State of Hawai'i
DEPARTMENT OF LAND AND NATURAL RESOURCES
Division of Aquatic Resources
Honolulu, Hawai'i 96813

November 10, 2011

Board of Land and
Natural Resources
Honolulu, Hawai'i

Request for Authorization and Approval to Issue a Papahānaumokuākea Marine National Monument Conservation and Management Permit to the Monument Co-Trustee Representatives of the U.S. Department of the Interior, U.S. Fish and Wildlife Service; U.S. Department of Commerce, National Oceanic and Atmospheric Administration; and State of Hawai'i Department of Land and Natural Resources, for Access to State Waters to Conduct Conservation and Management Activities

The Division of Aquatic Resources (DAR) hereby submits a request for your authorization and approval for issuance of a Papahānaumokuākea Marine National Monument conservation and management permit to the Monument Co-Trustee representatives of the U.S. Department of the Interior, U.S. Fish and Wildlife Service; National Oceanic and Atmospheric Administration, U.S. Department of Commerce (NOAA); State of Hawai'i Department of Land and Natural Resources (DLNR), pursuant to § 187A-6, Hawaii Revised Statutes (HRS), Hawaii Revised Statutes (HRS); §§ 13-60.5-5 & 13-60.5-6, Hawaii Administrative Rules (HAR); and §§ 13-126-9 & 13-126-10, HAR, and all other applicable laws and regulations.

The conservation and management permit, as described below, would allow entry and management activities to occur in Papahānaumokuākea Marine National Monument (Monument), including the NWHI State Marine Refuge and the waters (0-3 nautical miles) surrounding the following sites:

- Nihoa Island
- Necker Island (Mokumanamana)
- French Frigate Shoals
- Gardner Pinnacles
- Maro Reef
- Laysan Island
- Lisianski Island
- Pearl and Hermes Atoll
- Kure Atoll

The activities covered under this permit would occur from January 1, 2012 through December 31, 2012.

The proposed activities are mostly a renewal of work previously permitted and conducted in the Monument. New activities proposed within this permit relating to all co trustees would include the ability to transfer materials acquired during Monument operations as such: cultural materials would be transferred to Hawaiian cultural practitioners and biological materials would be transferred to accredited institutions for educational purposes. New activities specifically relating to Hawaiian monk seal recovery include: monk seal deworming activities, captive care of health compromised monk seals, and the establishment of independent field camp facilities at all monk seal breeding sites, and temporary monk seal shore pens.

INTENDED ACTIVITIES

The applicants propose to conduct management activities for the conservation and management of the Hawaiian Islands National Wildlife Refuge, Midway Atoll National Wildlife Refuge, Northwestern Hawaiian Islands Coral Reef Ecosystem Reserve, Northwestern Hawaiian Islands State Marine Refuge, Kure Atoll State Seabird Sanctuary, and Papahānaumokuākea Marine National Monument.

NOAA, U.S. Fish and Wildlife Service, and the state DLNR perform coordinated management of Papahānaumokuākea Marine National Monument to ensure proper care, protection and preservation of historic, cultural, and scientific resources. Applicants are the Superintendents of the Monument for NOAA and U.S. Fish and Wildlife Service, and the Administrators of the Division of Aquatic Resources and the Division of Forestry and Wildlife for the State of Hawai'i, DLNR. The permit applicants will collaborate and coordinate on activities that support the management of the Monument.

This application is intended to cover all activities necessary to effectively co-manage Papahānaumokuākea Marine National Monument. Applicants describe the scope of activities in their application as follows:

- Field station operations, including maintaining facilities and equipment, field camp supply and support, and operations and on-site reviews
- Operating vessels and aircraft to provide access for conservation and management activities
- Providing opportunities for on-site staff maintenance of personnel health and fitness
- Conducting surveys and monitoring to evaluate status and trends on targeted species and habitats
- Conducting habitat mapping
- Conducting management activities to promote conservation of Monument resources (i.e. carrying out existing species recovery and restoration plans)
- Removal of marine debris and land and ocean-based trash
- Providing emergency response, injury assessment, mitigation, restoration, and monitoring and post-emergency management
- Conducting activities for cultural and historical resource identification and protection

- Conducting activities for targeted outreach and education purposes

These activities are being requested in order to fulfill trust duties by providing coordinated interagency management of the Monument ecosystems, preventing duplicate efforts, and gaining efficiencies. All of the above activities would be conducted by NOAA, U.S. Fish and Wildlife, and State of Hawai'i DLNR employees, contractors, volunteers, or other Federal and State employees under the direction and administrative control of the applicants.

The activities proposed by the applicants directly support the Monument Management Plan, including but not limited to priority management needs 3.1: Understanding and Interpreting the NWHI; 3.2: Conserving Wildlife and Habitats; 3.3 Reducing Threats to Monument Resources; 3.5: Coordinating Conservation and Management Activities; and 3.6: Achieving Effective Monument Operations.

REVIEW PROCESS

The permit application was sent out for review and comment to the following scientific and cultural entities: Hawaii Division of Aquatic Resources, Hawaii Division of Forestry and Wildlife, Papahānaumokuākea Marine National Monument (NOAA/NOS), NOAA Pacific Islands Regional Office (NOAA-PIRO), United States Fish and Wildlife Service Hawaiian and Pacific Islands National Wildlife Refuge Complex Office, and the Office of Hawaiian Affairs (OHA). In addition, the permit application has been posted on the Monument Web site since October 17th, giving the public an opportunity to comment. The application was posted within 40 days of its receipt, in accordance with the Monument's Public Notification Policy.

Comments received from the scientific community are summarized as follows:

Though no concerns were raised at the time of writing this submittal, the review period for this application remained open at that time. As such, any subsequent concerns raised through the duration of the review period will be represented on the floor at the time this submittal is heard.

Comments received from the Native Hawaiian community are summarized as follows:

Though no concerns were raised at the time of writing this submittal, the review period for this application remained open at that time. As such, any subsequent concerns raised through the duration of the review period will be represented on the floor at the time this submittal is heard.

Comments received from the public are summarized as follows:

No comments were received from the public on this application.

Additional reviews and permit history:

Are there other relevant/necessary permits or environmental reviews that have or will be issued with regard to this project? (e.g. MMPA, ESA, EA) Yes ☒ No ☐
If so, please list or explain:

- The proposed activities are in compliance with the National Environmental Policy Act and HRS chapter 343. The Final Environmental Assessment covering the subject activity was published in OEQC's The Environmental Notice on December 23, 2008 with a finding of no significant impact (FONSI).
- Take of Endangered and Threatened Species; Federal Bird Banding Permit; Green Turtle Tagging Permit; Marine Mammal Permit; Depredation Permit; Migratory Bird Permit. For additional information and permit numbers see Question 3 of the attached Compliance Sheet.

Has Applicant been granted a permit from the State in the past? Yes ☒ No ☐
If so, please summarize past permits:

- The applicants were granted permit PMNM-2008-001, PMNM-2009-001, PMNM-2010-001, and PMNM-2011-001 in the past four years for the purpose of managing the Monument.

Have there been any a) violations: Yes ☐ No ☒
b) Late/incomplete post-activity reports: Yes ☐ No ☒

Are there any other relevant concerns from previous permits? Yes ☐ No ☒

STAFF OPINION

DAR staff is of the opinion that Applicants has properly demonstrated valid justifications for their application and that they and their staff should be allowed to enter the NWHI State waters and to conduct the activities therein as specified in the application with certain special instructions and conditions, which are in addition to the Papahānaumokuākea Marine National Monument Conservation and Management Permit General Conditions. All suggested special conditions have been vetted through the legal counsel of the Co-Trustee agencies (see Recommendation section).

MONUMENT MANAGEMENT BOARD OPINION

The MMB is of the opinion that the Applicants have met the findings of Presidential Proclamation 8031 and this activity may be conducted subject to completion of all compliance requirements. The MMB concurs with the special conditions recommended by DAR staff.

RECOMMENDATION

That the Board authorize and approve a Conservation and Management Permit to Monument Co-Trustee Representatives U.S. Fish and Wildlife Service; National Oceanic

and Atmospheric Administration; and State of Hawai'i, Department of Land and Natural Resources, with the following special conditions:

1. This permit is not to be used for nor does it authorize the sale of collected organisms. Under this permit, the authorized activities must be for noncommercial purposes not involving the use or sale of any organism, by-products, or materials collected within the Monument for obtaining patent or intellectual property rights.

2. The permittee may not convey, transfer, or distribute, in any fashion (including, but not limited to, selling, trading, giving, or loaning) any coral, live rock, or organism collected under this permit without the express written permission of the Co-Trustees.

3. To prevent introduction of disease or the unintended transport of live organisms, the permittee must comply with the disease and transport protocols attached to this permit.

4. Tenders and small vessels must be equipped with engines that meet EPA emissions requirements.

5. Refueling of tenders and all small vessels must be done at the support ships and outside the confines of lagoons or near-shore waters in the State Marine Refuge

6. No fishing is allowed in State Waters except as authorized under State law for subsistence, traditional and customary practices by Native Hawaiians.

Respectfully submitted,

for Administrator

APPROVED FOR SUBMITTAL

William Aila Jr.
Chairperson

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
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: Tom Edgerton, T. 'Aulani Wilhelm, DAR Administrator (TBD), Paul J. Conry
Affiliation: U.S. Fish and Wildlife Service (FWS), National Oceanic and Atmospheric Administration (NOAA), State of Hawai'i Department of Land and Natural Resources (DLNR)

Permit Category: Conservation and Management
Proposed Activity Dates: January 1, 2012 – December 31, 2012
Proposed Method of Entry (Vessel/Plane): vessel and plane
Proposed Locations: This permit application encompasses all conservation and management activities that the Co-Trustee representatives may conduct throughout the entire Monument.

Estimated number of individuals (including Applicant) to be covered under this permit: Variable, depending on activity type and location.

Estimated number of days in the Monument: There will be Monument staff in the Monument 365 days of the year. Numbers of personnel will fluctuate depending upon the season and the management activity undertaken at any one time.

Description of proposed activities: (complete these sentences):

a.) The proposed activity would…
This Monument Conservation and Management Permit Application proposes activities that would allow the Co-Trustee Representatives of the U.S. Fish and Wildlife Service, National Oceanic and Atmospheric Administration, and State of Hawai'i Department of Land and Natural Resources to conduct management activities for the conservation and management of the Papahānaumokuākea Marine National Monument including the Hawaiian Islands National Wildlife Refuge, Midway Atoll National Wildlife Refuge, Northwestern Hawaiian Islands Coral Reef Ecosystem Reserve, Northwestern Hawaiian Islands State Marine Refuge, and Kure Atoll State Seabird Sanctuary.

b.) To accomplish this activity we would ….

To accomplish the conservation and management of this ecosystem the Co-Trustees would carry out authorized activities associated with the following:

1. General operations to support field activities, which includes field camp, vessel, and flight operations
2. Resource survey and monitoring, which includes evaluating status and trends of target species and habitats
3. Natural resource protection, restoration, and remediation, which includes predator and invasive species control, as well as marine debris removal
4. Cultural and historic resource identification, evaluation, monitoring, access and protection
5. Education and outreach

c.) This activity would help the Monument by …
These activities would benefit the Monument by providing coordinated interagency management of Monument ecosystems, prevent duplicate efforts, and gain efficiencies.

Other information or background:

Section A - Applicant Information

1. Applicant

Edgerton, Tom, Superintendent, Papahānaumokuākea Marine National Monument, U.S. Fish and Wildlife Service

Wilhelm, T. 'Aulani, Superintendent, Papahānaumokuākea Marine National Monument, National Oceanic and Atmospheric Administration

TBD, Administrator, Division of Aquatic Resources, State of Hawai'i Department of Land and Natural Resources

Conry, Paul, J., Administrator, Division of Forestry and Wildlife, State of Hawai'i Department of Land and Natural Resources

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

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

Edgerton, Tom, Superintendent, Papahānaumokuākea Marine National Monument, U.S. Fish and Wildlife Service

Wilhelm, T. 'Aulani, Superintendent, Papahānaumokuākea Marine National Monument, National Oceanic and Atmospheric Administration

TBD., Administrator, Division of Aquatic Resources, State of Hawai'i Department of Land and Natural Resources

Conry, Paul, J., Administrator, Division of Forestry and Wildlife, State of Hawai'i Department of Land and Natural Resources

Phone:
Tom Edgerton, 808-792-9583

T. 'Aulani Wilhelm, 808-397-2660

DAR Administrator TBD, 808-587-0100

Paul Conry, 808-587-0166

Fax:
Tom Edgerton, 808-792-9583

T. 'Aulani Wilhelm, 808-397-2662

DAR Administrator, 808-587-0100

Paul Conry, 808-587-0160

Email:
Tom Edgerton, tom_edgerton@fws.gov

T. 'Aulani Wilhelm, Aulani.Wilhelm@noaa.gov

DAR Administrator, TBD

Paul Conry, Paul.J.Conry@hawaii.gov

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

3. Affiliation (institution/agency/organization directly related to the proposed project):
Tom Edgerton, Superintendent, Papahānaumokuākea Marine National Monument, U.S. Fish and Wildlife Service

T. 'Aulani Wilhelm, Superintendent, Papahānaumokuākea Marine National Monument, National Oceanic and Atmospheric Administration

TBD, Administrator, Division of Aquatic Resources, State of Hawai'i Department of Land and Natural Resources

Paul J. Conry, Administrator, Division of Forestry and Wildlife, State of Hawai'i Department of Land and Natural Resources

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):

U.S. Fish and Wildlife Service (FWS) -

Hawaiian and Pacific Islands National Wildlife Refuge Complex (NWRC) staff to include: Project Leader, Barry Stieglitz; Deputy Project Leader, Don Palawaski; Supervisory Wildlife Biologist, Elizabeth Flint; Contaminants Specialist, LeeAnn Woodward;
Pacific Reefs Superintendent, Susan White; Pacific Reef Deputy Superintendent, TBN; Administrative Officer, Stuart Sakurai; Refuge Managers: Amanda Meyer and Jim Breeden; Student Training Experience Program (STEP) Stefan Kropidlowski; Inventory and Monitoring Biologist, Jared Underwood; Inventory and Monitoring Supervisor, Jean Kenyon; Refuge Zone

Officer, Charlie Quitugua; Intermittent Managers, Steve Barclay and Doug McCauley; Information and Education Specialist, Ken Foote; External Affairs Assistant, Sandra Hall; Invasive Species Coordinator, Jason Hanley; Planners, Christine Ogura and Laura Beauregard; Student Career Experience Program (SCEP) student, Jiny Kim; SCEP student, TBN; and 4 Volunteers, TBN.

FWS PMNM HQ Staff (10 total) to include:

- PMNM FWS Deputy Superintendent, TBN; FWS Permit Manager, Vernon R. Born; Visitors Services Manager, Ann Bell; Wildlife Refuge Specialist, Ty J. Benally; Budget Officer, Pat Moriyasu; Administrative Officer, Maylanie Hipolito; Biological Science Technician, Cynthia Rehkemper; 1 Logistics Manager, TBN; 1 Wildlife Biologist, TBN; 1 Refuge Manager, TBN; 4 Volunteers, TBN.

FWS Midway Atoll NWR to include:

- Refuge Staff (15 total) includes Refuge Manager, Sue Schulmeister; Deputy Refuge Manager, John Klavitter; Wildlife Biologist, Pete Leary; Biological Science Technician, Greg Schubert; Maintenance Mechanic, John Miller; Refuge Law Enforcemnet Officer, Jason Beatty; 1 Park Ranger, TBN; 5 Biological Science Technicians or Volunteers, TBN
- Midway Atoll Contractors (70 total) includes 5 Airport staff, 3 Fuel Farm staff, 3 Water Plant staff, 3 Generator staff, 3 Transportation staff, 8 Electricians staff, 5 Kitchen staff, 2 Hotel staff, 2 Communications/IT staff, 14 Public Works staff, 1 Grounds staff, 5 Administration staff, 1 Medical staff, and 16 construction workers.
- Midway Federal Aviation Administration Staff (3 total) including Deputy Director Jim White; two FAA staff, TBN.

FWS Hawaiian Islands NWR Staff to include:

- French Frigate Shoals Staff (34 total) includes Wildlife Refuge Manager, Paula Hartzell; Deputy Refuge Manager, Meg DuhrSchultz; 2 Biological Science Technicians, TBN; 10 Biological Science Volunteers, TBN; and 20 Maintenance Staff, Volunteers or Contractors, TBN.
- Laysan Island Staff (10 total) includes 4 Biological Science Technicians, Andrea Kristoff, Matt Stelmach, Michelle Kuter, and 1 TBN; and 6 Biological Science Volunteers, TBN.
- Nihoa Staff includes (4 total) 4 Biological Science Technicians or Volunteers, TBN.
- Lisianski Staff includes 2 Biological Science Technicians or Volunteers, TBN.
- Pearl and Hermes Staff includes 2 Biological Science Technicians or Volunteers, TBN

FWS Ecological Services Staff to include: Field Supervisor, Loyal Mehrhoff; Deputy Field Supervisor, Jeff Newman; Assistant Field Supervisor, TBN; Coastal Conservation Program Manager, Dan Polhemus; Biologist, Mark Ramano; 3 Fish and Wildlife Biologists, Nadiera Sukhraj, Kevin Foster and Tony Montgomery; 1 Vertebrate Recovery Coordinator, TBN; and 1 Contaminants Specialist, TBN.

National Oceanic and Atmospheric Administration (NOAA) - National Ocean Service (NOS)
Deputy Superintendent – Research and Field Operations, Dr. Randall Kosaki; Deputy Superintendent – Policy and Programs, David Swatland; Research Coordinator, TBN; Education and Technology Coordinator, Vincent Andy Collins; Administrative Officer, Moani Pai; Strategic Initiatives and Partnerships Coordinator, Naia Lewis; Policy Analyst, TBN; Evaluation & GIS Coordinator, TBN; Maritime Archaeologist, Dr. Kelly Gleason; Policy and Programs Coordinator, Hoku Johnson; Permit Specialist, Justin Rivera; Policy & Permit Specialist, Lasha-Lynn Salbosa; Constituent Outreach Specialist, Wes Byers; Fiscal Administrator, Marlene Nonaka; Administrative/Fiscal Assistant, 'Aulani Hall; Research Specialist, Daniel Wagner; GIS Specialist, Joey Lecky; Field Operations Coordinator, TBN; Information Technology Support Specialist, John Champagne; Senior Information Technology Specialist, Nick Tenney; Mokupāpapa Discovery Center Manager, TBN; Mokupāpapa Discovery Center Program Coordinator, Nakoa Goo; Monument Volunteer Coordinator, Virginia Branco; Mokupāpapa Discovery Center Program Associate, Etta Karth; Kaua'i Programs Outreach Coordinator , Yumi Yasutake; Navigating Change Curriculum Programs Coordinator, Matthew Limtiaco; Resource Protection Specialist, Loren Scott Godwin; Program Specialist, Stephanie LaChance, Research Support Technician, Brian Hauk; Website / Graphic Designer, Kahi Fujii; Office Assistant, Mike Curcio; Executive Administrative Assistant, Jeannie Fujikawa; Strategic Initiatives Associate, Darcy Whitney; Marine Operations Coordinator, Jasmine Cousins, ENS; Communications Specialist, TBN; Native Hawaiian Program Coordinator, TBN; Native Hawaiian Program Specialist, Keoni Kuoha; Data Integration Program Coordinator, David Graham; Web Applications Developer, John Geyer; Senior Data Analyst, TBN; GIS Developer, Daniel Turner; Database Programmer, Eunice Summers; Junior Data Analyst, Sally Marston.
Center for Operational Oceanographic Products and Services (CO-OPS) Team, TBN.

National Marine Fisheries Service (NMFS)
NMFS Regional Administrator, Michael Tosatto; NMFS Deputy Regional Administrator, Lisa Croft; NMFS PIRO External Communications, Wende Goo; NMFS PIRO Program Analyst, Margaret Akamine; NMFS PIRO Fishery Policy Analyst, TBN; NMFS PIRO Natural Resources Management Specialist, Heidi Hirsh; Office of Law Enforcement staff, TBN; Ferraro-Choi architecture and engineering consultants, TBN; vessel operators, TBN; NMFS PIFSC, Coral Reef Ecosystem Marine Debris Removal Team, TBN; NMFS PIFSC, Protected Species Team, HMSRP Lead, Charles Littnan; Research Wildlife Biologist; Thea Johanos-Kam; Marine Biologist, Jason Baker; Contractor Bert Harting; Wildlife Biologist, Brenda Becker; Biological Technician, Tracy Wurth; Biological Research Associate, Sean Guerin; Biological Research Associate, Mark Sullivan; Biological Research Assistant, Eric Tong; Marine Biologist, Kathleen Gobush; Foraging Research Associate, Maire Cahoon, Biological Science Technician, Robert Dollar; Biological Technician, Chad Yoshinaga; Field Research Supervisor, Jessica Lopez; PSD Chief, Frank Parrish; Program Analyst, Scott Ferguson; Fishery Biologist, John Henderson; Veterinarian, Robert Braun; Veterinarian, Frances Gulland; TBD 10 Temp Field Biologists; NMFS PIFSC, Ecosystem Monitoring / Habitat Mapping Team, TBN; NOAA Field Operations Team, TBN; National Weather Service Field Team, TBN.

State of Hawai'i -

Monument Co-Manager, Danielle Carter; Wildlife Manager, Jason Misaki; Kure Atoll State Seabird Sanctuary Manager, Cynthia Vanderlip; DOFAW Oahu Branch Manager, David Smith; Research Coordinator, TBN; Permit Coordinator, Maria Carnevale; 5 Kure Atoll State Seabird Sanctuary Volunteers, TBN; 6 Aquatic Biologists, TBN; 6 Aquatic Nusiance Species Response Team staff, TBN; 5 Biological Science Volunteers, TBN; 1 Outreach and Education Specialist, TBN.

Members of the Monument Management Board (MMB) and the Interagency Coordinating Committee (ICC) which are comprised of, but not limited to: Environmental Protection Agency (EPA), Department of Defense (DOD), US Coast Guard (USCG), NOAA Office of Law Enforcement (OLE), USFWS OLE, DLNR Department of Conservation and Resource Enforcement (DOCARE), Office of Hawaiian Affairs (OHA) and State of Hawai'i Department of Health (HDOH).

Other staff, volunteers, cultural liaisons, or contractors necessary for the permitted activities may enter the Monument for conservation and management activities. Resident families of Midway Atoll may enter the Monument. Invited news media representatives may enter the Monument to provide public information of conservation and management activities. All personnel will be indentified and information will be provided to the Monument permit coordinators prior to entry to the Monument.

The applicants shall ensure that any personnel assigned to any conservation and management activities allowed under this permit is qualified to perform the assigned role and is limited to the scope of their position and respective project, and comply with all other applicable laws, policies, protocols, permits, and regulations. In addition, the applicants will ensure that all management activities are communicated and coordinated on an ongoing and regular basis.

To safeguard all the resources and ecological integrity of the Monument, early and ongoing coordination of interagency activities will occur between the action agency and interested Monument partners as soon as details of activities are identified. The goal of early coordination is the commitment to identifying, incorporating, and customizing best management practices for specific activities. Additionally, pre-access permit and cultural briefings will be conducted for all new personnel entering the Monument and annually for all.

Section B: Project Information

5a. Project location(s):

		Ocean Based	
☒ Nihoa Island	☒ Land-based	☒ Shallow water	☒ Deep water
☒ Necker Island (Mokumanamana)	☒ Land-based	☒ Shallow water	☒ Deep water
☒ French Frigate Shoals	☒ Land-based	☒ Shallow water	☒ Deep water
☒ Gardner Pinnacles	☒ Land-based	☒ Shallow water	☒ Deep water
☒ Maro Reef			
☒ Laysan Island	☒ Land-based	☒ Shallow water	☒ Deep water
☒ Lisianski Island, Neva Shoal	☒ Land-based	☒ Shallow water	☒ Deep water
☒ Pearl and Hermes Atoll	☒ Land-based	☒ Shallow water	☒ Deep water
☒ Midway Atoll	☒ Land-based	☒ Shallow water	☒ Deep water
☒ Kure Atoll	☒ Land-based	☒ Shallow water	☒ Deep water
☒ Other			

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

Location Description:
This permit application encompasses all conservation and management activities that the permit applicants may conduct throughout the entire Monument.

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:***
The applicants propose activities that constitute management activities for the conservation and management of Papahānaumokuākea Marine National Monument including the Hawaiian Islands National Wildlife Refuge, Midway Atoll National Wildlife Refuge, Northwestern Hawaiian Islands Coral Reef Ecosystem Reserve, Northwestern Hawaiian Islands State Marine Refuge, and Kure Atoll State Seabird Sanctuary. While the permit applicants will collaborate and coordinate on activities that support the management of the Monument, any activities that require separate permits and authorizations shall be subject to additional approvals.

All activities conducted in the Monument shall be executed in accordance with Presidential Proclamation 8031 (Proclamation) and other Federal and State laws. The applicants are subject to policies, laws, and regulations associated with their management jurisdictions in addition to the Proclamation, as described in the Monument Management Plan.

To accomplish the conservation and management of the Monument, the permit applicants propose the following activities. Please note that each activity group specifies which priority management need, from the Monument Management Plan, will be addressed by conducting these activities.

1) Operations
(Priority Management Need 3.6: Achieving Effective Monument Operations)

To coordinate field activities and provide adequate infrastructure to ensure safe and efficient operations while avoiding impacts to the ecosystems of the Monument, the following activities may be conducted:

a) Field station operations for resource conservation supported by on-site management.

b) Facility maintenance activities for assets and facilities of the National Wildlife Refuge System (NWRS) and the State of Hawai'i Kure Atoll State Seabird Sanctuary and its agents, necessary for meeting mission and purposes of refuges and the Monument. Examples of activities to be undertaken include, but are not limited to:
   i. Maintenance and repair/replacement (e.g., carpentry, electrical, plumbing, welding, general construction) of facilities and their components;
   ii. Building and other facilities deconstruction and reconstruction;
   iii. Airport maintenance, including improvements such as runway lighting replacement, taxiway maintenance (including repaving, and painting/marking);
   iv. Painting, including all preparation work such as scraping, washing, etc.; and
   v. Lead-based paint soil remediation, including removal of sand/soil from around many or all affected buildings and proper on-site containment of this material.

c) Field Camp Supply and Support:
   i. Delivery and removal of supplies, people, waste, and/or assets necessary for operations.

d) Operations and On-site Reviews:
   i. Operations and on-site reviews by management and congressional personnel;
   ii. Agency site visits and meetings for management planning and programmatic assessments; and
   iii. On-site management and safety reviews to gauge implementation and effectiveness of Monument management and programs.

e) Flight Operations:
   i. Operation, maintenance, and use of airfields and runways at Midway Atoll and Tern Island.

f) Vessel operations:
   i. Operation of vessels to provide access for conservation and management activities; and
   ii. Anchoring of authorized vessels on non-coral substrate only.

g) Sustenance Fishing:
   i. Sustenance Fishing as defined by 50 CFR Part 404.11 section (h) (Note: Sustenance fishing will only occur within Midway Atoll Special Management Area for on-island FWS personnel and contractors.)

h) Personnel Safety, Fitness and Health Maintenance:
   i. Provide opportunities for on-site staff maintenance of personal health and fitness. This includes, but is not limited to biking and jogging at Tern Island, French Frigate Shoals and Midway Atoll; and
   ii. Provide for the health and safety of personnel, volunteers, contractors and visitors in the Monument through site safety reviews, adverse weather and emergency response procedures, establishment of safety protocols, and continuation of operation plans.

2) Resource Survey and Monitoring
(*Priority Management Need 3.1: Understanding and Interpreting the NWHI*)

To increase understanding of the distributions and abundances of organisms and their habitats and to improve ecosystem-based conservation management decisions in the Monument, the following activities may be conducted:

a) Survey and monitor target species and habitats to evaluate status and trends for management purposes. The following activities in direct support of management, monitoring, and characterization may be conducted:
   i. Placement, installation, and maintenance of scientific equipment, devices, markers, oceanographic instrument arrays, and remote viewing camera systems;
   ii. Non-lethal marking and tagging for monitoring purposes;
   iii. Visual, non-invasive marking and tagging for monitoring purposes;
   iv. Collection of biological, chemical, climatological, or geological samples for: analysis in support of activities under approved management plans; restoration or recovery plans; and for base line inventory and monitoring of population trends; and habitat conservation and management;
   v. Collection of biological voucher specimens that cannot be visually identified on the spot and/or may represent new geographic records or new species; and
   vi. Physical surveys and collections for landfills, storage tanks, contamination, or other potentially hazardous artifacts associated with current and former occupation and use of the Northwestern Hawaiian Islands (NWHI).

b) Conduct habitat mapping for the production of accurate, high-resolution base maps.
   i. Data collection methods may include optic, acoustic, and metal detector technologies, as well as land and dive operations for ground truthing; and
   ii. Global Positioning System (GPS) mapping and Light Detection and Ranging (LIDAR) work.

3) Natural Resource Protection, Restoration, and Remediation
(Priority Management Need 3.2: Conserving Wildlife and Habitats)
(Priority Management Need 3.3: Reducing Threats to Monument Resources)

To protect, conserve, and maintain the native ecosystems and biological diversity of the Monument, including migratory birds and marine mammals, and to aid in the recovery of its threatened and endangered plants and animals and their habitat, the following activities may be conducted. These include activities to reduce threats and minimize damage to Monument resources from marine debris, contaminants, disease, alien species and emergency situations.

a) Conduct management actions to promote conservation of Monument resources. This includes activities necessary to understand and carry out protection, restoration, and remediation of species and habitats, such as carrying out existing species recovery and restoration plans. Examples include, but are not limited to Hawaiian Monk Seal Recovery Plan, the Laysan Island Ecosystem Restoration Plan (1998), the short-tailed albatross attraction project on Midway, the Laysan duck reintroduction project on Midway, the Nihoa Millerbird recovery project, *Verbesina* control, cattle egret control, rat control, and other non-native species control projects. Restoration, when and where appropriate, will be undertaken using the best available information about pre-disturbance conditions to establish goals.

i. Turtle and bird disentanglement, health response (including treatment and necropsy), and translocation activities (not including large habitat modification), according to existing species recovery plans;
ii. Population augmentation or reestablishment activities such as capture, translocation, reintroduction, and outplanting;
iii. Invasive species controls by mechanical, chemical and manual methods as needed; and
iv. Investigation and monitoring of contamination in abiotic or biotic resources.

b) The following list of activities is intended to promote the recovery of the Critically Endangered Hawaiian monk seal at any or all breeding sites in the NWHI. Activities may include:
   i. Disentanglement of monk seals from marine debris;
   ii. Health response, including but not limited to cutting umbilical cords, lancing abscesses, administering antibiotics and necropsy;
   iii. Antihelminthic treatment ('deworming') by field staff, which may include monitoring to detect improvement in body condition of treated seals versus control seals. Antihelminthic medications may include various cestodicides and nematocides (e.g. praziquantel, fenebendazole, ivermectin, emodepside) applied via various routes (e.g. oral, injectable, topical);
   iv. Translocation, consisting of the following types:
      a. *Intra-atoll:* These translocations will include moving seals from areas of high risk where threats are imminent to safer areas, and moving pups to promote maternal fostering when necessary. Field staff will perform these movements; greater resources (e.g. veterinarian care) will not typically be necessary.
      b. *Inter-atoll:* These translocations will include transport of weaned female pups from atolls/islands of low survival to those of higher survival.
      c. *MHI – NWHI:* These translocations will include transport of main Hawaiian Island (MHI) seals that are considered a threat to themselves or humans because they have demonstrated a pattern of interacting with humans.
      d. *NWHI-captive care:* Seals may be taken into temporary captivity for treatment at appropriate, federally permitted rehabilitation facilities in the MHI for release back in the NWHI (i.e. permitted for captive care of injured, ill or prematurely weaned seals) (see below).
      e. Aggressive male seal translocations to areas with no pups or juveniles (see below);
   v. Reunion of nursing mothers and pups, when separated (includes instances of pup switches);
   vi. Mitigation of male aggression towards pups and juveniles (individual and multiple male-based aggression), including utilizing all federally permitted techniques (including, but not limited to, poles, rocks, slingshots and air horns).

Mitigation tools will be applied as appropriate for the given context (i.e. the intensity, severity and frequency of aggression and the location, with regard to other species in the area such as birds). Mitigation may include temporarily separating males from juveniles by placing either in temporary shore-pens (see below). Mitigation also may include removal of the male(s) from the area by:

a. Translocation to a location where no pups or juveniles will be harmed;
b. Placement in an appropriate, federally permitted facility that is agreeable and permitted to care for a male indefinitely; or
c. Lethal removal; this type of removal will only be applied when the above two options are not feasible, possible or exhausted. The preferred technique for euthanasia will be via physical means (e.g. firearm, captive bolt, etc.), in order for the carcass to remain in PMNM and for culturally appropriate and environmentally proper disposal to occur. When necessary, chemical euthanasia and removal of the carcass from PMNM will be allowed;

vii. Captive care of compromised seals to administer veterinary care and/or food supplementation. Captive care may include the capture and transport of seals to shore-pens (in the NWHI) or facilities in the MHI. We will aim to return NWHI seals under care in the MHI to the NWHI when a licensed veterinarian deems them rehabilitated and transport is feasible. The seals will then be released to the NWHI site deemed most appropriate for their subsequent survival (determined on the basis of such factors as the intensity and severity of imminent threats to the seals and recent survival trends at each atoll/island);
viii. Monitoring shark activity at French Frigate Shoals. Monitoring may include camping on islets with shark incidents on nursing pups and recording shark activity and shark-seal interactions via hand-held or mounted cameras (cameras will be mounted on a pole 15' or less with no guy wires to be used only during the field season and attended daily by field staff);
ix. Placement of temporary shore pens at selected NWHI breeding sites to facilitate monk seal recovery activities described here within (e.g. translocations, captive care, or male aggression mitigation); and
x. Establishment of field staff residence at all monk seal breeding sites to perform the monk seal activities described here within.

c) Remove marine debris, trash, and other materials (land and ocean-based) that pose threats to Monument resources, including but not limited to derelict fishing gear. Activities may include:
   i. Disentanglement of threatened and endangered species by authorized personnel, debris tracking via drifter buoys and Unmanned Aerial Vehicles, and monitoring of sites that have been cleared of debris for recovery rates and affects of removal;
   ii. Location and removal of debris and hazardous materials. This may be through interagency agreements, such as the Department of Defense (DOD) Innovative Readiness Training (IRT), Formerly Used Defense Sites (FUDS), or the Base Realignment and Closure (BRAC) Programs. Efforts may include activities such

as seafloor and island mapping, reconnaissance and removal of materials, and derelict vessel salvage and removal; and

iii. Removal of sessile encrusting flora and fauna associated with marine debris.

d) Provide Emergency Response, Injury Assessment, Mitigation, Restoration, and Monitoring and Post-Response Management:

i. Activities as necessary for emergency response, injury assessment, mitigation, restoration, monitoring, and post-response management in coordination with appropriate federal and/or state resource agencies and as appropriate, consistent with NOAA, FWS and State of Hawaii Damage Assessment and Restoration regulations, policies, and procedures (e.g., oil spills, ship groundings, tsunami-generated marine debris, damage assessments, monitoring alien species, monitoring coral bleaching events, collection of bleached coral or alien species); and

ii. Activities in response to an unusual mortality event (including but not limited to threatened and endangered species, marine mammals, and migratory birds) mass stranding or other urgent species response.

4) Cultural and Historical Resource Identification and Protection
(Priority Management Need 3.1: Understanding and Interpreting the NWHI)

To identify, document, interpret, preserve and protect the Monument's cultural and historic resources, the following activities may be conducted:

a) Collect post-contact artifacts as needed;

b) Monitor and survey historic sites;

c) Conservation of artifacts subject to successful National Historic Preservation Act (NHPA) Section 106 consultation and appropriate approvals from other Federal agencies (e.g., U.S. Navy) when applicable;

d) Non-commercial filming and photographic activities for the purposes of further documenting and capturing the history of the NWHI;

e) Locate historic artifacts using passive side scan sonar, metal-detector, or (land-based) ground penetrating radar;

f) Return seized Monument resources to their natural environment in coordination with appropriate federal and/or state resource agencies, including the Office of Hawaiian Affairs (OHA), as appropriate;

g) Collect culturally significant natural materials acquired during Monument operations and activities for cultural ceremonies and practices;

h) Transfer of culturally significant natural materials acquired during Monument operations and activities to Hawaiian cultural practitioners, in coordination with appropriate federal and/or state resource agencies, including OHA, and with the appropriate transfer documents and required permits;

i) Maintenance, preservation, and perpetuation of Native Hawaiian cultural sites and practices per the NHPA, Native American Graves Protection and Repatriation Act, Archeological Resources Protection Act, American Indian Religious Freedom Act and applicable sections of the Hawai'i State Constitution, Hawaii Revised Statutes and Hawaii Administrative Rules; and

j) Maintenance and preservation of historic sites on Midway Atoll.

5) **Outreach and Education**
(Priority Management Need 3.5: Coordinating Conservation and Management Activities)

To cultivate an informed, involved constituency that supports and enhances conservation of the natural, cultural, and historic resources of the Monument, and to contribute to the Nation's science and cultural literacy, the following activities may be conducted:

a) Collect information and experiences from the Monument to develop agency web pages, Navigating Change projects, and other Monument educational outreach products;

b) Collect debris and biological samples and specimens such as albatross boluses for education projects;

c) Transfer debris, biological samples, and specimens (such as albatross boluses) for educational projects with appropriate permits and transfer documents, to accredited educational institutions. Approved final Material Transfer Permit (MTP) procedures will supersede this subsection; and

d) Conduct news media and VIP site visits to enhance public knowledge and understanding of Monument resources.

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:

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

All conservation and management activities conducted by the permit applicants will be carried out with strict safeguards for the natural, cultural and historic resources of the Monument as

required by Presidential Proclamation 8031, and other applicable law and agency policies and standard operating procedures. All agencies have field protocols and best management practices. These practices and procedures will minimize or eliminate disturbance to wildlife, flora, habitats, and cultural and historic resources. Long and short-term monitoring data is used to inform management and conservation actions to maintain the ecological, cultural and historic integrity of the Monument.

To safeguard all the resources and ecological integrity of the Monument, early and ongoing coordination of interagency activities will occur between the action agency and interested Monument partners as soon as details of activities are identified. For example, a joint calendar of projected activities to be covered under the manager's permit is kept and continually updated by agency staff. In addition, logistics planning and coordination meetings between all Monument Management Board (MMB) agencies may be implemented to further synchronize activities. The goal of early coordination is the commitment to identifying, incorporating, and customizing best management practices for specific activities.

Additionally, pre-access permit and cultural briefings will be conducted for all new personnel entering the Monument and annually for all.

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?

The activities requested are directed by Presidential Proclamation 8031 and other state and federal laws, regulations, and policies. The applicants will manage the Monument's natural, historic and cultural resources, qualities, and ecological integrity in a way that will not diminish and will likely enhance them. Indirect, secondary, and cumulative effects of management activities are always considered. Activities will be in support of the Monument Management Plan (2008), including but not limited to priority management needs 3.1: Understanding and Interpreting the NWHI; 3.2: Conserving Wildlife and Habitats; 3.3 Reducing Threats to Monument Resources; 3.5: Coordinating Conservation and Management Activities; and 3.6: Achieving Effective Monument Operations.

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.

On June 15, 2006, President George W. Bush established Papahānaumokuākea Marine National Monument by issuing Presidential Proclamation 8031 (Proclamation; 71 FR 36443, June 26, 2006) under the authority of the Antiquities Act (16 U.S.C. 431), with codifying regulations in 50 CFR Part 404. This Proclamation designated that the Monument would be managed by Department of Commerce through NOAA, Department of the Interior through FWS, and that the State of Hawai'i's jurisdiction in the region remained unchanged. Through the December 8, 2006

Memorandum of Agreement (MOA), NOAA, FWS, and the State of Hawai'i Department of Land and Natural Resources became the agencies responsible for the conservation and management of the Monument, and they are working cooperatively and consulting with each other to administer the Monument. Per the MOA, the Department of Land and Natural Resources collaborates with the Office of Hawaiian Affairs (OHA) in the perpetuation of Hawaiian cultural resources in the Monument, and OHA is a member of the Monument Management Board. The applicants have been directed to provide unified conservation and management of the lands and waters of the Monument; therefore there is no practicable alternative to conducting management activities inside the Monument.

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 is to maintain all Monument resources and conduct adaptive management which will allow educated management decisions and provide for long-term protection of the Monument. By taking appropriate management actions – from monitoring to habitat enhancement and education – agencies will be able to anticipate needs, take appropriate action, and allow only activities that enhance the quality and integrity of the natural, historic and cultural resources of the Monument. Appropriate management actions prevent potential adverse impacts that include but are not limited to: invasive species outbreaks, overharvesting of natural resources; marine debris damage; avian disease outbreaks, and monk seal population declines. In addition, the applicants will employ time-tested best management practices to minimize and mitigate adverse impacts.

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

All conservation and management activities conducted by the permit applicants are conducted in the shortest possible window to prevent or eliminate disturbance to the natural, historic and cultural resources of the Monument.

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

The applicants and their representative management, biological, interpretive, law enforcement, administrative, and education and outreach staff possess high levels of expertise and knowledge of the ecosystem and locations within the Monument. These experts provide their knowledge and recommendations in all management decisions so that all impacts are minimized and mitigated if necessary.

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 applicants have adequate financial resources available to conduct the proposed management activities. Federal funding is provided through congressional appropriation. State funding is provided through State of Hawai'i funding processes.

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.

The methods and procedures used in the conservation and management activities by the permit applicants are appropriate to achieve the proposed activity's goals. All activities proposed are required for effective management of the Monument and are conducted in a way that minimizes impact as required by law. Management activities assist the applicants to protect the Monument natural, historic and cultural resources, qualities, and ecological integrity.

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

All vessels used by the applicants that are not stationed in the Monument will be outfitted with a functional NOAA Office of Law Enforcement type-approved Vessel Monitoring System as required by 50 CFR Part 404.5 and stated in the Proclamation.

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

There are no other factors that would make the issuance of a permit for the listed activities inappropriate.

8. Procedures/Methods:
The above activities will be conducted by employees, contractors, and volunteers under the direction and control of the applicants in accordance with Presidential Proclamation 8031 and all other applicable laws and regulations.

The applicants will abide by the following policies and procedures, among others that may be developed, when operating in the Monument:

1. Disease and Introduced Species Prevention Protocols for Permitted Activities in the Marine Environment;
2. General Sampling and Transport Protocols for Collected Samples;
3. Voucher Specimen Guidelines;
4. Hull, tender vessel, ballast water, and gear inspections for alien species;
5. Rat-free inspections;
6. Precautions for Minimizing Human Impacts on Birds;
7. Best Management Practices for Boat Operations and Diving Activities;
8. Health and Safety Plans, and Emergency Response Plans;

9. All FWS refuge policies and procedures for conduct in the two wildlife refuges (Hawaiian Islands National Wildlife Refuge and Midway Atoll National Wildlife Refuge);
10. All policies and procedures for conduct in Northwestern Hawaiian Islands Hawaii State Marine Refuge and Kure Atoll State Seabird Sanctuary;
11. Northwestern Hawaiian Islands Coral Reef Ecosystem Reserve Executive Orders;
12. Hawaii Administrative Rules, §13-60.5, the Hawaii Revised Statutes, § 187A-6; and
13. All other applicable state and federal laws and regulations. (See Attachment 1)

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):
Collections will occur as necessary to support the management activities listed under Question 6, Number 2 (Resource Survey and Monitoring). Collections will occur as needed in the following instances:

- Collecting species for propagation or translocation;
- Collecting post-contact artifacts as needed;
- Collecting biological, climatological, chemical, geological, or archaeological samples for study;
- Collection of biological voucher specimens that cannot be visually identified on the spot and/or may represent new geographic records or new species;
- Collection of culturally significant natural materials for cultural ceremonies and practices;
- Collection of specimens and biological samples for educational outreach activities; and
- Collection of specimens and biological materials for monitoring and research purposes to include organisms found dead and non-lethal biological samples, if such collection supports stated research or monitoring needs. (For example: birds collected to determine cause of death; birds and other samples collected for other information (e.g. genetic or isotope analyses); plastic pollution studies; and feather and egg samples for genetic and isotope sampling.)

Answers to the following will be dependent on specific management activities, and will be reported on per activity to document and track actual collections.

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?
Collections and specimens will be processed and archived according to agency protocols and Monument Best Management Practices. Some material may be provided for educational use or for museum vouchers and studies. Cultural materials may be provided to Hawaiian cultural practitioners when applicable, in coordination with appropriate federal and/or state resource agencies, including OHA. When practicable, and desirable, collections and specimens will be returned to the Monument at the location of collection.

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

Management activity dependent

- General site/location for collections: Throughout PMNM

- Is it an open or closed system? ☒ Open ☒ Closed

Management activity dependent

- Is there an outfall? ☒ Yes ☒ No

Management activity dependent

- Will these organisms be housed with other organisms? If so, what are the other organisms?

Management activity dependent

- Will organisms be released?

Management activity dependent

10. If applicable, how will the collected samples or specimens be transported out of the Monument?
Collected samples and specimens will be transported out of the Monument by approved aircraft or vessel unless used for management within the Monument. Appropriate media for preservation will be used, and are incident or specimen specific.

11. Describe collaborative activities to share samples, reduce duplicative sampling, or duplicative research:
Collaborative activities are always a goal, and are incident specific. Collaboration opportunities will be sought out and will be entered into as opportunities present themselves. Unnessesary duplicative sampling will be avoided.

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

All gear and materials necessary for the activities listed in Section B, Number 6 are either available on location or will be provided by the acting agency as necessary. All gear and materials will be selected and treated according to invasive species and disease prevention protocols.

13. List all Hazardous Materials you propose to take to and use within the Monument: All hazardous materials necessary for the activities listed in Section B, Number 6 are either available on location or will be provided by the acting agency as necessary. Hazardous materials will not be stored or transported in the Monument in amounts greater than that needed to complete management activities. All U.S. Department of Transportation safety measures will be followed for storage and transport of hazardous materials within the Monument.

14. Describe any fixed installations and instrumentation proposed to be set in the Monument: Fixed installations and instrumentation will be used in marine and terrestrial survey, monitoring, and conservation activities such as:

- Placement, maintenance, testing, and removal of measuring devices and related equipment;
- Placement of weighted floats and/or lines affixed directly to the seabed for the purposes of grounding response, or benthic surveys;
- Setting of survey stakes;
- Coring the seabed to determine adequacy of the substrate for installation of moorings, and permanent monitoring stations;
- Installation and maintenance of moorings, boundary buoys, and permanent monitoring stations; and
- Placement of scientific equipment.

All installed hardware, including but not limited to instrumentation, survey stakes, moorings, buoys, and scientific equipment, will be removed from the Monument upon completion of their respective projects.

15. Provide a time line for sample analysis, data analysis, write-up and publication of information: Samples and data will be analyzed as quickly as possible if they are collected, and publication of resulting information will follow. All data or a summary description will be provided in the permit reports as required by the permit resulting from this application.

16. List all Applicant's publications directly related to the proposed project:
N/A

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.

_____

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

Papahānaumokuākea Marine National Monument
Compliance Information Sheet

1. Updated list of personnel to be covered by permit. List all personnel names and their roles here (e.g. John Doe, Diver; Jane Doe, Field Technician, Jerry Doe, Medical Assistant):

Tom Edgerton, Superintendent, Papahānaumokuākea Marine National Monument, U.S. Fish and Wildlife Service

T. 'Aulani Wilhelm, Superintendent, Papahānaumokuākea Marine National Monument, National Oceanic and Atmospheric Administration

TBD, Administrator, Division of Aquatic Resources, State of Hawai'i Department of Land and Natural Resources

Paul J. Conry, Administrator, Division of Forestry and Wildlife, State of Hawai'i Department of Land and Natural Resources

U.S. Fish and Wildlife Service (FWS) -
Hawaiian and Pacific Islands National Wildlife Refuge Complex (NWRC) staff to include: Project Leader, Barry Stieglitz; Deputy Project Leader, Don Palawaski; Supervisory Wildlife Biologist, Elizabeth Flint; Contaminants Specialist, LeeAnn Woodward; Pacific Reefs Superintendent, Susan White; Pacific Reef Deputy Superintendent, TBN; Administrative Officer, Stuart Sakurai; Refuge Managers: Amanda Meyer and Jim Breeden; Student Training Experience Program (STEP) Stefan Kropidlowski; Inventory and Monitoring Biologist, Jared Underwood; Inventory and Monitoring Supervisor, Jean Kenyon; Refuge Zone Officer, Charlie Quitugua; Intermittent Managers, Steve Barclay and Doug McCauley; Information and Education Specialist, Ken Foote; External Affairs Assistant, Sandra Hall; Invasive Species Coordinator, Jason Hanley; Planners, Christine Ogura and Laura Beauregard; Student Career Experience Program (SCEP) student, Jiny Kim; SCEP student, TBN; and 4 Volunteers, TBN.

FWS PMNM HQ Staff (10 total) to include:

- PMNM FWS Deputy Superintendent, TBN; FWS Permit Manager, Vernon R. Born; Visitors Services Manager, Ann Bell; Wildlife Refuge Specialist, Ty J. Benally; Budget Officer, Pat Moriyasu; Administrative Officer, Maylanie Hipolito; Biological Science Technician, Cynthia Rehkemper; 1 Logistics Manager, TBN; 1 Wildlife Biologist, TBN; 1 Refuge Manager, TBN; 4 Volunteers, TBN.

FWS Midway Atoll NWR to include:

- Refuge Staff (15 total) includes Refuge Manager, Sue Schulmeister; Deputy Refuge Manager, John Klavitter; Wildlife Biologist, Pete Leary; Biological Science Technician, Greg Schubert; Maintenance Mechanic, John Miller; Refuge Law Enforcemnet Officer, Jason Beatty; 1 Park Ranger, TBN; 5 Biological Science Technicians or Volunteers, TBN
- Midway Atoll Contractors (70 total) includes 5 Airport staff, 3 Fuel Farm staff, 3 Water Plant staff, 3 Generator staff, 3 Transportation staff, 8 Electricians staff, 5 Kitchen staff, 2 Hotel staff, 2 Communications/IT staff, 14 Public Works staff, 1 Grounds staff, 5 Administration staff, 1 Medical staff, and 16 construction workers.
- Midway Federal Aviation Administration Staff (3 total) including Deputy Director Jim White; two FAA staff, TBN.

FWS Hawaiian Islands NWR Staff to include:

- French Frigate Shoals Staff (34 total) includes Wildlife Refuge Manager, Paula Hartzell; Deputy Refuge Manager, Meg DuhrSchultz; 2 Biological Science Technicians, TBN; 10 Biological Science Volunteers, TBN; and 20 Maintenance Staff, Volunteers or Contractors, TBN.
- Laysan Island Staff (10 total) includes 4 Biological Science Technicians, Andrea Kristoff, Matt Stelmach, Michelle Kuter, and 1 TBN; and 6 Biological Science Volunteers, TBN.
- Nihoa Staff includes (4 total) 4 Biological Science Technicians or Volunteers, TBN.
- Lisianski Staff includes 2 Biological Science Technicians or Volunteers, TBN.
- Pearl and Hermes Staff includes 2 Biological Science Technicians or Volunteers, TBN

FWS Ecological Services Staff to include: Field Supervisor, Loyal Mehrhoff; Deputy Field Supervisor, Jeff Newman; Assistant Field Supervisor, TBN; Coastal Conservation Program Manager, Dan Polhemus; Biologist, Mark Ramano; 3 Fish and Wildlife Biologists, Nadiera Sukhraj, Kevin Foster and Tony Montgomery; 1 Vertebrate Recovery Coordinator, TBN; and 1 Contaminants Specialist, TBN.

<u>National Oceanic and Atmospheric Administration (NOAA) -</u>
<u>National Ocean Service (NOS)</u>
Deputy Superintendent – Research and Field Operations, Dr. Randall Kosaki; Deputy Superintendent – Policy and Programs, David Swatland; Research Coordinator, TBN; Education and Technology Coordinator, Vincent Andy Collins; Administrative Officer, Moani Pai; Strategic Initiatives and Partnerships Coordinator, Naia Lewis; Policy Analyst, TBN; Evaluation & GIS Coordinator, TBN; Maritime Archaeologist, Dr. Kelly Gleason; Policy and Programs Coordinator, Hoku Johnson; Permit Specialist, Justin Rivera; Policy & Permit Specialist, Lasha-Lynn Salbosa; Constituent Outreach Specialist, Wes Byers; Fiscal Administrator, Marlene Nonaka; Administrative/Fiscal Assistant, 'Aulani Hall; Research Specialist, Daniel Wagner; GIS Specialist, Joey Lecky; Field

Operations Coordinator, TBN; Information Technology Support Specialist, John Champagne; Senior Information Technology Specialist, Nick Tenney; Mokupāpapa Discovery Center Manager, TBN; Mokupāpapa Discovery Center Program Coordinator, Nakoa Goo; Monument Volunteer Coordinator, Virginia Branco; Mokupāpapa Discovery Center Program Associate, Etta Karth; Kaua'i Programs Outreach Coordinator , Yumi Yasutake; Navigating Change Curriculum Programs Coordinator, Matthew Limtiaco; Resource Protection Specialist, Loren Scott Godwin; Program Specialist, Stephanie LaChance, Research Support Technician, Brian Hauk; Website / Graphic Designer, Kahi Fujii; Office Assistant, Mike Curcio; Executive Administrative Assistant, Jeannie Fujikawa; Strategic Initiatives Associate, Darcy Whitney; Marine Operations Coordinator, Jasmine Cousins, ENS; Communications Specialist, TBN; Native Hawaiian Program Coordinator, TBN; Native Hawaiian Program Specialist, Keoni Kuoha; Data Integration Program Coordinator, David Graham; Web Applications Developer, John Geyer; Senior Data Analyst, TBN; GIS Developer, Daniel Turner; Database Programmer, Eunice Summers; Junior Data Analyst, Sally Marston.
Center for Operational Oceanographic Products and Services (CO-OPS) Team, TBN.

National Marine Fisheries Service (NMFS)
NMFS Regional Administrator, Michael Tosatto; NMFS Deputy Regional Administrator, Lisa Croft; NMFS PIRO External Communications, Wende Goo; NMFS PIRO Program Analyst, Margaret Akamine; NMFS PIRO Fishery Policy Analyst, TBN; NMFS PIRO Natural Resources Management Specialist, Heidi Hirsh; Office of Law Enforcement staff, TBN; Ferraro-Choi architecture and engineering consultants, TBN; vessel operators, TBN; NMFS PIFSC, Coral Reef Ecosystem Marine Debris Removal Team, TBN; NMFS PIFSC, Protected Species Team, HMSRP Lead, Charles Littnan; Research Wildlife Biologist; Thea Johanos-Kam; Marine Biologist, Jason Baker; Contractor Bert Harting; Wildlife Biologist, Brenda Becker; Biological Technician, Tracy Wurth; Biological Research Associate, Sean Guerin; Biological Research Associate, Mark Sullivan; Biological Research Assistant, Eric Tong; Marine Biologist, Kathleen Gobush; Foraging Research Associate, Maire Cahoon, Biological Science Technician, Robert Dollar; Biological Technician, Chad Yoshinaga; Field Research Supervisor, Jessica Lopez; PSD Chief, Frank Parrish; Program Analyst, Scott Ferguson; Fishery Biologist, John Henderson; Veterinarian, Robert Braun; Veterinarian, Frances Gulland; TBD 10 Temp Field Biologists; NMFS PIFSC, Ecosystem Monitoring / Habitat Mapping Team, TBN; NOAA Field Operations Team, TBN; National Weather Service Field Team, TBN.

State of Hawai'i -
Monument Co-Manager, Danielle Carter; Wildlife Manager, Jason Misaki; Kure Atoll State Seabird Sanctuary Manager, Cynthia Vanderlip; DOFAW Oahu Branch Manager, David Smith; Research Coordinator, TBN; Permit Coordinator, Maria Carnevale; 5 Kure Atoll State Seabird Sanctuary Volunteers, TBN; 6 Aquatic Biologists, TBN; 6 Aquatic Nusiance Species Response Team staff, TBN; 5 Biological Science Volunteers, TBN; 1 Outreach and Education Specialist, TBN.

Members of the Monument Management Board (MMB) and the Interagency Coordinating Committee (ICC) which are comprised of, but not limited to: Environmental Protection Agency (EPA), Department of Defense (DOD), US Coast Guard (USCG), NOAA Office of Law Enforcement (OLE), USFWS OLE, DLNR Department of Conservation and Resource Enforcement (DOCARE), Office of Hawaiian Affairs (OHA) and State of Hawai'i Department of Health (HDOH).

Other staff, volunteers, cultural liaisons, or contractors necessary for the permitted activities may enter the Monument for conservation and management activities. Resident families of Midway Atoll may enter the Monument. Invited news media representatives may enter the Monument to provide public information of conservation and management activities. All personnel will be indentified and information will be provided to the Monument permit coordinators prior to entry to the Monument.

The applicants shall ensure that any personnel assigned to any conservation and management activity allowed under this permit is qualified to perform the assigned role and is limited to the scope of their position and respective project, and comply with all other applicable laws, policies, protocols, permits, and regulations. In addition, the applicants will ensure that all management activities are communicated and coordinated on an ongoing and regular basis.

2. Specific Site Location(s): (Attach copies of specific collection locations):
This permit application encompasses all conservation and management activities that the permit applicants may conduct throughout the entire Monument.

3. Other permits (list and attach documentation of all other related Federal or State permits):

Current Permits to Comply with Other Federal / State Regulations:

1. Take of Endangered and Threatened Species: USFWS-TE-702631; USFWS-TE-003483-22; USFWS-PMNM-1; USFWS-FWSPIO-17
2. Federal Bird Banding Permit: USGS-22570; USGS-22613; USGS-09149
3. Green Turtle Tagging Permit: USFWS-TE-739350-4
4. Marine Mammal Permit (Monk Seal – Research): NOAA/NMFS-10137-06
5. Depredation Permit: USFWS-MB097755-0 (Cattle Egret Control)
6. Communication systems (Broadcast/Receive Frequencies) at Midway are all licensed by FAA and FCC as appropriate. Contact refuge for additional information.
7. The USFWS is the Operator of Record of Henderson Airfield (Sand Island, Midway Atoll) and maintains its Certification as required in 14 CFR Part 139 (Federal Code of Regulations). The airfield is a certified ETOPS (emergency designation) airfield and is maintained with funding by both FAA and the USFWS. This includes UHF-VHF radio systems, AWOS (automated weather)

and NDB (Non-directional Beacon) systems. Contact refuge for additional information.

8. Migratory Bird Permits: USFWS-MB016635-0; MB2852A-1 (STAMP Project)

Previous Permits:

1. Coral Reef Ecosystem Reserve Management Activities: NWHICRER-2004-001
2. Kure marine debris removal: DLNR-NWHI-06R010
3. DAR NWHI Ulua Fish Tagging Project: DLNR-NWHI-06R020
4. HINWR Management Activities 2006: DLNR-NWHI-06R022
5. HINWR Management Activities 2006: NWHIMNM-2006-019
6. HINWR Management Activities 2007: DLNR-NWHI-07S001
7. HINWR Management Activities 2007: NWHIMNM-2007-002
8. MANWR Management Activities 2007: NWHIMNM-2007-005
9. Kure marine debris removal: DLNR-NWHI-07C001
10. Monument Management Activities: NWHIMNM-2007-001
11. Monument Management Activities: PMNM-2008-001
12. Monument Management Activities: PMNM-2009-001
13. Monument Management Activities: PMNM-2010-001
14. Monument Management Activities: PMNM-2011-001
15. State DLNR ESA-take permit : (WL13-08 effective 8/5-8/22/11)

3a. For each of the permits listed, identify any permit violations or any permit that was suspended, amended, modified or revoked for cause. Explain the circumstances surrounding the violation or permit suspension, amendment, modification or revocation.
There are no permit violations to report.

4. Funding sources (Attach copies of your budget, specific to proposed activities under this permit and include funding sources. See instructions for more information):
All activities will be conducted using allocated federal or state budgets as appropriate.

5. Time frame:
Activity start: January 1, 2012
Activity completion: December 31, 2012

Dates actively inside the Monument:
From: January 1, 2012
To: December 31, 2012

Describe any limiting factors in declaring specific dates of the proposed activity at the time of application: None

Personnel schedule in the Monument: All personnel listed above may enter the Monument to conduct the Conservation and Management activities listed in this permit application at any time between 1 January 2012 and 31 December 2012.

6. Indicate (with attached documentation) what insurance policies, bonding coverage, and/or financial resources are in place to pay for or reimburse the Monument trustees for the necessary search and rescue, evacuation, and/or removal of any or all persons covered by the permit from the Monument:
Federal and State agencies are self-insured.

7. Check the appropriate box to indicate how personnel will enter the Monument:

☒ Vessel
☒ Aircraft

Provide Vessel and Aircraft information:
All vessel information will be provided to the Monument in advance of the proposed departure date and will require separate Compliance Information Sheets.

8. The certifications/inspections (below) must be completed prior to departure for vessels (and associated tenders) entering the Monument. Fill in scheduled date (attach documentation):

☐ Rodent free, Date:
☐ Tender vessel, Date:
☐ Ballast water, Date:
☐ Gear/equipment, Date:
☐ Hull inspection, Date:

*All vessels operating under the Monument Manager's permit will require separate Compliance Information Sheets and will document fulfillment of the above required inspections and certifications.

9. Vessel information (NOTE: if you are traveling aboard a National Oceanic and Atmospheric Administration vessel, skip this question):
Vessel name:
Vessel owner:
Captain's name:
IMO#:
Vessel ID#:
Flag:
Vessel type:
Call sign:

Embarkation port:
Last port vessel will have been at prior to this embarkation:
Length:
Gross tonnage:
Total ballast water capacity volume (m3):
Total number of ballast water tanks on ship:
Total fuel capacity:
Total number of fuel tanks on ship:
Marine Sanitation Device:
Type:

Explain in detail how you will comply with the regulations regarding discharge in the Monument. Describe in detail. If applicable, attach schematics of the vessel's discharge and treatment systems:

Other fuel/hazardous materials to be carried on board and amounts:

Provide proof of a National Oceanic and Atmospheric Administration (NOAA) Office of Law Enforcement-approved Vessel Monitoring System (VMS). Provide the name and contact information of the contractor responsible for installing the VMS system. Also describe VMS unit name and type:

VMS Email:
Inmarsat ID#:

* Individuals MUST ENSURE that a type-approved VMS unit is installed and that its automatic position reports are being properly received by the NOAA OLE system prior to the issuance of a permit. To make sure your VMS is properly configured for the NOAA OLE system, please contact NOAA OLE at (808) 203-2503 or (808) 203-2500.

* PERMIT AUTHORIZATIONS WILL NOT BE ISSUED TO INDIVIDUALS ENTERING THE MONUMENT VIA VESSEL UNTIL NOAA OLE HAS CONTACTED THE MONUMENT PERMIT COORDINATOR WITH A 'POSITIVE CHECK' READING.

10. Tender information:

On what workboats (tenders) will personnel, gear and materials be transported within the Monument? List the number of tenders/skiffs aboard and specific types of motors:

Additional Information for Land Based Operations

11. Proposed movement of personnel, gear, materials, and, if applicable, samples:
Personnel, gear, materials, and collected samples will be moved on NOAA research vessels, University of Hawai'i research vessels, authorized charter vessels, and aircraft (to Midway Atoll and Tern Island, French Frigate Shoals) as needed. For vessels that do not carry separate Monument permits (e.g. contract re-supply vessels), separate Compliance Information Sheets will be required and submitted prior to proposed departure date.

12. Room and board requirements on island:
Agency staff will be provided room and board as coordinated by the permit applicants on the islands within the Monument as appropriate. Agencies will pay fees at Midway Atoll National Wildlife Refuge as necessary for room and board costs.

13. Work space needs:
Agency staff will be provided room and board as coordinated by the permit applicants on the islands within the Monument as appropriate.

DID YOU INCLUDE THESE?
- ☐ Map(s) or GPS point(s) of Project Location(s), if applicable
- ☐ Funding Proposal(s)
- ☐ Funding and Award Documentation, if already received
- ☐ Documentation of Insurance, if already received
- ☐ Documentation of Inspections
- ☐ Documentation of all required Federal and State Permits or applications for permits