

**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:

Papahānaumokuākea Marine National Monument Permit Coordinator

6600 Kalaniana'ole Hwy. # 300

Honolulu, HI 96825

[nwhipermit@noaa.gov](mailto:nwhipermit@noaa.gov)

PHONE: (808) 397-2660      FAX: (808) 397-2662

**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:** Between mid-October through November, 2010

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

**Proposed Locations:** Gardner Pinnacles region to Necker Ridge

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

13

**Estimated number of days in the Monument:** 14

**Description of proposed activities:** (complete these sentences):

a.) The proposed activity would...  
allow the R/V Ka'imikai-O-Kanaloa to safely support scientific activities approved through the permit process. The Ka'imikai-O-Kanaloa provides the base "mother ship" for the submersibles, ROV, and mapping ops. Without the ship support, these activities would not be possible.

b.) To accomplish this activity we would ....  
operate the ship in accordance with applicable Monument, Federal and State regulations. The ship will support approved activities while respecting the cultural significance of the area and making as minimal an impact on the environment as possible.

c.) This activity would help the Monument by ...  
supporting permitted science and cultural activities with respect to environmental stewardship. The activities support the understanding and protection of Monument resources and education and outreach to the public.

**Other information or background:**

## **Section A - Applicant Information**

### **1. Applicant**

Name (last, first, middle initial): Barnes, Ross E.

Title: Captain

#### **1a. Intended field Principal Investigator (See instructions for more information):**

**2. Mailing address (street/P.O. box, city, state, country, zip):** [REDACTED]

Phone: [REDACTED]

Fax: [REDACTED]

Email: [REDACTED]

For students, major professor's name, telephone and email address:

#### **3. Affiliation (institution/agency/organization directly related to the proposed project):**

University of Hawaii Marine Center

#### **4. Additional persons to be covered by permit. List all personnel roles and names (if known at time of application) here (e.g. John Doe, Research Diver; Jane Doe, Field Technician):**

Ross Barnes, Captain	TBD, 1ST EGINEER
Clary Gutzeit, Chief Mate	Veselin Mitev, Oiler
Bob Goodman, Second Mate	Mike Henderson, Oiler
Mike Hodge, A.B.	Robert Alvarez, Steward Assistant
Scott Wilson A.B.	Jan Sobolewski, Chief Steward
Bill Ward, A.B.	
Rudy Adviento, Chief Engineer	
TBD , 1ST Engineer	



**Section B: Project Information**

**5a. Project location(s):**

<input checked="" type="checkbox"/> Nihoa Island	<input type="checkbox"/> Land-based	<input type="checkbox"/> Shallow water	<input checked="" type="checkbox"/> Deep water
<input checked="" type="checkbox"/> Necker Island (Mokumanamana)	<input type="checkbox"/> Land-based	<input type="checkbox"/> Shallow water	<input checked="" type="checkbox"/> Deep water
<input checked="" type="checkbox"/> French Frigate Shoals	<input type="checkbox"/> Land-based	<input type="checkbox"/> Shallow water	<input checked="" type="checkbox"/> Deep water
<input checked="" type="checkbox"/> Gardner Pinnacles	<input type="checkbox"/> Land-based	<input checked="" type="checkbox"/> Shallow water	<input checked="" type="checkbox"/> Deep water
<input type="checkbox"/> Maro Reef			
<input type="checkbox"/> Laysan Island	<input type="checkbox"/> Land-based	<input type="checkbox"/> Shallow water	<input type="checkbox"/> Deep water
<input type="checkbox"/> Lisianski Island, Neva Shoal	<input type="checkbox"/> Land-based	<input type="checkbox"/> Shallow water	<input type="checkbox"/> Deep water
<input type="checkbox"/> Pearl and Hermes Atoll	<input type="checkbox"/> Land-based	<input type="checkbox"/> Shallow water	<input type="checkbox"/> Deep water
<input type="checkbox"/> Midway Atoll	<input type="checkbox"/> Land-based	<input type="checkbox"/> Shallow water	<input type="checkbox"/> Deep water
<input type="checkbox"/> Kure Atoll	<input type="checkbox"/> Land-based	<input type="checkbox"/> Shallow water	<input type="checkbox"/> Deep water
<input checked="" type="checkbox"/> Other			

**Ocean Based**

NOTE: There is a fee schedule for people visiting Midway Atoll National Wildlife Refuge via vessel and aircraft.

Location Description:

The deep water work outlined above consists of deep water multibeam mapping during transits for Nihoa, Necker, and French Frigate Shoals. For Gardner Pinnacles, operations will include both multibeam mapping in deep water and submersible dives. Shallow water is indicated only for one dive that will end at a notch in the carbonate platform at about 65 m depth. Science will survey using the ship during each night and to dive on the series of drowned reef terraces around Gardner Pinnacles that range in depth from 65 to nearly 2000 m. Multibeam bathymetric surveys would also be conducted on the flanks of volcanoes within the Monument during transits to and from Gardner Pinnacles and Oahu via Middle Bank, Nihoa, Twin Banks, Mokumanmana (Necker) Island, French Frigate Shoals, St. Rogatien, Brooks Banks, and to Necker Ridge. Please see individual scientist application (D. Clague) for details

**5b. Check all applicable regulated activities proposed to be conducted in the Monument:**

- Removing, moving, taking, harvesting, possessing, injuring, disturbing, or damaging any living or nonliving Monument resource
- Drilling into, dredging, or otherwise altering the submerged lands other than by anchoring a vessel; or constructing, placing, or abandoning any structure, material, or other matter on the submerged lands
- Anchoring a vessel
- Deserting a vessel aground, at anchor, or adrift
- Discharging or depositing any material or matter into the Monument
- Touching coral, living or dead
- Possessing fishing gear except when stowed and not available for immediate use during passage without interruption through the Monument

- Attracting any living Monument resource
- Sustenance fishing (Federal waters only, outside of Special Preservation Areas, Ecological Reserves and Special Management Areas)
- Subsistence fishing (State waters only)
- Swimming, snorkeling, or closed or open circuit SCUBA diving within any Special Preservation Area or Midway Atoll Special Management Area

**6 Purpose/Need/Scope *State purpose of proposed activities:***

Supporting HURL Submarine and ROV Operations

**7. Answer the Findings below by providing 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 Monument:**

The Findings are as follows:

a. How can the activity be conducted with adequate safeguards for the cultural, natural and historic resources and ecological integrity of the Monument?

All activity will be conducted with adequate safeguards for the resources and ecological integrity of the Monument. Being a part of the University of Hawaii the Ka'imikai-O-Kanaloa and crew understands the importance of the cultural and historic significance of the Monument to the native Hawaiians. The ship and crew will show respect to this special area and will do everything possible keep the Monument as we found it. All sustenance fishing activities conducted aboard the Ka'imikai-O-Kanaloa will be undertaken outside all Special Preservation Areas. Sustenance fishing activities outside the SPA's will take place per Monument regulations, rules and policies.

The Ka'imikai-O-Kanaloa has a Type II Marine Sanitation Device capable of treating black water and a holding tank capable of holding sewage and grey-water. The Ka'imikai-O-Kanaloa has a waste management plan which meets or exceeds the International Convention for the Prevention of Pollution from ships (MARPOL 73/78) and U.S. Coast Guard regulations and Monument regulations.

Ka'imikai-O-Kanaloa also has a working Vessel Monitoring System installed capable of tracking all movement within the Monument, per the requirements of Proclamation 8031, signed by the President on June 15, 2006. Ka'imikai-O-Kanaloa will maintain up to date inspections: Rat free inspection, hull inspection and cleaning.

Each year the ship invites a member of the Monument staff to brief the crew on the historical and cultural significance of the Monument.

b. How will the activity be conducted in a manner compatible with the management direction of this proclamation, considering the extent to which the conduct of the activity may diminish or enhance Monument cultural, natural and historic resources, qualities, and ecological integrity, any indirect, secondary, or cumulative effects of the activity, and the duration of such effects? All support activities will be conducted in accordance with regulations and in a manner to reduce any impact to the environment and with respect to cultural resources.

c. Is there a practicable alternative to conducting the activity within the Monument? If not, explain why your activities must be conducted in the Monument.

The purpose of our activity is to support research in the Monument. This can only be done by actually being in the Monument area and supporting diving operations with our submersibles and ROV.

d. How does the end value of the activity outweigh its adverse impacts on Monument cultural, natural and historic resources, qualities, and ecological integrity?

The end value of our activity will far outweigh any impact if any on the Monument cultural, natural and historic resources. The researchers the Ka'imikai-O-Kanaloa are bring up to the Monument have been coming there for over 20 years with the desire to better understand the Monument and leave it a better place than it was before.

e. Explain how the duration of the activity is no longer than necessary to achieve its stated purpose.

Due to funding the Ka'imikai-O-Kanaloa will only be in the Monument for the stated time of this permit. I am sure the researchers would love to stay longer to study the area as much as they can. The time spent there will only be as long as necessary to conduct the stated purpose of our visit.

f. Provide information demonstrating that you are qualified to conduct and complete the activity and mitigate any potential impacts resulting from its conduct.

I Ross Barnes the captain of the R/V Ka'imikai-O-Kanaloa have 31 years in the Merchant Marine. All of those years have been with the University of Hawaii Marine Center conducting all types of scientific operations. The past 22 years have been as Captain of their ships. All crew aboard the ship are properly documented with the U.S. Coast Guard and properly trained and licesned.

g. Provide information demonstrating that you have adequate financial resources available to conduct and complete the activity and mitigate any potential impacts resulting from its conduct. The trip is funded through NOAA and the University of Hawaii has adequate financial resources available to conduct and complete the activity and mitigate any potential impacts resulting from its conduct.

h. Explain how your methods and procedures are appropriate to achieve the proposed activity's goals in relation to their impacts to Monument cultural, natural and historic resources, qualities, and ecological integrity.

All activities will be conducted to support work permitted in the permits with respect to envirinmental stewardship and the cultural heritage of the Monument. Applicable Monument, federal and state regulations will be followed

i. Has your vessel has been outfitted with a mobile transceiver unit approved by OLE and complies with the requirements of Presidential Proclamation 8031?

The R/V Ka'imikai-O-Kanaloa is equipped with a Monument approved Vessel Monitoring system.

Faria Watch Dog

## VMS Tracking system

j. Demonstrate that there are no other factors that would make the issuance of a permit for the activity inappropriate.

The Ka'imikai-O-Kanaloa has supported research and cultural activities within the Papahānaumokuākea Marine National Monument for several years. The ship and crew have a strong record of safe operations, mission accomplishment and respect for the environmental and cultural resources of the Monument.

### **8. Procedures/Methods:**

The ship will transit to the monument from Honolulu Harbor, operate within the monument with the submersibles, ROV and multibeam mapping.

**NOTE: If land or marine archeological activities are involved, contact the Monument Permit Coordinator at the address on the general application form before proceeding, as a customized application will be needed. For more information, contact the Monument office on the first page of this application.**

### **9a. Collection of specimens - collecting activities (would apply to any activity): organisms or objects (List of species, if applicable, attach additional sheets if necessary):**

Common name:

Scientific name:

# & size of specimens:

Collection location:

Whole Organism  Partial Organism

### **9b. What will be done with the specimens after the project has ended?**

**9c. Will the organisms be kept alive after collection?**  Yes  No

- General site/location for collections:
- Is it an open or closed system?  Open  Closed
- Is there an outfall?  Yes  No
- Will these organisms be housed with other organisms? If so, what are the other organisms?
- Will organisms be released?

**10. If applicable, how will the collected samples or specimens be transported out of the Monument?**

**11. Describe collaborative activities to share samples, reduce duplicative sampling, or duplicative research:**

**12. List all specialized gear and materials to be used in this activity:**

**13 List all Hazardous Materials you propose to take to and use within the Monument:**

Marine Paint

**14. Describe any fixed installations and instrumentation proposed to be set in the Monument:**

**15. Provide a time line for sample analysis, data analysis, write-up and publication of information:**

**16. List all Applicants' publications directly related to the proposed project:**

With knowledge of the penalties for false or incomplete statements, as provided by 18 U.S.C. 1001, and for perjury, as provided by 18 U.S.C. 1621, I hereby certify to the best of my abilities under penalty of perjury of that the information I have provided on this application form is true and correct. I agree that the Co-Trustees may post this application in its entirety on the Internet. I understand that the Co-Trustees will consider deleting all information that I have identified as "confidential" prior to posting the application.

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Signature

Date

**SEND ONE SIGNED APPLICATION VIA MAIL TO THE MONUMENT OFFICE BELOW:**

Papahānaumokuākea Marine National Monument Permit Coordinator  
6600 Kalaniana'ole Hwy. # 300  
Honolulu, HI 96825  
FAX: (808) 397-2662

**DID YOU INCLUDE THESE?**

- Applicant CV/Resume/Biography
- Intended field Principal Investigator CV/Resume/Biography
- Electronic and Hard Copy of Application with Signature
- Statement of information you wish to be kept confidential
- Material Safety Data Sheets for Hazardous Materials