

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; Alexander Shor

Affiliation: University of Hawaii Marine Center; University of Hawaii School of Ocean and Earth Science Technology (SOEST)

Permit Category: Conservation and Management

Proposed Activity Dates: 15 October to 10 November 2016

Proposed Method of Entry (Vessel/Plane): Vessel, R/V Ka'imikai-O-Kanaloa

Proposed Locations: Focus is on the 200 to 700 meter depths near Northwest Hancock Seamount, Southeast Hancock Seamount, Zapadnaya Seamount/Bank 11, Pioneer Bank, FFS Dive A Wypt 1, Necker Island, Academician Bank, Koko Smt. Yuryaku Smt. Kammu Guyot.

Estimated number of individuals (including Applicant) to be covered under this permit:
13 Crew on R/V Ka'imikai-O-Kanaloa, 7 crew for Pisces IV and V manned submersibles.

Estimated number of days in the Monument: 12

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 activity would also consist of operating SOEST Hawaii Undersea Research Laboratory (HURL) Pisces IV and V manned submersibles to support Dr. Baco-Taylor's separately permitted research.

b.) To accomplish this activity we would
use R/V Ka'imikai-O-Kanaloa to transport personnel and equipment into the PMNM and act as a support platform for the collaborative research investigating the Recovery of

Seamounts. Approximately 22 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 will be used to assist with launch and recovery operations of the Pisces IV and V. All of the small boat operations will be in the immediate vicinity of the R/V Ka'imikai-O-Kanaloa.

c.) This activity would help the Monument by ...

The research being supported by Ka'imikai-O-Kanaloa 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 recover and redeploy the lander, we would obtain much needed time-series environmental data for deep waters in the monument.

Other information or background:

The R/V Ka'imikai-O-Kanaloa, is owned by University of Hawaii and operated by the University of Hawaii Marine Center