

A World Heritage Site

NOAA ONMS Update June 6 – September 23, 2019

Presented to the NWHI Coral Reef Ecosystem Reserve Advisory Council Presented by: Athline Clark, NOAA Superintendent October 10, 2019









Agency Coordination

USCG Hosts Flight to Midway for Agency Coordination



Credit: John Armor

On September 20, NOAA PMNM Superintendent Athline Clark joined ONMS Director John Armor, NOS Assistant Administrator Nicole LeBoeuf, and partner agencies on a one-day trip to Midway Atoll.

CONSTITUENCY BUILDING & OUTREACH



Waikīkī Aquarium
Celebrates Dr. Isabella
Kauakea Aiona Abbott
(Credit: Jennifer Crawford).

PMNM Video Exhibit Included in Smithsonian's Renovated Hall of Fossils

(Credit: National Museum of Natural History).



PMNM Celebrates World Oceans Day

(Credit: ONMS /PMNM Staff).







Honolulu Film Premiere Highlights PMNM Scientist Randy Kosaki and His Sister (Credit: Randy Kosaki).





Get Into Your Sanctuary Day 2019 Events at Mokupāpapa Discovery Center

(Credit: Malia Evans).





Papahānaumokuākea Featured at Hanauma Bay

(Credit: Hanuma Bay Education Program).





PMNM Hosts Ocean Acidification Teacher Workshop





(Credit: Justin Umholtz)

MOKUPĀPAPA DISCOVERY CENTER **HIGHLIGHTS**



Circle of Life Summer Camp students participate in a robotics activity. *Credit: Clayton Watkins*



Students practice driving an ROV Credit: Justin Umholtz & Clayton Watkins



Craft Night Creations

Credit: Justin Umholtz



Coral fragments being grown in MDC basement. *Credit: Michael Caban and Malia Evans*



Scientists Document Invasive Alga Outbreak and Extensive Hurricane Damage to Reefs



Mats of invasive red alga completely overgrowing native corals and algae at Pearl and Hermes Atoll. Credit: Taylor Williams





Left: Rapture Reef at French Frigate Shoals before Hurricane Walaka (credit: James Watt). Right: Rapture Reef at French Frigate Shoals after Hurricane Walaka (Credit: Taylor Williams

Scientists Discover Numerous New Species of Macroalgae on Deep Reefs of PMNM





Left: New species of red algae from Pearl and Hermes Atoll, 300 ft. Right: New species of brown algae (order Sporochnales) from Lisianski Island, 300 feet. This new species is so distinct from any known Sporochnales that it likely represents a new genus. Credit: Heather Spalding.

Calendar:

- Friday, October 11 Marine Educators Night,
 Waikiki Aquarium, Honolulu, Oahu (6:00 8:30 p.m.)
- October 25- 26 University of Hawaii SOEST Open House, Honolulu, HI
- November 22-23 10th Annual Hāna Limu Festival