

Papahānaumokuākea Marine National Monument
CONSERVATION AND MANAGEMENT Permit Application

NOTE: *This Permit Application (and associated Instructions) are to propose activities to be conducted in the Papahānaumokuākea Marine National Monument. The Co-Trustees are required to determine that issuing the requested permit is compatible with the findings of Presidential Proclamation 8031. Within this Application, provide all information that you believe will assist the Co-Trustees in determining how your proposed activities are compatible with the conservation and management of the natural, historic, and cultural resources of the Papahānaumokuākea Marine National Monument (Monument).*

ADDITIONAL IMPORTANT INFORMATION:

- Any or all of the information within this application may be posted to the Monument website informing the public on projects proposed to occur in the Monument.
- In addition to the permit application, the Applicant must either download the Monument Compliance Information Sheet from the Monument website OR request a hard copy from the Monument Permit Coordinator (contact information below). The Monument Compliance Information Sheet must be submitted to the Monument Permit Coordinator after initial application consultation.
- Issuance of a Monument permit is dependent upon the completion and review of the application and Compliance Information Sheet.

INCOMPLETE APPLICATIONS WILL NOT BE CONSIDERED

Send Permit Applications to:
NOAA/Inouye Regional Center
NOS/ONMS/PMNM/Attn: Permit Coordinator
1845 Wasp Blvd, Building 176
Honolulu, HI 96818
nwhipermit@noaa.gov
PHONE: (808) 725-5800 FAX: (808) 455-3093

SUBMITTAL VIA ELECTRONIC MAIL IS PREFERRED BUT NOT REQUIRED. FOR ADDITIONAL SUBMITTAL INSTRUCTIONS, SEE THE LAST PAGE.

Papahānaumokuākea Marine National Monument Permit Application Cover Sheet

This Permit Application Cover Sheet is intended to provide summary information and status to the public on permit applications for activities proposed to be conducted in the Papahānaumokuākea Marine National Monument. While a permit application has been received, it has not been fully reviewed nor approved by the Monument Management Board to date. The Monument permit process also ensures that all environmental reviews are conducted prior to the issuance of a Monument permit.

Summary Information

Applicant Name: Ross Barnes

Affiliation: University of Hawaii Marine Center

Permit Category: Conservation and Management

Proposed Activity Dates: 1 October to 31 December 2015

Proposed Method of Entry (Vessel/Plane): Vessel, R/V Kilo Moana

Proposed Locations: Focus is on the 300 to 600 meter depths near Norhtwest Hancock Seamount, Southeast Hancock Seamount, Zapadnaya Seamount, Pioneer Bank, West and East Northhampton Seamounts, Seamounts NW of Monument into Emperors. Additional seamounts in Monument between East Northhampton and the NW end of Monument may be added if extra time at the end.

Estimated number of individuals (including Applicant) to be covered under this permit:

20 Crew on R/V Kilo Moana, 19 scientist and the Sentry support team.

Estimated number of days in the Monument: Maximum 50 in 2015

Description of proposed activities: (complete these sentences):

a.) The proposed activity would...
provide vessel support for Dr. Amy Baco-Taylor's Collaborative Research: Recovery of Seamount precious coral beds from heavy trawling disturbance. See the research permit from Dr. Amy Baco-Taylor, Florida State University, submitted on 29 April 2012. Deep waters in the monument around many of the island and seamounts have been affected by trawling prior to the establishment of the EEZ. The requested ship permit is to support year 1 and year 2 of this project which will use the ship's mutli-beam systems to provide high-resolution surveys of the features as well as photographic surveys using Sentry, an autonomous underwater vehicle (AUV) that will be launched and recovered by the ship. Year 2 of the project (2105) may be done on a different ship, but this ship permit is submitted to cover the potential for both years. Changes in crew compliment from one year to the next would be covered through an updated submission of the compliance information sheet.

b.) To accomplish this activity we would
use R/V Kilo Moana to transport personnel and equipment into the PMNM and act as a support platform for the collaborative research investigating the Recovery of Seamounts. Approximately 50 total days is allocated for the activities, only a portion of which will occur within the PMNM boundaries. All the research will be done at sea with no landings on any of the islands within the monument. One of the ship's small boats may be used to assist with launch and recovery operations of the AUV and if needed, all of the small boat operations will be in the immediate vicinity of the R/V Kilo Moana.

c.) This activity would help the Monument by ...
The research being supported by Kilo Moana should substantially increase our knowledge of the deep-water communities within the monument as well as provide a better understanding of trawling impacts and recovery potential for deep-sea coral and sponge communities. If we are also able to deploy a lander(s), we would obtain much needed time-series environmental data for deep waters in the monument.

Other information or background:

The R/V Kilo Moana, is owned by ONR and operated by the University of Hawaii Marine Center