascoe).*

## Calendar:

- Saturday, June 8 - World's Ocean Day, Ko Olina, Oahu 4-9 PM
- July 9-11 - Hawai'i Conservation Conference, Honolulu, Oahu
- August 2-4 - Get into Your Sanctuary Day
- Saturday, September 21 - International Coastal Cleanup, TBD

