

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

March 22, 2024

Board of Land and Natural Resources  
State of Hawai'i  
Honolulu, Hawai'i

**NON-ACTION ITEM:  
BRIEFING ON PAPA HĀNAUMOKUĀKEA DRAFT NATIONAL MARINE SANCTUARY  
DESIGNATION DOCUMENTS INCLUDING A DRAFT ENVIRONMENTAL IMPACT  
STATEMENT, DRAFT FEDERAL RULES PACKAGE, AND A DRAFT SANCTUARY  
MANAGEMENT PLAN**

Submitted for your review are draft documents for the proposal to designate the marine areas of the Papahānaumokuākea Marine National Monument (Monument) as a national marine sanctuary pursuant to the National Marine Sanctuaries Act (NMSA).<sup>1</sup> The marine areas encompass approximately 582,570 square miles (439,910 square nautical miles). The National Oceanic and Atmospheric Administration (NOAA) is proposing this action to add conservation benefits of the national marine sanctuary system to the areas. The State of Hawai'i (State) Department of Land and Natural Resources (DLNR) Division of Aquatic Resources (DAR) is proposing to include State waters including the Northwestern Hawaiian Islands (NWHI) Marine Refuge in this action.

**BACKGROUND**

Papahānaumokuākea is situated in the northwestern portion of the Hawaiian archipelago, located northwest of the island of Kaua'i. Papahānaumokuākea is a vast, remote, and largely uninhabited marine region. The Monument encompasses an area of approximately 587,578 square miles (1,508,870 sq. km) of the Pacific Ocean including the small islands, islets, reefs, shoals, submerged banks, and atolls that extend from subtropical latitudes to near the northern limit of coral reef development. Kanaka 'ōiwi (Native Hawaiian) worldview acknowledges Papahānaumokuākea as a sacred area that represents the source of an everlasting continuum of creation from which life springs and to which spirits return after death.

Kanaka 'ōiwi explored, colonized, and in some cases permanently settled in Papahānaumokuākea in pre-contact times. Nihoa and Mokumanamana have archaeological sites including agricultural, religious, and habitation features. Today,

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<sup>1</sup> The National Marine Sanctuaries Act (NMSA) authorizes the Secretary of Commerce to designate and protect areas of the marine environment with special national significance due to their conservation, recreational, ecological, historical, scientific, cultural, archeological, educational or esthetic qualities as national marine sanctuaries. See 6 U.S.C. §§ 1431 et seq.

Papahānaumokuākea continues to be a significant place for kanaka 'ōiwi and their cultural heritage. Papahānaumokuākea, also referred to as the kūpuna islands (elder islands), represents the living relationship of kanaka 'ōiwi to these islands as part of the Hawaiian universe and directly connected to knowledge systems and practices central to cultural identity.

Post-contact, various protection efforts in the region have been enacted over the years, beginning in 1903 when President Theodore Roosevelt sent in the U.S. Marines to stop the slaughter of seabirds for feathers and eggs at Midway Atoll. Over the next 100 years, six U.S. Presidents afforded the region increasing protection. In 2005 the State established the NWHI Marine Refuge adding another layer of protection. In 2006, President George W. Bush established the Monument. Most recently, in 2016 President Barack Obama signed Presidential Proclamation 9478 expanding the Monument to its current size, creating the sub area known as the Monument Expansion Area (MEA) from 50 to 200 nautical miles around the NWHI. These layers of protections add to the mo'ō kū'auhau, or genealogy, of Papahānaumokuākea, as a place of deep significance to kanaka 'ōiwi, the United States, and the world.

The current management for the area is the responsibility of four co-trustees: the State through DLNR; the US Department of the Interior through the U.S. Fish and Wildlife Service (FWS); the US Department of Commerce through NOAA, and the Office of Hawaiian Affairs (OHA). The co-trustees are committed to preserving the ecological integrity of the area and perpetuation of the NWHI ecosystems, Native Hawaiian culture, and other historic resources. The State through DAR and the Division of Forestry and Wildlife (DOFAW) contribute to management efforts across the area. The State maintains a station at Hōlanikū (Kure Atoll) where staff continue conservation and management efforts. Community groups are also involved in management efforts in the Monument.

### PROPOSED NATIONAL MARINE SANCTUARY DESIGNATION

In December 2020, Congress directed NOAA to initiate the national marine sanctuary designation process for the marine areas of the Monument. National marine sanctuary designation would add conservation benefits by providing a supplemental regulatory framework and additional protections to safeguard living, cultural, and maritime heritage resources. NOAA is the lead federal agency on this action. NOAA Office of National Marine Sanctuaries (ONMS) is the implementing agency and is leading the sanctuary designation process of the marine areas of the Monument with DAR. FWS and the Department of Defense are cooperating agencies.

The designation process includes a joint National Environmental Policy Act (NEPA) and Hawaii Environmental Policy Act (HEPA) environmental impact statement. The State of Hawai'i, through DAR, co-developed the draft environmental impact statement (DEIS) and proposes to the public for consideration that NOAA include all state waters and submerged lands within the Monument in the proposed national marine sanctuary. These waters and submerged lands run from zero to three nautical miles around Nihoa,

Mokumanamana, Lalo, Kamole (Laysan Island), Kamokuokamohoali'i (Maro Reef), 'Ōnūnui and 'Ōnūiki (Gardner Pinnacles), Kapou (Lisianski Island), Manawai, and Hōlanikū. The State waters and submerged lands within Papahānaumokuākea serve significant ecological, cultural, and historic purposes. The State also recognizes the Native Hawaiian spiritual connection to Papahānaumokuākea and its significance in Native Hawaiian traditions and culture. The State of Hawai'i would co-manage the proposed sanctuary. This proposed sanctuary management structure would be incorporated into the larger co-management framework for the Monument.

The State has constitutional public trust duties to protect these waters and submerged lands for the benefit of the public and Native Hawaiians. Article XI, section one of the Constitution of the State of Hawai'i stipulates a State duty to “conserve and protect Hawaii’s natural beauty and all natural resources” for the benefit of the people and future generations. The State also has constitutional duties particular to Native Hawaiians. Article XII, section seven of the Constitution of the State of Hawai'i stipulates that the State must protect Native Hawaiian rights “customarily and traditionally exercised for subsistence, cultural and religious purposes.” The Admission Act, Section 5 and Article XII, Section 4 of the Constitution of the State of Hawai'i provide additional protection through a separate public land trust with the State as trustee for the ceded lands granted to it during its admission to the U.S. as a state. Native Hawaiians and the “general public” are beneficiaries of both trusts. HEPA also requires analysis of impacts to cultural resources resulting in the State’s CIA within the DEIS titled E Ho'i I Ke Au A Kanaloa (Nohopapa Hawai'i, 2023). To support the State’s constitutional duties to protect Native Hawaiian traditional and customary practices, this document also contains a legal analysis to support a three-part Ka Pa'akai Analysis.<sup>2</sup>

The DEIS and draft sanctuary management plan provide detailed information and analysis of a range of reasonable alternatives for the proposed designation of marine portions of the Monument as a national marine sanctuary. The State and NOAA prepared this DEIS in accordance with HEPA (Chapter 343 HRS, HAR Chapter 11-200.1); NEPA, as amended (42 U.S.C. 4321 et seq.); NOAA Administrative Order 216-6A, which describes NOAA requirements, policies, and procedures for implementing NEPA; and the NMSA (16 U.S.C. 1431 et seq.), which requires preparation of an environmental impact statement for all sanctuary designations. This DEIS relies on the Council on Environmental Quality’s (CEQ) 2020 NEPA regulations (40 CFR 1500 et seq., “Phase I”) because this NEPA process began after September 14, 2020,. See 40 CFR § 1506.13.

Scoping included a 74-day public review and comment period (November 19, 2021– January 31, 2022) during which NOAA and DAR solicited public comments related to

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<sup>2</sup> On September 11, 2000, the Hawaii Supreme Court (Court) ruled in *Ka Pa'akai O Ka 'Āina vs. Land Use Commission, State of Hawai'i (Ka Pa'akai)* that State and government agencies have an obligation to “preserve and protect traditional and customary Native Hawaiian rights” and that an appropriate analytical framework was needed to assess whether these rights were unduly violated. The Court developed a three-pronged test, dubbed the “Ka Pa'akai Analysis,” which is triggered when government agencies consider proposed uses of land and water resources that may impact the exercise of Native Hawaiian traditional and customary rights.

the scale and scope of the proposed sanctuary. In addition, NOAA and DAR hosted four public meetings (December 8, 11, 14, and 16, 2021), and accepted comments through the regulations.gov web-based portal and by traditional mail until January 31, 2022. During the scoping period, 73 individuals and groups provided written input. About 165 people attended the four scoping meetings, with nine people providing oral comments. In general, comments were strongly supportive of the goals of sanctuary designation, including protecting Papahānaumokuākea’s nationally significant and fostering education and science programs.<sup>3</sup>

### DRAFT ENVIRONMENTAL IMPACT STATEMENT

In accordance with NEPA, the NMSA, and HEPA, NOAA and the State released a DEIS for the proposed national marine sanctuary designation in conjunction with the publication of the proposed rule. The DEIS describes the purpose and need for the proposed action of designating a national marine sanctuary, identifies a range of alternatives including the preferred alternative, provides an assessment of resources and uses in the area, and evaluates the potential environmental consequences of the proposed designation by comparing the beneficial and adverse impacts among alternatives.

The DEIS analyzes four alternatives; including a “no action” alternative, in which the area would not be designated as a national marine sanctuary; and three boundary alternatives.

The area encompassed in Alternative 1 is approximately 582,570 square miles (439,910 square nautical miles). The boundary includes the marine environment surrounding the NWHI from the shoreline of the islands and atolls seaward to 200 nautical miles, including all State waters and waters of the NWHI Coral Reef Ecosystem Reserve (Reserve), Midway Atoll and Hawaiian Islands National Wildlife Refuges (NWR), and State NWHI Marine Refuge. Alternative 1 is the agency-preferred alternative (preferred alternative) based on its comparative merits; this alternative serves as the foundation of the proposed rules (section 3.3 of the DEIS presents a map and an additional explanation of the reasons for this selection). NOAA selected its preferred alternative after considering input from the Monument Management Board, the State, cooperating agencies, and public scoping meetings. Through the analysis in the DEIS, NOAA has found that the preferred alternative would provide numerous beneficial impacts, including increased protection and conservation of resources, and improved coordination of conservation and management. NOAA has also considered the potential adverse impacts of the preferred alternative and anticipates that there would be no significant adverse impacts to biological and physical resources, cultural and historic resources, or socioeconomic resources. The preferred alternative provides additional resource protection, scientific research, and public education in areas that would be excluded by selecting the boundaries of Alternatives 2 or 3. Alternative 1 includes the MEA, an area which would benefit from the establishment of a NOAA permitting process, and the promulgation of sanctuary regulations to protect resources. Alternative

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<sup>3</sup> Summary of the scoping comments can be found in the DEIS.

1 also includes the waters of Midway Atoll and Hawaiian Islands NWRs, which are the areas of the proposed sanctuary subject to the highest level of human activity.

Alternative 2 includes the marine environment from the shoreline of the islands and atolls seaward to 50 nautical miles. This alternative includes all State waters and waters of the Reserve, Midway Atoll and Hawaiian Islands NWRs, and State Northwestern Hawaiian Islands Marine Refuge. This alternative does not include the MEA. The area encompassed in Alternative 2 is approximately 139,782 square miles (105,552 square nautical miles).

Alternative 3 has the same boundaries as Alternative 1, excluding waters within the Midway Atoll and Hawaiian Islands NWRs. The area encompassed in Alternative 3 is approximately 581,263 square miles (438,923 square nautical miles).

Based on the public comments on the draft designation documents and NOAA's experience administering the national marine sanctuary program, pursuant to NEPA and the Administrative Procedure Act, NOAA may choose to select a different alternative in the final rule and final EIS that is within the geographic and regulatory scope of the alternatives currently considered in the DEIS, and that is a logical outgrowth of this proposed rule.

### DRAFT REGULATIONS

Section 304(a)(4) of the NMSA requires that the terms of designation include:

1. the geographic area that is proposed to be included within the sanctuary;
2. the characteristics of the area that give it conservation, recreational, ecological, historical, research, educational, or esthetic value; and
3. the types of activities that would be subject to regulation by the Secretary to protect these characteristics.

Section 304(a)(4) of the NMSA also specifies that the terms of designation may be modified only by the same procedures by which the original designation was made.

The purpose and need for the sanctuary provide the overarching basis for developing the proposed regulations. The designation of the proposed sanctuary would not replace the area's current status as a marine national monument. The proposed rule would supplement the existing provisions for management of the Monument and further protect resources in the NWHI. To draft these regulations, NOAA reviewed the following, which currently guide Monument management:

1. Executive Order 13178—Northwestern Hawaiian Islands Coral Reef Ecosystem Reserve, December 4, 2000;
2. Presidential Proclamation 8031—Establishment of the Northwestern Hawaiian Islands Marine National Monument, June 15, 2006;
3. Presidential Proclamation 8112, Amending Proclamation 8031 of June 15, 2006 to Read "Establishment of the Papahānaumokuākea Marine National Monument," February 29, 2007;

4. Regulations implementing Presidential Proclamations 8031 and 8112 at 50 CFR part 404; and
5. Presidential Proclamation 9478—Papahānaumokuākea Marine National Monument Expansion, August 26, 2016.

These executive orders, presidential proclamations, and regulations served as benchmarks for drafting the proposed rule for the proposed sanctuary. The proposed rule would only add to, and would not diminish, Monument management measures and protections.

NOAA has adopted the management measures from these benchmarks, and, in a few areas, added onto those measures to allow for consistency in regulation and management across the proposed sanctuary. The proposed rule unifies management of the area by removing discrepancies and gaps in prohibitions, regulated activities, and permit criteria, providing clarity and comprehensive protection for the proposed sanctuary.

In developing this proposed rule and the proposed sanctuary terms of designation, NOAA also considered:

1. information received through public scoping comments, cooperating agency review, and coordination with the Monument Co-Trustees through the seven-member Monument Management Board (MMB), which consists of NOAA ONMS, NOAA National Marine Fisheries Service, FWS Ecological Services, FWS Refuges, DLNR DAR, DLNR DOFAW, OHA, and
2. information from analysis of issues in the DEIS, interagency coordination, and internal staff analysis and expertise.

NOAA also consulted with the Western Pacific Regional Fishery Management Council as required under the NMSA.

### DRAFT MANAGEMENT PLAN

A draft management plan has been prepared in accordance with NMSA section 304(a)(2)(C). Management plans are site specific documents that ONMS uses to manage individual sanctuaries. The draft management plan:

1. articulates the sanctuary's vision, mission, goals, and objectives;
2. describes the management activities and initiatives that NOAA proposes to conduct; and
3. provides strategies and assessment measures to guide the sanctuary's short and mid-range management.

Respectfully submitted,



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BRIAN J. NEILSON, Administrator  
Division of Aquatic Resources

APPROVED FOR SUBMITTAL



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DAWN N. S. CHANG, Chairperson  
Board of Land and Natural Resources

Attachments:

Exhibit 1 – Draft Environmental Impact Statement and Draft Management Plan (linked)

Exhibit 2 – Draft Regulations (attached)

**DEPARTMENT OF COMMERCE****National Oceanic and Atmospheric Administration****15 CFR Part 922**

[Docket No. 240213–0047]

RIN 0648–BL33

**Proposed Papahānaumokuākea National Marine Sanctuary**

**AGENCY:** Office of National Marine Sanctuaries (ONMS), National Ocean Service (NOS), National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (DOC).

**ACTION:** Proposed rule; notification of availability of draft environmental impact statement and draft management plan; request for public comments.

**SUMMARY:** NOAA proposes to designate marine portions of Papahānaumokuākea Marine National Monument as Papahānaumokuākea National Marine Sanctuary (proposed sanctuary) to protect nationally significant biological, cultural, and historical resources and to manage this special place as part of the National Marine Sanctuary System. The proposed sanctuary consists of an area of approximately 582,570 square statute miles (439,910 square nautical miles) of Pacific Ocean waters surrounding the Northwest Hawaiian Islands and the submerged lands thereunder. NOAA proposes to establish the terms of designation for the proposed sanctuary and proposes regulations to implement the designation of the national marine sanctuary. NOAA is also publishing a draft environmental impact statement (DEIS), prepared in coordination with the State of Hawai‘i, and a draft management plan (DMP). NOAA is soliciting public comments on the proposed rule, the DEIS and the DMP.

**DATES:** NOAA will consider all comments received by May 7, 2024. NOAA will host public meetings and will allow for comments in both English and Hawaiian (‘Ōlelo Hawai‘i) at the following dates and times:

*Meeting #1:* Virtual Meeting—April 6, 2024, 9 a.m.–12 p.m. HST.

*Meeting #2:* Honolulu, O‘ahu—April 8, 2024, 5 p.m.–8 p.m. HST, Aloha Tower, Multipurpose Room 3, 1 Aloha Tower Drive, Honolulu, Hawai‘i 96813.

*Meeting #3:* Kāne‘ohe, O‘ahu—April 9, 2024, 5 p.m.–8 p.m. HST, He‘eia State Park, 46–465 Kamehameha Hwy., Kāne‘ohe, Hawai‘i 96744.

*Meeting #4:* Wai‘anae, O‘ahu—April 10, 2024, 5 p.m.–8 p.m. HST, Wai‘anae District Park Gym, 85–601 Farrington Highway, Wai‘anae, Hawai‘i 96792.

*Meeting #5:* Waimea, Kaua‘i—April 11, 2024, 5 p.m.–8 p.m. HST, Waimea High School—Cafeteria, 9707 Tsuchiya Rd., Waimea, Hawai‘i 96796.

*Meeting #6:* Hanalei, Kaua‘i—April 12, 2024, 5 p.m.–8 p.m. HST, location address to be determined.

*Meeting #7:* Hilo, Hawai‘i—April 15, 2024, 5 p.m.–8 p.m. HST, Mokuapāpapa Discovery Center, 76 Kamehameha Ave., Hilo, Hawai‘i 96720.

*Meeting #8:* Kahalu‘u Kona, Hawai‘i—April 16, 2024, 5 p.m.–8 p.m. HST, Kahalu‘u Ma Kai Site—Kamehameha Schools, 78–6780 Ali‘i Drive, Kailua-Kona, Hawai‘i 96740.

*Meeting #9:* Kahului, Maui—April 17, 2024, 5 p.m.–8 p.m. HST, Maui Community College Dining Room, 310 W Ka‘ahumanu Avenue, Kahului, Hawai‘i 96732.

*Meeting #10:* Kaunakakai, Moloka‘i—April 18, 2024, 5 p.m.–8 p.m. HST, location address to be determined.

Please check the website (<https://sanctuaries.noaa.gov/papahanaumokuakea/>) for the most up-to-date information on public meetings, including meeting locations and the virtual meeting link. NOAA may end a virtual or in-person meeting before the time noted above if all participants have concluded their oral comments.

**ADDRESSES:** You may submit comments on this document, identified by NOAA–NOS–2021–0114, by any of the following methods:

- *Electronic Submission:* Submit all electronic comments via the Federal eRulemaking Portal. Go to <https://www.regulations.gov> and search for docket NOAA–NOS–2021–0114 (note: copying and pasting the FDMS Docket Number directly from this document may not yield search results). Click the “Comment Now!” icon, complete the required fields, and enter or attach your comments.

- *Mail:* Send any hard copy public comments by mail to PMNM-Sanctuary Designation, NOAA/ONMS, 1845 Wasp Blvd., Bldg. 176, Honolulu, HI 96818.

- *Public Meetings:* Provide oral comments during public meetings, as described under **DATES**. Details and additional information about how to participate in these public meetings is available at <https://sanctuaries.noaa.gov/papahanaumokuakea/>.

*Instructions:* Comments sent by any other method, to any other address or individual, or received after the end of the comment period, may not be considered by NOAA. All comments received are a part of the public record and will generally be posted for public viewing on [www.regulations.gov](https://www.regulations.gov) without change. All personal identifying

information (for example, name and address) voluntarily submitted by the commenter will be publicly accessible. Do not submit confidential business information or otherwise sensitive or protected information. NOAA will accept anonymous comments (enter N/A in the required fields to remain anonymous).

Copies of the proposed rule, the DEIS, DMP, maps of the proposed boundaries, and additional background materials can be downloaded or viewed at [www.regulations.gov](https://www.regulations.gov) (search for docket #NOAA–NOS–2021–0114). Copies will also be available at <https://sanctuaries.noaa.gov/papahanaumokuakea/>.

**FOR FURTHER INFORMATION CONTACT:** Eric Roberts, Papahānaumokuākea Marine National Monument Superintendent, at [Eric.Roberts@noaa.gov](mailto:Eric.Roberts@noaa.gov) or 808–294–7470.

**SUPPLEMENTARY INFORMATION:****I. Introduction***A. Background*

The National Marine Sanctuaries Act (NMSA; 16 U.S.C. 1431 *et seq.*) authorizes the Secretary of Commerce (Secretary) to designate and protect as national marine sanctuaries areas of the marine environment that are of special national significance due to their conservation, recreational, ecological, historical, scientific, cultural, archaeological, educational, or aesthetic qualities. Day-to-day management of national marine sanctuaries has been delegated by the Secretary to NOAA. The primary objective of the NMSA is to protect the resources of the National Marine Sanctuary System.

NOAA proposes to designate marine portions of the Papahānaumokuākea Marine National Monument as a national marine sanctuary to provide comprehensive and coordinated management of the marine areas of Papahānaumokuākea to protect nationally significant biological, cultural, and historical resources. The original Papahānaumokuākea Marine National Monument (PMNM, 0–50 nm), and the Monument Expansion Area (MEA, 50–200 nm), (collectively “Monument”), located around the Northwestern Hawaiian Islands, were established under the Antiquities Act of 1906 (54 U.S.C. 320301 *et seq.*) through, respectively, Presidential Proclamation 8031 of June 15, 2006; as amended by Presidential Proclamation 8112 of February 28, 2007; and Presidential Proclamation 9478 of August 26, 2016. The Monument is administered jointly by four Co-Trustees—the Department of Commerce, the Department of the



Interior, the State of Hawai'i, and the Office of Hawaiian Affairs.

In 2006, former President Bush established PMNM to protect and preserve the marine area of the Northwestern Hawaiian Islands and certain lands as necessary for the care and management of the historic and scientific objects therein. The Federal land and interests in land reserved included approximately 139,793 square miles of emergent and submerged lands and waters of the Northwestern Hawaiian Islands. NOAA and the United States Fish and Wildlife Service (USFWS) promulgated implementing regulations at 50 CFR part 404 for PMNM.

In 2016, Presidential Proclamation 9478 expanded the Monument into an adjacent area—the MEA—which includes the waters and submerged lands to the extent of the seaward limit of the United States Exclusive Economic Zone (U.S. EEZ) west of 163° West Longitude and covers an additional 442,781 square miles. Presidential Proclamation 9478 also directed the Secretary of Commerce to consider initiating the process to designate the MEA and PMNM seaward of the Hawaiian Islands National Wildlife Refuge and Midway Atoll National Wildlife Refuge and Battle of Midway National Memorial as a national marine sanctuary to supplement and complement existing authorities. On December 27, 2020, the Joint Explanatory Statement accompanying the Consolidated Appropriations Act, 2021, directed NOAA to initiate the process to designate the Monument as a national marine sanctuary.

The proposed sanctuary consists of a total area of approximately 582,570 square miles (439,910 square nautical miles). The precise boundary coordinates are defined in appendix A to the regulations at 15 CFR part 922, subpart W. The proposed sanctuary boundary encompasses the submerged lands, seamounts, and Pacific Ocean waters from the shoreline seaward to approximately 200 nautical miles west of 163° West Longitude surrounding the Northwest Hawaiian Islands which consist of the islands, atolls, and emergent lands stretching from Nihoa in the southeast to Kure Atoll in the northwest. The adjoining marine waters east of 163° West Longitude surrounding Nihoa extend seaward from the shoreline to approximately 50 nautical miles. This boundary reflects NOAA's preferred alternative, which is described in the DEIS as Alternative 1.

The proposed sanctuary is a place of unique environmental resources that provide large-scale ecosystem services

for both the region and the world. The marine habitat includes several interconnected ecosystems, including coral islands surrounded by shallow reef, deeper reef habitat characterized by seamounts, banks, and shoals, mesophotic reefs with extensive algal beds, pelagic waters connected to the greater North Pacific Ocean, and deep-water habitats such as abyssal plains 5,000 meters below sea level. These ecosystems are connected as essential habitats for rare species such as the threatened green turtle and the critically endangered Hawaiian monk seal, as well as over 14 million seabirds that forage in the pelagic waters to nourish the chicks they are raising on the tiny islets. These waters are home to 20 cetacean species protected by the Marine Mammal Protection Act (MMPA), with some listed as endangered under the Endangered Species Act (ESA). The importance of these waters to the Hawaiian humpback whale is only recently becoming understood. At least a quarter of the nearly 7,000 known marine species found in the region are found nowhere else on Earth.

The area of the proposed sanctuary is also a sacred place to Native Hawaiians, who regard the islands and wildlife as *kūpuna*, or ancestors. The region holds deep cosmological and traditional significance for living Native Hawaiian culture. *Papahānaumokuākea* is as much a spiritual as well as a physical geography, deeply rooted in Native Hawaiian creation and settlement stories. Since Native Hawaiian culture considers nature and culture to be one and the same, the protection of one of the last nearly pristine, natural, marine ecosystems in the archipelago is seen as being akin to preserving the living culture.

The area of the proposed sanctuary also includes the location of the Battle of Midway, a turning point in World War II for the allies in the Pacific Theater. Research indicates that there are 60–80 military vessels and hundreds of aircraft on the seafloor. In addition to Navy steamers and aircraft, there are whaling ships, Japanese junks, Hawaiian fishing sampans, Pacific colliers, and other vessels from the 19th and 20th centuries. Of these, the locations of more than 30 vessel wreck sites have been confirmed by diving or bathymetric surveys, with only a handful of those identified by vessel name or otherwise evaluated.

#### *B. Purpose and Need for Action*

The National Marine Sanctuaries Act (NMSA; 16 U.S.C. 1431 *et seq.*) authorizes the Secretary to designate

national marine sanctuaries to meet the purposes and policies of the NMSA, including:

- “to provide authority for comprehensive and coordinated conservation and management of these marine areas, and activities affecting them, in a manner which complements existing regulatory authorities” (16 U.S.C. 1431(b)(2));
- “to maintain the natural biological communities in the national marine sanctuaries, and to protect, and, where appropriate, restore and enhance natural habitats, populations, and ecological processes” (16 U.S.C. 1431(b)(3));
- “to enhance public awareness, understanding, appreciation, and wise and sustainable use of the marine environment, and the natural, historical, cultural, and archaeological resources of the National Marine Sanctuary System” (16 U.S.C. 1431(b)(4));
- “to support, promote, and coordinate scientific research on, and long-term monitoring of, the resources of these marine areas” (16 U.S.C. 1431(b)(5));
- “to facilitate to the extent compatible with the primary objective of resource protection, all public and private uses of the resources of these marine areas not prohibited pursuant to other authorities” (16 U.S.C. 1431(b)(6));

NOAA's proposed action is to designate marine areas of *Papahānaumokuākea* as a national marine sanctuary. The purpose of this action is to provide comprehensive and coordinated management of the marine areas of *Papahānaumokuākea* to protect nationally significant biological, cultural, and historical resources. Additionally, the purpose of the designation is to implement the provisions of Executive Order 13178, Presidential Proclamation 9478, and the Joint Explanatory Statement accompanying the Consolidated Appropriations Act, 2021.

Accordingly, NOAA is proposing to designate this area as a national marine sanctuary to:

- Develop objectives and actions that ensure lasting protection consistent with the existing Monument proclamations;
- Safeguard natural and cultural values of the marine environment;
- Apply additional regulatory and non-regulatory tools to augment and strengthen existing protections for *Papahānaumokuākea* ecosystems, wildlife, and cultural and maritime heritage resources;
- Authorize NOAA to assess civil penalties for violations of provisions of the NMSA and regulations and permits

issued pursuant to the NMSA (16 U.S.C. 1437(d));

- Impose liability for destruction, loss of, or injury to sanctuary resources and provide natural resource damage assessment authorities for destruction, loss of, or injury to any sanctuary resource (16 U.S.C. 1443); and
- Require interagency consultation for any Federal agency action that is likely to destroy, cause the loss of, or injure any sanctuary resource (16 U.S.C. 1434(d));

### C. Designation Process

#### 1. Notice of Intent To Designate a National Marine Sanctuary

On November 19, 2021, NOAA initiated the process to designate marine portions of the Monument as a national marine sanctuary by publishing a Notice of Intent to Conduct Scoping and to Prepare an Environmental Impact Statement for the Proposed Designation of a National Marine Sanctuary within Papahānaumokuākea Marine National Monument (86 FR 64904). The notice of intent stated that NOAA would prepare a DEIS per the requirements of the National Environmental Policy Act (42 U.S.C. 4321 *et seq.*) and the NMSA. The notice of intent (NOI) also announced NOAA's intent to fulfill its responsibilities under the National Historic Preservation Act (NHPA; 54 U.S.C. 300101 *et seq.*). The State of Hawai'i published its EIS preparation notice on December 8, 2021. Following publication of these notices, NOAA conducted four virtual public scoping meetings. During the 74-day public comment period from November 19, 2021 through January 31, 2022, 73 individuals and organizations provided written input. An estimated 165 people attended the four scoping meetings, with 9 people providing oral comments. The Summary of Scoping Input on the Notice of Intent and EIS Preparation Notice and State of Hawai'i Responses to Public Scoping Comments are included in the DEIS as appendix G.

#### 2. Development of Proposed Terms of Designation and Proposed Regulations

Section 304(a)(4) of the NMSA requires that the terms of designation include: (1) the geographic area that is proposed to be included within the sanctuary; (2) the characteristics of the area that give it conservation, recreational, ecological, historical, research, educational, or esthetic value; and (3) the types of activities that would be subject to regulation by the Secretary to protect these characteristics. Section 304(a)(4) of the NMSA also specifies that the terms of designation may be

modified only by the same procedures by which the original designation was made.

The purpose and need for the sanctuary provide the overarching basis for developing the proposed regulations. The designation of the proposed sanctuary would not replace the area's current status as a marine national monument. The proposed rule would supplement the existing provisions for management of the Monument and further protect resources in the Northwest Hawaiian Islands. To draft these regulations, NOAA reviewed the following, which currently guide Monument management:

- Executive Order 13178—Northwestern Hawaiian Islands Coral Reef Ecosystem Reserve, December 4, 2000;
- Presidential Proclamation 8031—Establishment of the Northwestern Hawaiian Islands Marine National Monument, June 15, 2006;
- Presidential Proclamation 8112, Amending Proclamation 8031 of June 15, 2006 to Read “Establishment of the Papahānaumokuākea Marine National Monument,” February 29, 2007;
- Regulations implementing Presidential Proclamations 8031 and 8112 at 50 CFR part 404; and
- Presidential Proclamation 9478—Papahānaumokuākea Marine National Monument Expansion, August 26, 2016.

These executive orders, presidential proclamations, and regulations served as benchmarks for drafting the proposed rule for the proposed sanctuary. The proposed rule would only add to, and would not diminish, Monument management measures and protections. NOAA has adopted the management measures from these benchmarks, and, in a few areas, added onto those measures to allow for consistency in regulation and management across the proposed sanctuary. The proposed rule unifies management of the area by removing discrepancies and gaps in prohibitions, regulated activities, and permit criteria, providing clarity and comprehensive protection for the proposed sanctuary.

In developing this proposed rule and the proposed sanctuary terms of designation, NOAA also considered: (1) information received through public scoping comments, cooperating agency review, and coordination with the Monument Co-Trustees through the seven-member Monument Management Board (MMB), which consists of NOAA ONMS, NOAA National Marine Fisheries Service, USFWS Ecological Services, USFWS Refuges, Hawai'i Department of Land and Natural Resources (DLNR) Division of Aquatic

Resources, DLNR-Division of Forestry and Wildlife, and the Office of Hawaiian Affairs (OHA); and (2) information from analysis of issues in the DEIS, interagency coordination, and internal staff analysis and expertise. NOAA also consulted with the Western Pacific Regional Fishery Management Council as required under the NMSA.

A detailed discussion of the proposed rule is contained below in section III, subsections A through M. The proposed terms of designation are contained below in section II, and are incorporated as an annex to the DMP.

#### 3. Development of Draft Management Plan

A DMP has been prepared in accordance with NMSA section 304(a)(2)(C). Management plans are site-specific documents that ONMS uses to manage individual sanctuaries. The DMP: (1) articulates the sanctuary's vision, mission, goals, and objectives; (2) describes the management activities and initiatives that NOAA proposes to conduct; and (3) provides strategies and assessment measures to guide the sanctuary's short and mid-range management. The DMP for the sanctuary is included as appendix A to the DEIS.

#### 4. Draft Environmental Impact Statement

In accordance with National Environmental Policy Act (NEPA) (42 U.S.C. 4321 *et seq.*), the NMSA, and the Hawai'i Environmental Policy Act (HEPA, Chapter 343 HRS, HAR Chapter 11–200.1), NOAA is releasing a DEIS for the proposed national marine sanctuary designation in conjunction with the publication of this proposed rule. NOAA is the lead Federal agency in the preparation of the environmental impact statement. The USFWS, State of Hawai'i, and the Department of the Navy are cooperating agencies for the NEPA process. The DEIS (<https://sanctuaries.noaa.gov/papahanaumokuakea/>) describes the purpose and need for the proposed action of designating a national marine sanctuary, identifies a range of alternatives including the preferred alternative, provides an assessment of resources and uses in the area, and evaluates the potential environmental consequences of the proposed designation including by comparing the beneficial and adverse impacts among alternatives.

The DEIS analyzes four alternatives; including a “no action” alternative, in which the area would not be designated as a national marine sanctuary; and three boundary alternatives:

- Alternative 1 is coextensive with the marine portions of the Monument. The boundary includes the marine environment surrounding the Northwestern Hawaiian Islands from the shoreline of the islands and atolls seaward to 200 nautical miles, including all State waters and waters of the Northwestern Hawaiian Islands Coral Reef Ecosystem Reserve, Midway Atoll and Hawaiian Islands National Wildlife Refuges, and State of Hawai'i Northwestern Hawaiian Islands Marine Refuge. The area encompassed in Alternative 1 is approximately 582,570 square miles (439,910 square nautical miles).

- Alternative 2 includes the marine environment from the shoreline of the islands and atolls seaward to 50 nautical miles. This alternative includes all State waters and waters of the Reserve, Midway Atoll and Hawaiian Islands National Wildlife Refuges, and State of Hawai'i Northwestern Hawaiian Islands Marine Refuge. This alternative does not include the MEA. The area encompassed in Alternative 2 is approximately 139,782 square miles (105,552 square nautical miles).

- Alternative 3 has the same boundaries as Alternative 1, excluding waters within the Midway Atoll and Hawaiian Islands National Wildlife Refuges. The area encompassed in Alternative 3 is approximately 581,263 square miles (438,923 square nautical miles).

#### 5. Agency-Preferred Alternative

NOAA is identifying Alternative 1 as the agency-preferred alternative (preferred alternative) based on its comparative merits; this alternative serves as the foundation of this proposed rule (section 3.3 of the DEIS presents a map and an additional explanation of the reasons for this selection). NOAA selected its preferred alternative after considering input from the Monument Management Board, the State of Hawai'i, cooperating agencies, and public scoping meetings. Through the analysis in the DEIS, NOAA has found that the preferred alternative would provide numerous beneficial impacts, including increased protection and conservation of resources, and improved coordination of conservation and management. NOAA has also considered the potential adverse impacts of the preferred alternative and anticipates that there would be no significant adverse impacts to biological and physical resources, cultural and historic resources, or socioeconomic resources.

NOAA's identification of Alternative 1 as the preferred alternative is based on

the need for additional resource protection, scientific research, and public education in areas that would be excluded by selecting the boundaries of Alternatives 2 or 3. Alternative 1 includes the MEA, an area which would benefit from the establishment of a NOAA permitting process, and the promulgation of sanctuary regulations to protect resources. Alternative 1 also includes the waters of Midway Atoll and Hawaiian Islands National Wildlife Refuges National Wildlife Refuges, which are the areas of the proposed sanctuary subject to the highest level of human activity.

Based on the public comments NOAA receives on the draft designation documents and NOAA's experience administering the national marine sanctuary program, pursuant to NEPA and the Administrative Procedure Act, NOAA may choose to select a different alternative in the final rule and final EIS that is within the geographic and regulatory scope of the alternatives currently considered in the DEIS, and that is a logical outgrowth of this proposed rule.

## II. Proposed Sanctuary Terms of Designation

Section 304(a)(4) of the NMSA as amended, 16 U.S.C. 1434(a)(4), requires that the terms of designation be described at the time a sanctuary is designated, including: (1) the geographic area proposed to be included within the sanctuary; (2) the characteristics of the area that give it conservation, recreational, ecological, historical, research, educational, or aesthetic value; and (3) the types of activities that will be subject to regulation by the Secretary of Commerce to protect these characteristics. The following represents the proposed terms of designation:

Under the authority of the National Marine Sanctuaries Act, as amended (the "Act" or "NMSA"), 16 U.S.C. 1431 *et seq.*, approximately 439,910 square nmi (582,570 square mi) of the waters of the Pacific Ocean surrounding the Northwestern Hawaiian Islands are hereby designated as a National Marine Sanctuary for the purpose of providing long-term protection and management of the ecological, cultural, and historical resources and the conservation, recreational, scientific, educational, and aesthetic qualities of the area.

### Article I: Effect of Designation

The NMSA authorizes the issuance of such regulations as are necessary and reasonable to implement the designation, including managing and protecting the ecological, cultural, and

historical resources and the conservation, recreational, scientific, educational, and aesthetic qualities of Papahānaumokuākea National Marine Sanctuary (the "Sanctuary"). Section 1 of Article IV of these terms of designation lists those activities that may be regulated on the effective date of designation, or at some later date, in order to protect Sanctuary resources and qualities. Listing an activity does not necessarily mean that it will be regulated. However, if an activity is not listed it may not be regulated, except on an emergency basis, unless section 1 of Article IV is amended by the same procedures by which the original Sanctuary designation was made.

### Article II: Description of the Area

The sanctuary encompasses the submerged lands, seamounts, and Pacific Ocean waters from the shoreline seaward to approximately 200 nautical miles west of 163° West Longitude surrounding the Northwestern Hawaiian Islands which consist of the islands, atolls, and emergent lands stretching from Nihoa in the southeast to Hōlanikū (Kure Atoll) in the northwest. The marine waters east of 163° West Longitude surrounding Nihoa extend seaward from the shoreline to approximately 50 nautical miles. The total area of the sanctuary comprises approximately 582,570 square miles (439,910 square nautical miles). The precise boundary coordinates are defined in appendix A to the regulations at 15 CFR part 922, subpart W.

### Article III: Special Characteristics of the Area

Papahānaumokuākea is a place of special national significance that provides large-scale ecosystem services for the region and the world. The marine habitat includes several interconnected ecosystems, including coral islands surrounded by shallow reef, deeper reef habitat characterized by seamounts, banks, and shoals scattered across the area of the sanctuary, mesophotic reefs with extensive algal beds, pelagic waters connected to the greater North Pacific Ocean, and deep-water habitats and abyssal plains 5,000 meters below sea level. These connected ecosystems provide essential habitats for rare species such as the threatened green sea turtle and the critically endangered Hawaiian monk seal, as well as habitat for more than 14 million seabirds that forage in the pelagic waters to nourish the chicks they are raising on the tiny islets. Papahānaumokuākea is home to 20 cetacean species, protected by the MMPA, with some listed as endangered under the ESA. At least a

quarter of the nearly 7,000 known marine species found in the region are found nowhere else on Earth.

The area of the proposed sanctuary is also a place of historic and cultural significance. The area of the proposed sanctuary includes the location of the Battle of Midway, a turning point in World War II for the allies in the Pacific Theater. Research indicates that 60–80 military vessels and hundreds of aircraft are scattered across the seafloor. In addition to Navy steamers and aircraft, there are whaling ships, Japanese junks, Hawaiian fishing sampans, Pacific colliers, and other vessels from the 19th and 20th centuries.

Papahānaumokuākea is also a sacred place to Native Hawaiians, who regard the islands and wildlife as *kūpuna*, or ancestors. The region holds deep cosmological and traditional significance to living Native Hawaiian culture and contains a host of intact and significant archaeological sites found on the islands of Nihoa and Mokumanamana, both of which are on the National Register of Historic Places and Hawai'i Register of Historic Places. Papahānaumokuākea is as much a spiritual as a physical geography, rooted deep in Native Hawaiian creation and settlement stories.

#### Article IV: Scope of Regulations

##### Section 1. Activities Subject to Regulation

The following activities are subject to regulation, including prohibition, as may be necessary to ensure the protection and effective management of the ecological, cultural, historical, conservation, recreational, scientific, educational, or aesthetic resources or qualities of the area:

1. Access to the sanctuary;
2. Ship reporting;
3. Vessel monitoring;
4. Vessel discharge;
5. Exploring for, developing, or producing oil, gas, or minerals, or any energy development activities;
6. Using or attempting to use poisons, electrical charges, or explosives in the collection or harvest of a sanctuary resource;
7. Introducing or otherwise releasing an introduced species from within or into the sanctuary;
8. Deserting a vessel;
9. Commercial fishing;
10. Non-commercial fishing;
11. Possessing fishing gear;
12. Anchoring on or having a vessel anchored on any living or dead coral with an anchor, anchor chain, or anchor rope;
13. Drilling into, dredging, or otherwise altering the submerged lands;

or constructing, placing, or abandoning any structure, material, or other matter on the submerged lands;

14. Removing, moving, taking, harvesting, possessing, injuring, disturbing, or damaging; or attempting to remove, move, take, harvest, possess, injure, disturb, or damage any living or nonliving sanctuary resource;
15. Attracting any living sanctuary resource;
16. Touching coral, living or dead;
17. Swimming, snorkeling, or closed or open circuit SCUBA diving; or
18. Discharging or depositing any material or other matter, or discharging or depositing any material or other matter outside of the sanctuary that subsequently enters the sanctuary and injures or has the potential to injure any resources of the sanctuary;
19. Anchoring a vessel;
20. Native Hawaiian practices;
21. Research and scientific exploration;
22. Scientific research and development by Federal agencies;
23. Activities that will further the educational value of the sanctuary or will assist in the conservation and management of the sanctuary; and
24. Recreational activities.

Listing an activity here means that the Secretary of Commerce can regulate the activity, after complying with all applicable laws, without going through the designation procedures required by paragraphs (a) and (b) of section 304 of the NMSA. No term of designation issued under the authority of the NMSA may take effect in Hawaii State waters within the Sanctuary if the Governor of Hawaii certifies to the Secretary of Commerce that such term of designation is unacceptable within the review period specified in the NMSA.

##### Section 2. Emergencies

Where necessary to prevent or minimize the destruction of, loss of, or injury to a Sanctuary resource or quality, or to minimize the imminent risk of such destruction, loss, or injury, any and all activities, including those not listed in section 1, are subject to immediate temporary regulation, including prohibition.

#### Article V: Alteration of This Designation

The terms of designation, as defined under section 304(a)(4) of the NMSA, may be modified only by the same procedures by which the original designation is made, including public hearings, consultations with interested Federal, Tribal, State, regional, and local authorities and agencies, review by the appropriate Congressional committees, and approval by the Secretary of Commerce, or his or her designee.

### III. Summary of Proposed Regulations

#### A. Adding New Subpart W

NOAA is proposing to amend 15 CFR part 922 by adding a new subpart (subpart W) that contains site-specific regulations for the proposed sanctuary. This subpart would include the proposed boundary, contain definitions of common terms used in the new subpart, identify prohibited activities and exceptions, and establish procedures for permitting otherwise prohibited activities.

#### B. Proposed Sanctuary Boundary

NOAA proposes to designate the marine environment surrounding the Northwestern Hawaiian Islands from the shoreline of the islands and atolls seaward to 200 nautical miles, including all waters of the Monument. NOAA estimates the area encompassed in the proposed designation is approximately 582,570 square miles (439,910 square nautical miles).

#### C. Definitions

This proposed rule incorporates and adopts common terms defined in the national regulations at 15 CFR 922.11. In addition, NOAA proposes to include 19 site-specific definitions. To the extent that a term appears in § 922.11 and the definitions section of the proposed rule, the definition in the proposed rule would govern.

- The definitions for “Bottomfish Species” and “Pelagic Species” are adopted from regulations for Fisheries in the Western Pacific, 50 CFR 665.201 and 50 CFR 665.800.
- “Ecological integrity”, “Midway Atoll Special Management Area”, “Native Hawaiian practices”, “Pono”, “Recreational activity”, “Special Preservation Area (SPA)”, “Stowed and not available for immediate use”, “Sustenance fishing”, and “Vessel monitoring system or VMS”, are adopted from Presidential Proclamation 8031.
- “Commercial fishing” and “Non-commercial fishing” are adopted from the MSA and, in part, from regulations for Fisheries in the Western Pacific, 50 CFR 665.12.
- “Particularly Sensitive Sea Area (PSSA)” is adopted from IMO Resolution A.982(24), December 1, 2005.
- “Areas to be avoided (ATBA)” and “Office of Law Enforcement” are adopted from Papahānaumokuākea Marine National Monument regulations, 50 CFR 404.3.
- “Outer Sanctuary Zone (OSZ)” refers to the area of the sanctuary that would extend from approximately 50

nautical miles from all the islands and emergent lands of the Northwestern Hawaiian Islands to the extent of the seaward limit of the United States Exclusive Economic Zone west of 163° West Longitude. This area of the proposed sanctuary would correspond with the area designated as a marine national monument by Presidential Proclamation 9478, referred to as the “Papahānaumokuākea Marine National Monument Expansion” or MEA. NOAA is proposing this definition to provide clarity to the public where there is a regulation that only applies to this area of the sanctuary, and not the entire sanctuary. The name “OSZ” is a placeholder, and NOAA is soliciting public comment on possible names for this area of the proposed sanctuary.

- “Reporting Area” refers to the area of the proposed sanctuary that extends outward ten nautical miles from the PSSA boundary, as designated by the IMO, and excludes the ATBAs that fall within the PSSA boundary. The reporting area is defined by the coordinates set forth in appendix E to the proposed rule. NOAA is proposing to define the “reporting area” to clarify in which areas of the proposed sanctuary ship reporting requirements apply.

- “Scientific instrument” is a term used in Presidential Proclamation 9478, but the term was not defined. Specifically, Presidential Proclamation 9478 prohibits “drilling into, dredging, or otherwise altering the submerged lands, or constructing, placing, or abandoning any structure, material, or other matter on the submerged lands, except for scientific instruments”. NOAA proposes to define “scientific instrument” to clarify what may or may not be permitted. NOAA proposes to define “scientific instrument” to mean “a device, vehicle, or tool used for scientific purposes and is inclusive of structures, materials, or other matter incidental to proper use of such device, vehicle, or tool.” In defining “scientific instruments,” NOAA’s definition provides for the inclusion of “structures, materials, or other matter incidental to proper use of such device, vehicle, or tool” because, based on the type of activities previously permitted in the Monument, proper deployment and use of most scientific instruments requires more than the instrument itself. For example, there may be incidental ballast discharge associated with the use of a scientific instrument like a remotely operated vehicle, or ROV. A narrower definition of “scientific instruments” could unduly restrict NOAA’s ability to permit activities in the area of the proposed sanctuary that overlaps with

the MEA, the OSZ. NOAA believes a narrower definition would be inconsistent with the intent of Presidential Proclamation 9478, which states “Undisturbed seamount communities in the adjacent area are of significant scientific interest because they provide opportunities to examine the impacts of physical, biological, and geological processes on ecosystem diversity, including understanding the impacts of climate change on these deep-sea communities. These seamounts and ridges also provide the opportunity for identification and discovery of many species not yet known to humans, with possible implications for research, medicine, and other important uses. Recent scientific research, utilizing new technology, has shown that many species identified as objects in Proclamation 8031 inhabit previously unknown geographical ranges that span beyond the existing Monument, and in some cases the adjacent area also provides important foraging habitat for these species.” These statements clearly demonstrate the significant scientific value of the MEA and underscore the opportunities for research and discovery to occur in that area of the proposed sanctuary.

#### *D. Co-Management of the Sanctuary*

To enhance opportunities and build on existing protections, NOAA and the State of Hawai‘i would collaboratively manage the sanctuary. NOAA would establish the framework for co-management in section 922.242 of the proposed rule and may develop a Memorandum of Agreement (MOA) with the State of Hawai‘i to provide greater details of the terms of co-management. NOAA and the State may develop additional agreements as necessary to provide details on the execution of sanctuary management, such as activities, programs, and permitting that can be updated to adapt to changing conditions or threats to the sanctuary resources. Any proposed changes to sanctuary regulations or boundaries would be coordinated with the State and subject to public review as mandated by the NMSA and other Federal statutes. Co-management of the proposed sanctuary with the State of Hawaii would not supplant the existing co-management structure for the Monument.

#### *E. Access*

In PMNM, pursuant to Presidential Proclamation 8031, access is prohibited except under the following circumstances: (1) for emergency response and law enforcement purposes; (2) for activities and exercises

of the Armed Forces; (3) for persons who have been issued Monument permits; and (4) for passage without interruption. For consistency, and to protect sanctuary resources, NOAA proposes extending the access restrictions which apply to the area of the proposed sanctuary that overlaps the PMNM to the area of the proposed sanctuary that overlaps with the MEA as follows:

Access to the sanctuary would be prohibited and thus unlawful except under the following circumstances: (1) for emergency response actions, law enforcement activities, and activities and exercises of the Armed Forces; (2) pursuant to a sanctuary permit; (3) when conducting non-commercial fishing activities in the OSZ authorized under the Magnuson-Stevens Fishery Conservation and Management Act provided that no sale of harvested fish occurs; and (4) when passing through the sanctuary without interruption.

A vessel may pass without interruption through the sanctuary without requiring a permit as long as the vessel does not stop, anchor or engage in prohibited activities within the sanctuary, and vessel discharges are limited to the following:

- Vessel engine cooling water, weather deck runoff, and vessel engine exhaust within a Special Preservation Area or the Midway Atoll Special Management Area; and
- Discharge incidental to vessel operations such as deck wash, approved marine sanitation device effluent, cooling water, and engine exhaust in areas other than Special Preservation Areas or the Midway Atoll Special Management Area.

A vessel passing through the sanctuary without interruption may be subject to the ship reporting system, as described below.

The proposed access restrictions would be applied in accordance with generally recognized principles of international law, in accordance with sections 305(a) and 307(k) of the NMSA and the NMSA’s Regulations of General Applicability at 15 CFR 922.1(b). No regulation shall apply to or be enforced against a person who is not a citizen, national, or resident alien of the United States vessels unless in accordance with generally recognized principles of international law.

#### *F. Ship Reporting*

NOAA also proposes regulations to implement the ship reporting system (CORAL SHIPREP) adopted by the International Maritime Organization (IMO), which would require entrance and exit notifications for vessels that

pass without interruption through the sanctuary areas contained within a reporting area. NOAA proposes to establish this reporting area, which would be defined as “the area of the proposed sanctuary that extends outward ten nautical miles from the PSSA [Particularly Sensitive Sea Area] boundary, as designated by the IMO, and excludes the ATBAs [Areas to be avoided] that fall within the PSSA boundary.” The reporting area would be further defined by the coordinates set forth in appendix E to the proposed rule. Appendix E includes a coordinates table for the “Reporting Area Outer Boundary,” which contains the reporting area’s boundary surrounding the PSSA. Appendix E also includes coordinate tables for the “Inner Reporting Area Boundary” for each of the four ATBAs that fall within the PSSA, but which are not part of the reporting area.

NOAA proposes exemptions for emergency response and law enforcement purposes, and for activities and exercises of the Armed Forces. Therefore, CORAL SHIPREP’s requirements would not apply to vessels covered by those exemptions. The proposed regulations do not apply to vessels conducting activities pursuant to a sanctuary permit or vessels conducting non-commercial fishing activities in the OSZ authorized under the Magnuson-Stevens Fishery Conservation and Management Act. The proposed regulations also do not apply to sovereign immune vessels. This is consistent with sections 305(a) and 307(k) of the NMSA, and the NMSA’s Regulations of General Applicability at 15 CFR 922.1(b), which state that sanctuary regulations shall be applied in accordance with generally recognized principles of international law. No regulation shall apply to or be enforced against a person who is not a citizen, national, or resident alien of the United States vessels unless in accordance with generally recognized principles of international law.

Requiring vessels to notify NOAA immediately upon entering the reporting area, will help make the operators of these vessels aware that they are traveling through a fragile area with potential navigational hazards such as the extensive coral reefs found in many shallow areas of the proposed sanctuary contained within the reporting area. The reporting area for the proposed sanctuary would not include the four voluntary ATBAs adopted by the IMO that are also within the PSSA. An ATBA is an area within which either navigation is particularly hazardous or it is exceptionally important to avoid

casualties. While ATBAs can be mandatory (*i.e.*, vessels are required by applicable law to avoid and operate outside of the area) most are voluntary and vessels may travel through them. Because the four ATBAs in the PSSA are voluntary, as adopted by the IMO and implemented by these proposed regulations, the ATBAs are outside of the reporting area. Nonetheless, by virtue of entering or exiting an ATBA, vessels would also be departing or entering the reporting area, and, therefore be subject to the reporting area’s requirements four times: (1) once when it enters the reporting area; (2) once when it leaves the reporting area to enter the ATBA; (3) once when it exits the ATBA and enters the reporting area on the other side of the ATBA; and (4) once when it once again leaves the reporting area. The potential burden of reporting four times is justified by the navigational hazards that exist within the ATBAs. The reporting area also includes three large areas within the PSSA that are not within the ATBAs. These breaks between the four ATBAs allow for north-south passages through the sanctuary areas contained within the reporting area that can be utilized for navigation to avoid ATBAs. Vessels passing through the sanctuary in these areas would only send email notification twice: once upon entering the reporting area, and again upon leaving the reporting area.

NOAA is proposing to implement CORAL SHIPREP’s requirements under the NMSA in keeping with the United States’ and IMO’s long-standing interest in providing additional protection to the natural, cultural, and historic resources in PMNM through ship reporting requirements. In June 2006, Presidential Proclamation 8031 directed the Secretary of Commerce and Secretary of Interior to require notification from any person passing through PMNM without interruption at least 72 hours, but no longer than 1 month, prior to the entry date, and within 12 hours of departure. Presidential Proclamation 8031 further indicated the specific types of information that must be provided in the notification. These notification requirements were subsequently codified in 50 CFR 404.4. Presidential Proclamation 8031 also directed the Secretary of State, in consultation with the Secretary of Commerce and Secretary of Interior, to seek the cooperation of other governments and international organizations in furtherance of the purposes of the proclamation and consistent with applicable regional and multilateral

arrangements for the protection and management of special marine areas.

In accordance with Proclamation 8031, in April 2007, the United States proposed to the IMO that PMNM be designated as a PSSA to protect the attributes of the fragile and integrated coral reef ecosystem from potential hazards associated with international shipping activities. The U.S. noted in its proposal that the proposed PSSA and its associated protective measures would result in a minimal burden to international shipping, would significantly further increase maritime safety, protection of the fragile environment, preservation of cultural resources and areas of cultural importance significant to Native Hawaiians, and would facilitate responses to developing maritime emergencies. On April 3, 2008, the IMO designated the PMNM as a PSSA. As part of the PSSA designation process, the IMO adopted U.S. proposals for associated protective measures consisting of expanding and consolidating the six existing recommendatory ATBAs in the PMNM into four larger areas and enlarging the class of vessels to which they apply and establishing a ship reporting area and system for vessels transiting the PMNM, which is mandatory for ships 300 gross tons or greater that are entering or departing a U.S. port or place and recommended for other ships. The system requires that ships notify the U.S. shore-based authority (*i.e.*, the U.S. Coast Guard; NOAA will be receiving all messages associated with this program on behalf of the Coast Guard) at the time they begin transiting the reporting area and again when they exit. In December 2008, NOAA and the USFWS published final regulations to establish a ship reporting system for PMNM, that implemented measures adopted by the IMO requiring notification by ships passing through PMNM without interruption (73 FR 73592). These regulations modified the previous notification requirements at 50 CFR 404.4.

NOAA is proposing to implement the ship reporting system as adopted by the IMO and to establish the reporting area using the boundary coordinates in appendix E to the proposed rule to provide additional protection to the natural, cultural, and historic resources in the proposed sanctuary. Accordingly, NOAA’s proposed regulations build upon the requirements outlined in Presidential Proclamation 8031, and reflect additions made through the IMO’s adoption of a ship reporting system and the implementation of that system in 50 CFR 404.4. NOAA

proposes minor language changes from the process adopted by IMO Resolution MEPC.171(57) and IMO Resolution MSC.279(85) to provide clarity to the public on which vessels are required to participate in ship reporting and the type of information that should be reported. NOAA proposes one substantive addition to the types of reporting information in the IMO Resolutions, that vessels report “[a]ny pollution incident or goods lost overboard within the PSSA, the reporting area, or the U.S. EEZ.” This addition was included in the December 2008 final regulations to establish a ship reporting system for PMNM.

The NMSA provides NOAA with the authority to designate a national marine sanctuary and promulgate regulations implementing the designation if NOAA determines, among other things, that the area is of special national significance (see 16 U.S.C. 1433(a)(2)). NOAA’s determination of special national significance is to be based on (1) the area’s conservation, recreational, ecological, historical, scientific, cultural, archaeological, educational, or aesthetic qualities; (2) the communities of living marine resources it harbors; or (3) its resource or human-use values. In designating PMNM as a PSSA, the IMO expressly recognized the ecological, socio-economic, and scientific attributes of the area—including, a “unique, fragile, and pristine coral reef ecosystem” and “significant cultural and archaeological resources”—and their vulnerability to international shipping activities (see IMO Resolution MEPC.171(57)). The IMO highlighted PMNM’s (1) more than 7,000 species of fish, mammals, plants, coral, and other invertebrates; (2) critical habitat, spawning, and breeding grounds; (3) cultural significance to Native Hawaiians, rich underwater cultural heritage from the World War II Battle of Midway; and (4) unparalleled opportunities in scientific research. Given the IMO’s findings in designating the PSSA and adopting a ship reporting system as an associated protective measure, NOAA’s proposed regulations implementing CORAL SHIPREP are necessary and reasonable to conserve and manage this area of special national and international significance as part of the proposed sanctuary (see 16 U.S.C. 1434(a)(1)(A)).

#### *G. Activities That Are Prohibited or Otherwise Regulated*

NOAA is proposing to supplement and complement existing management of this area by proposing prohibited or otherwise regulated activities in section 922.244. Presidential Proclamations

8031, 8112, and 9478, and regulations implementing Presidential Proclamations 8031 and 8112 at 50 CFR part 404 provide the foundation for the proposed prohibitions. However, minor changes are made in the proposed rule to remove discrepancies and gaps in prohibitions and regulated activities between PMNM and the MEA in order to allow for consistency in management across the proposed sanctuary.

Within PMNM, the proposed prohibitions are all currently in place through 50 CFR part 404 except for prohibitions 1 and 4 (detailed below). Minor changes are proposed to prohibitions 1 and 4 to remove discrepancies across the two zones (PMNM and MEA). Regulations implementing Presidential Proclamation 9478 have not yet been promulgated for the MEA. Many of the prohibitions adopted in the proposed rule are identified in Presidential Proclamation 9478, which established the MEA. Any prohibitions proposed for the area of the proposed sanctuary that overlaps with the MEA that are not adopted directly from Presidential Proclamation 9478 are identified below.

#### 1. Prohibition on Exploring for, Developing, or Producing Oil, Gas, or Minerals, or Any Energy Development Activities

Consistent with the presidential proclamations establishing the Monument, NOAA is proposing to prohibit exploring for, developing, or producing oil, gas, or minerals to protect sanctuary resources and create a seamless management area throughout the proposed sanctuary. The addition of the prohibition on ‘any energy development activities’ would be new for PMNM, and was added to further the underlying intent of the prohibition on oil, gas, and mineral development by accounting for technological advances in other forms of energy development.

In addition to creating consistency across the two zones, this prohibition will help advance the proposed sanctuary’s draft goals and objectives by protecting sensitive marine ecosystems such as fragile coral reefs and deep-sea corals, benthic habitat, and seamounts. Prohibiting oil, gas, and mineral development reduces the risk of offshore spills, such as the Deepwater Horizon oil spill, that could significantly harm sanctuary resources. Deep seabed mining, oil and gas drilling, and other energy development activities, such as renewable energy system installation, destroys fragile benthic habitat, releases sequestered carbon, and spreads sediment plumes that can suffocate both sensitive shallow

and deep-sea coral reefs, which negatively impacts nursery and foraging habitat for fish, and reduces the ecosystem’s overall resilience.

#### 2. Prohibition on Using or Attempting To Use Poisons, Electrical Charges, or Explosives in the Collection or Harvest of a Sanctuary Resource

NOAA is proposing this prohibition to be consistent with prohibitions identified in the presidential proclamations establishing the Monument.

#### 3. Prohibition on Introducing or Otherwise Releasing an Introduced Species From Within or Into the Sanctuary

NOAA is proposing this prohibition to be consistent with prohibitions identified in the presidential proclamations establishing the Monument.

#### 4. Prohibition on Deserting a Vessel

Deserting a vessel is currently a regulated activity (allowed only with a permit) in PMNM pursuant to Presidential Proclamation 8031. Deserting a vessel is a prohibited activity in the MEA pursuant to Presidential Proclamation 9478. NOAA does not see a need to permit this activity and is proposing this prohibition in part to create consistency in management across the proposed sanctuary. Prohibiting this activity would help to prevent desertion of a vessel following a sinking, grounding, or other incident. Prevention is much less expensive than responding to a deserted vessel and can optimally prevent impacts and damage to sanctuary resources as well as to private property.

#### 5. Prohibition on Anchoring on or Having a Vessel Anchored on Any Living or Dead Coral With an Anchor, Anchor Chain, or Anchor Rope

NOAA is proposing this prohibition to be consistent with prohibitions identified in the presidential proclamations establishing the Monument.

#### 6. Prohibition on Commercial Fishing and Possessing Commercial Fishing Gear Except When Stowed and Not Available for Immediate Use

Presidential Proclamation 8031 provided that commercial fishing for bottomfish and pelagic fish in PMNM that was permitted by NOAA prior to June 16, 2006 was allowed to continue for 5 years from the date of the proclamation, until June 15, 2011. After that date, Presidential Proclamation 8031 prohibited commercial fishing for

bottomfish and associated pelagic species in PMNM. Presidential Proclamation 9478 also prohibits commercial fishing, as well as possessing commercial fishing gear except when stowed and not available for immediate use during passage without interruption in the MEA. NOAA is proposing a sanctuary-wide prohibition on commercial fishing and possessing commercial fishing gear except when stowed and not available for immediate use to be consistent with the presidential proclamations establishing the Monument.

#### 7. Prohibition on Non-Commercial Fishing and Possessing Non-Commercial Fishing Gear Except When Stowed and Not Available for Immediate Use

The presidential proclamations establishing the Monument broadly restrict the harvest of fishery resources by prohibiting removing, moving, taking, harvesting, possessing, injuring, disturbing, or damaging any living or nonliving monument resource, as well as attempts to do the same, except as may be allowed with a permit. As noted above, Presidential Proclamations 8031 and 9478 further specify prohibitions on commercial fishing and the possession of commercial fishing gear. The presidential proclamations also identify certain types of non-commercial fishing that may be regulated (*i.e.*, allowed pursuant to a permit or incidental to a permitted activity). Presidential Proclamation 8031, for example, authorizes sustenance fishing incidental to an activity permitted in PMNM. Presidential Proclamation 9478, for example, provides that non-commercial fishing is a regulated activity (*i.e.*, allowed only with a permit) in the MEA. In the sanctuary, NOAA is proposing, for consistency with the proclamations, that “non-commercial fishing” is prohibited unless conducted pursuant to a sanctuary permit or, as discussed below, authorized under the Magnuson-Stevens Fishery Conservation and Management Act (MSA) in the OSZ. The proposed rule adopts the definition of “non-commercial fishing” from the regulations for Fisheries in the Western Pacific, which is defined as “fishing that does not meet the definition of commercial fishing in the Magnuson-Stevens Fishery Conservation and Management Act, and includes, but is not limited to, sustenance, subsistence, traditional indigenous, and recreational fishing.” 50 CFR 665.12.

NOAA also proposes that “possessing non-commercial fishing gear except when stowed and not available for immediate use” is prohibited unless

conducted pursuant to a sanctuary permit or, as discussed below, authorized under the MSA in the OSZ. Presidential Proclamation 8031 includes “possessing fishing gear,” as a regulated activity (allowed only with a permit) in PMNM. Presidential Proclamation 9478 prohibits possessing commercial fishing gear. NOAA’s proposal creates continuity between the two areas, and aims to ensure that non-commercial gear is not utilized in an unauthorized manner that could lead to injury to sanctuary resources.

#### 8. Prohibition on Drilling Into, Dredging, or Otherwise Altering the Submerged Lands; or Constructing, Placing, or Abandoning Any Structure, Material, or Other Matter on the Submerged Lands

This activity is a regulated activity (*i.e.*, allowed only with a permit) in PMNM under Presidential Proclamation 8031. In the MEA, Presidential Proclamation 9478 prohibits this type of activity, except for when conducted for the use of scientific instruments, which is allowed only with a permit, subject to such terms and conditions as the Secretaries deem appropriate. In the sanctuary, NOAA is proposing that these activities are prohibited unless conducted pursuant to a sanctuary permit. In the OSZ, such a permit may only be issued for scientific instruments.

#### 9. Prohibition on Removing, Moving, Taking, Harvesting, Possessing, Injuring, Disturbing, or Damaging; or Attempting To Remove, Move, Take, Harvest, Possess, Injure, Disturb, or Damage Any Living or Nonliving Sanctuary Resource

NOAA is proposing that these activities are prohibited unless conducted pursuant to a sanctuary permit, consistent with the presidential proclamations establishing the Monument.

#### 10. Prohibition on Attracting Any Living Sanctuary Resource

NOAA is proposing that these activities are prohibited unless conducted pursuant to a sanctuary permit. NOAA is proposing this prohibition to be consistent with a regulated activity identified in Presidential Proclamation 8031 for PMNM. This prohibition would be new in the area of sanctuary that overlaps with the MEA, the OSZ. Prohibiting this activity is intended to address the potential for harassment and disturbance from human interactions with living sanctuary resources.

#### 11. Prohibition on Touching Coral, Living or Dead

NOAA is proposing that this activity is prohibited unless conducted pursuant to a sanctuary permit. NOAA is proposing this prohibition to be consistent with a regulated activity (*i.e.*, allowed only with a permit) identified in Presidential Proclamation 8031 for PMNM. This prohibition would be new for the area of sanctuary that overlaps with the MEA, the OSZ. However, prohibition 9 effectively includes this activity, as touching coral is considered a disturbance which may cause injury or damage. Therefore, regulating this activity for the area of the proposed sanctuary that overlaps with the MEA, the OSZ, is primarily a technical addition which provides clarity to the public and resource managers.

#### 12. Prohibition on Swimming, Snorkeling, or Closed or Open Circuit SCUBA Diving

NOAA is proposing that these activities are prohibited unless conducted pursuant to a sanctuary permit. NOAA is proposing this prohibition to be consistent with a regulated activity identified in Presidential Proclamation 8031 for any Special Preservation Area or the Midway Atoll Special Management Area. This prohibition would be new for areas of PMNM that fall outside of any Special Preservation Area or the Midway Atoll Special Management Area, and for the MEA. Expanding this regulated activity to the entire area of the proposed sanctuary allows NOAA to ensure that all in-water activities are done in compliance with the permit findings criteria and requirements, and are consistent with the care and management of sanctuary resources.

#### 13. Prohibition on Discharging or Depositing Any Material or Other Matter Into the Sanctuary, or Discharging or Depositing Any Material or Other Matter Outside of the Sanctuary That Subsequently Enters the Sanctuary and Injures or Has the Potential To Injure Any Resources of the Sanctuary, Except as Described for Vessel Passage Without Interruption

NOAA is proposing that these activities are prohibited unless conducted pursuant to a sanctuary permit. NOAA is proposing this prohibition to be consistent with regulated activities identified in Presidential Proclamation 8031 for PMNM. NOAA proposes an exception to this activity for vessel passage without interruption, so long as any discharge is limited to “vessel engine cooling water,



weather deck runoff, and vessel engine exhaust within Special Preservation Areas or the Midway Atoll Special Management Area; and discharge incidental to vessel operations such as deck wash, approved marine sanitation device effluent, cooling water, and engine exhaust in areas other than Special Preservation Areas or the Midway Atoll Special Management Area.” While this prohibition would technically be new for the area of the proposed sanctuary that overlaps with the MEA, the OSZ, Presidential Proclamation 9478 effectively includes this activity. Regulating this activity for the OSZ provides clarity to the public and resource managers. Further, the prohibition on discharges within or into the sanctuary is proposed in recognition that various substances can be discharged from vessels or from infrastructure or individuals along the shoreline that can harm sanctuary resources or qualities. Establishing a cohesive regulatory framework across the proposed sanctuary would benefit sanctuary resources and sanctuary users.

#### 14. Prohibition on Anchoring a Vessel

NOAA is proposing that this activity is prohibited unless conducted pursuant to a sanctuary permit. While this activity may be permitted via a sanctuary permit, anchoring on living or dead coral may never be permitted, as noted above under prohibition 5. NOAA is proposing this prohibition on anchoring a vessel, for consistency with a regulated activity identified in Presidential Proclamation 8031 for PMNM and because there is the potential for sanctuary resources, other than corals, to be impacted by anchoring. This prohibition would be new for the area of the proposed sanctuary that overlaps with the MEA, the OSZ. As stated above in Section E, NOAA proposes that a vessel may pass through the sanctuary without requiring a permit as long as the vessel does not stop, anchor or engage in prohibited activities within the sanctuary. Therefore, including this prohibition on anchoring a vessel also provides clarity to the public, resource managers, and enforcement personnel that all users of the proposed sanctuary—vessels conducting passage without interruption and permittees—are subject to the same prohibition on anchoring a vessel unless conducted pursuant to a sanctuary permit.

#### H. Exemptions for Emergencies

Consistent with existing management of this area, the proposed prohibitions for the proposed sanctuary would not

apply to any activity necessary to respond to emergencies that threaten life, property, or the environment, or to activities necessary for law enforcement purposes.

#### I. U.S. Armed Forces Exemption

Consistent with existing management of this area, NOAA proposes a broad exemption to allow activities and exercises of the U.S. Armed Forces, including those carried out by the U.S. Coast Guard. NOAA recognizes that this broad exemption is necessary to ensure military readiness for the Department of Defense to conduct existing training, operations, and military readiness activities in the area proposed to be designated as a national marine sanctuary. The United States military has been able to maintain readiness and conduct training and other operations in other national marine sanctuaries based on similar broad exemptions.

All activities and exercises of the Armed Forces shall be carried out in a manner that avoids, to the extent practicable and consistent with operational requirements, adverse impacts on sanctuary resources and qualities. For any actions of the Armed Forces that are likely to destroy, cause the loss of, or injure sanctuary resources, the Armed Forces must comply with the Interagency Cooperation requirements outlined in section 304(d) of the NMSA, regardless of whether those actions are exempted from the proposed sanctuary’s prohibitions.

#### J. Exemption for Non-Commercial Fishing

NOAA is proposing to exempt non-commercial fishing authorized under the MSA in the area of the sanctuary that overlaps with the MEA, the OSZ, from prohibitions 7 through 14 in the proposed rule, provided that no sale of harvested fish occurs. NOAA has prepared a separate proposed rule under the MSA which shall serve as the primary mechanism for authorizing non-commercial fishing activities. NOAA would periodically evaluate the effect of non-commercial fishing activities on sanctuary resources. Such evaluations would take into consideration the best scientific information available and evaluate whether additional actions are necessary for the proper care and management of Sanctuary resources, including fishery resources, consistent with goals and objectives of the Sanctuary. This exemption would only apply to the OSZ.

#### K. Sanctuary Permit Procedures and Criteria

##### 1. Sanctuary General Permits

NOAA is proposing to include authority to issue sanctuary general permits to allow certain activities that would otherwise violate prohibitions 7 through 14. The proposed permitting system is modeled after the existing Monument permitting system. The proposed permitting system would not supplant the joint permitting system for PMNM, and was developed to ensure a continued joint permitting system administered by Monument co-managers. NOAA may develop Memorandum of Agreements in the future to add further clarification on joint-permitting within portions of the sanctuary that overlap with existing permitting programs for the Monument.

National marine sanctuary program-wide regulations at 15 CFR 922.30 describe different purposes for which a sanctuary general permit can be issued. Three of these which would apply to this proposed sanctuary are:

- Research—activities that constitute scientific research or scientific monitoring of a national marine sanctuary resource or quality;
- Education—activities that enhance public awareness, understanding, or appreciation of a national marine sanctuary or national marine sanctuary resource or quality; and
- Management—activities that assist in managing a national marine sanctuary.

NOAA is proposing to add two additional permit categories to 15 CFR 922.30 under which a sanctuary general permit could be issued in the proposed sanctuary:

- Native Hawaiian Practices—activities that allow for Native Hawaiian practices within the proposed sanctuary; and
- Recreation—recreational activities within the proposed sanctuary limited to the Midway Atoll Special Management Area.

NOAA is proposing these two additional general permit categories to be consistent with the types of activities permitted for the PMNM.

The general regulations in 15 CFR part 922, subpart D, relating to the permit application process, review procedures, amendments, and other permitting stipulations would apply. These national permitting regulations include a list of factors NOAA considers in deciding whether or not to issue the permit, such as whether the activity must be conducted within the sanctuary, and whether the activity will be compatible with the primary

objective of protection of sanctuary resources and qualities. NOAA would be able to impose specific terms and conditions through a permit as appropriate.

In addition to permit review procedures and evaluation criteria in 15 CFR 922.33, some additional permit review criteria would apply in the proposed sanctuary, including additional criteria specific to Native Hawaiian Practices permits and Recreation permits. NOAA is proposing these additional permit criteria to be consistent with the permit criteria for PMNM.

## 2. Special Use Permits

NOAA has the authority to issue special use permits (SUPs) in national marine sanctuaries, as established by section 310 of the NMSA (16 U.S.C. 1441) and by 15 CFR 922 subpart D. SUPs can be used to authorize specific activities in a sanctuary if such authorization is necessary to establish conditions of access to, and use of, any sanctuary resource or to promote public use and understanding of a sanctuary resource. Section 310 of the NMSA establishes four requirements for SUPs: (1) activities must be compatible with the purposes for which the sanctuary is designated and with protection of sanctuary resources; (2) SUPs shall not authorize the conduct of any activity for a period of more than five years unless otherwise renewed; (3) activities carried out under the SUP must be conducted in a manner that does not destroy, cause the loss of, or injure sanctuary resources; and (4) permittees are required to purchase and maintain comprehensive general liability insurance, or post an equivalent bond, against claims arising out of activities conducted under the SUP and to agree to hold the United States harmless against such claims. The NMSA authorizes NOAA to assess and collect fees for the conduct of any activity under an SUP, including costs incurred, or expected to be incurred, in issuing the permit and the fair market value use of sanctuary resources. Implementing regulations at 15 CFR 922.35 provide additional detail on assessment of fees for SUPs. As is the case with sanctuary general permits, NOAA can place conditions on SUPs specific to the activity being permitted. NOAA shall provide appropriate public notice before identifying any category of activity subject to a special use permit.

NOAA is not proposing any new SUP category as part of this designation. In evaluating applications for special use permits, NOAA would consider all applicable permitting requirements,

including permitting procedures and criteria under the Monument's existing management framework. For example, certain activities may be subject to the requirements of special ocean use permits, as authorized by Presidential Proclamation 8031, and issued by Monument managers in the PMNM via 40 CFR 404.11. Special ocean use permit requirements were modeled after SUPs, but also include a few additional requirements, such as for activities within the Midway Atoll Special Management Area.

## 3. Sustainance Fishing

NOAA may authorize sustainance fishing outside of any Special Preservation Area as a term or condition of any sanctuary permit. Sustainance fishing is fishing for bottomfish or pelagic species in which all catch is consumed within the sanctuary. Sustainance Fishing is allowed incidental to an activity permitted in the PMNM under Presidential Proclamation 8031, and in regulations at 50 CFR part 404. Sustainance fishing was not specifically identified in Presidential Proclamation 9478 governing the MEA but is allowable. For consistency in management and permitting, NOAA proposes allowing for this activity as a term or condition of a general permit or special use permit.

## 4. VMS

To complement existing management and provide consistency across the entirety of the sanctuary, an owner or operator of a vessel that has been issued a general permit or special use permit under 15 CFR subpart D must ensure that such vessel has a NOAA Office of Law Enforcement (OLE)-approved Vessel Monitoring System (VMS) on board when operating within the sanctuary. Presidential Proclamation 8031 requires an owner or operator of a vessel that has been issued a permit for accessing the PMNM to have an OLE-approved VMS on board. Such a requirement was not included in Presidential Proclamation 9478. For consistency in permitting, and for the reasons identified below, NOAA proposes to impose this requirement across the proposed sanctuary.

NOAA proposes this requirement to support permit compliance, enforcement, and other incidental uses, consistent with the long-standing history of considering and implementing the use of vessel monitoring systems in the area of the proposed sanctuary, beginning with Executive Order 13178 in 2000. In directing the Secretary to manage the Northwestern Hawaiian Islands Coral

Reef Ecosystem Reserve, section 5(b) of Executive Order 13178 indicated that priority issues and actions must include enforcement and surveillance, including the use of new technologies, as well as the use of vessel monitoring systems, if warranted. The 2005 Final Reserve Operations Plan included an Enforcement Action Plan with strategies to investigate innovative technology that would be effective for this large, remote area, as well as to implement VMS. In 2006, Presidential Proclamation 8031, as noted above, required an OLE-approved VMS on board of vessels with permits to access the PMNM. VMS is currently being utilized in the PMNM and is part of the Monument Management Plan's Enforcement Action Plan. The Monument Management Plan highlights, as an example, that when the 85-foot longliner *Swordman I*, carrying more than 6,000 gallons of diesel fuel and hydraulic oil, ran aground at Pearl and Hermes Reef in 2000, vessel monitoring system technology allowed agents to track the disaster and quickly send out equipment for an extensive cleanup.

## L. Scientific Exploration and Research by the Department of Commerce and the Department of the Interior

Presidential Proclamation 9478 stipulates that the prohibitions required by the proclamation "shall not restrict scientific exploration or research activities by or for the Secretaries and nothing in this proclamation shall be construed to require a permit or other authorization from the other Secretary for their respective scientific activities." NOAA is proposing to exempt these activities within the OSZ to be consistent with Presidential Proclamation 9478.

## M. Other Conforming Amendments

The Regulations of General Applicability at 15 CFR part 922, subpart A, and the regulations related to National Marine Sanctuary Permitting, 15 CFR part 922, subpart D, would have to be amended so that the regulations are accurate and up-to-date. The modified sections to conform to adding a new sanctuary are as follows:

- Section 922.1 Purposes and applicability of the regulations;
- Section 922.4 Boundaries;
- Section 922.6 Prohibited or otherwise regulated activities;
- 922.30 National Marine Sanctuary general permits;
- 922.33 Review procedures and evaluation; and
- 922.37 Appeals of permitting decisions.

#### IV. Requests for Comments

NOAA is requesting comments on this proposed rule, including comments on the terms of designation and the proposed regulations, the DEIS, and the DMP for the proposed sanctuary. NOAA will publish the final EIS and final management plan following public review and comment on this proposed rule and following NOAA's consideration of substantive comments received. NOAA also requests comments on the Regulatory Flexibility Act certification and economic analysis. The preamble of the final rule will include responses to substantive comments received on the proposed rule. The full response to comments, which includes responses to comments made on the proposed rule, the DEIS, and the draft management plan, will be provided as an Appendix to the Final EIS.

Sensitive personally identifiable information, such as account numbers and Social Security numbers, should not be included with the comment. Comments that are not related to designation of the proposed sanctuary or that contain profanity, vulgarity, threats, or other inappropriate language will not be considered.

#### V. Classification

##### A. National Marine Sanctuaries Act

NOAA consulted with the Western Pacific Regional Fishery Management Council (Council) as required by section 304(a)(5) of the NMSA. Through this consultation, NOAA provided the Council with the opportunity to recommend any draft fishing regulations it deemed necessary to implement the proposed sanctuary designation. NOAA initiated the consultation on November 19, 2021. On March 22, 2022, the Council agreed to develop draft fishing regulations for the proposed sanctuary. NOAA participated in six public meetings hosted by the Council on November 1st, 3rd, 4th, 5th, 8th, and 10th of 2022, which were focused on the development of fishing regulations for the area of the proposed sanctuary that overlaps with the MEA. At its 193rd meeting in December of 2022, the Council provided a final recommendation. NOAA found that the final recommendation, in part, did not fulfill the purposes and policies of the NMSA and the goals and objectives of the proposed designation. The Council amended their recommendation during their 194th meeting in March of 2023, and submitted a revised final recommendation to NOAA on April 14, 2023.

In May of 2023, NOAA accepted the majority of the Council's recommendation as it fulfilled the purposes and policies of the NMSA and the goals and objectives of the proposed sanctuary designation. However, the Council's recommendation for the disposition of Native Hawaiian Subsistence Practices Fishing catch, which would provide permit applicants the ability to request limited cost recovery by selling their catch was rejected by NOAA via a decision letter dated May 31, 2023. As NOAA explained in the letter, any recommendation for the allowance of "sale" is inconsistent with the goals and objectives of the proposed sanctuary designation. NOAA Fisheries has prepared a proposed rule under the MSA and ONMS has prepared this proposed rule under the NMSA to reflect the outcome of the NMSA section 304(a)(5) process.

Pursuant to section 304(a)(1)(C) of the NMSA, the Committee on Natural Resources of the House of Representatives, the Committee on Commerce, Science, and Transportation of the Senate, and the Governor of Hawai'i will have the opportunity to review this proposed action.

##### B. National Environmental Policy Act

As described in section I above, NOAA and the State of Hawai'i prepared a DEIS to evaluate the impacts of this proposed action of designating a national marine sanctuary, which considers four alternatives for the proposed designation of a national marine sanctuary in marine portions of the Monument. Copies of the DEIS and related draft management plan are available at the website listed in the ADDRESSES section of this proposed rule. NOAA is also soliciting public comments on the DEIS and DMP. The full response to comments, which includes responses to comments made on the proposed rule, the DEIS, and the draft management plan, will be provided as an Appendix to the Final EIS.

##### C. Executive Orders 12866: Regulatory Impact, 13563 Improving Regulation and Regulatory Review, and 14094: Modernizing Regulatory Review

The Office of Management and Budget (OMB) has determined this proposed rule to be not significant within the meaning of Executive Order 12866, as supplemented by Executive Order 14094.

##### D. Executive Order 13132: Federalism Assessment

NOAA has concluded that this regulatory action does not have federalism implications sufficient to warrant preparation of a federalism assessment under Executive Order 13132 because NOAA supplements and complements State and local laws under the NMSA rather than supersedes or conflicts with them. This proposed rule will not have substantial direct effects on State or local governments. NOAA has coordinated closely with State partners throughout the development of this proposed rule and, where applicable and practicable, the proposed rule aligns with existing State regulations. NOAA has aimed for consistent regulations throughout sanctuary waters including those within State and Federal jurisdiction.

##### E. Regulatory Flexibility Act

The Regulatory Flexibility Act (RFA; 5 U.S.C. 601 *et seq.*) requires Federal agencies to prepare an analysis of a rule's impact on small entities whenever the agency is required to publish a notice of proposed rulemaking, unless the agency certifies, pursuant to 5 U.S.C. 605, that the action will not have significant economic impact on a substantial number of small entities. The RFA requires agencies to consider, but not necessarily minimize, the effects of proposed rules on small entities. The goal of the RFA is to inform the agency and public of expected economic effects of the proposed rule and to ensure the agency considers alternatives that minimize the expected economic effects on small entities while meeting applicable goals and objectives.

Pursuant to section 605(b) of the RFA, the Chief Counsel for Regulation of the Department of Commerce certified to the Chief Counsel for Advocacy of the Small Business Administration that this proposed rule, if adopted, would not have a significant economic impact on a substantial number of small entities. The purpose, context, and statutory basis for this action is described above and not repeated here. The analysis below discusses the potential effects of the proposed designation of marine portions of Papahānaumokuākea Marine National Monument as a national marine sanctuary and serves as the factual basis for the certification. In summary, with this proposed rulemaking, small entities are not expected to experience significant impacts.

1. Description and Estimate of the Number of Small Entities to Which the Proposed Action Would Apply

Under the Monument’s existing management framework, activities in the Monument, with limited exceptions, require a permit. The same would be true in the proposed sanctuary. Based on permitting data for the Monument,

there are six primary categories of regulated uses: (1) research; (2) conservation and management; (3) education; (4) Native Hawaiian practices; (5) recreation; and (6) special ocean use. Table 1 shows the number of permits issued by category from 2018 to 2022. Based on permitting data, the types of entities applying for permits include, government, non-profits,

artists, film and entertainment entities, education providers, and research organizations. Additionally, ship reporting is required for vessels that transit through portions of the Monument, and the types of entities impacted are identified as finfish fishing or deep-sea freight transit (73 FR 38375 (July 7, 2008)).

TABLE 1—PERMITS ISSUED BY YEAR AND TYPE

	Research	Conservation and management	Education	Native Hawaiian practices	Recreation	Special ocean use	Total
2018 .....	7	3	4	4	0	3	21
2019 .....	7	6	0	2	0	1	16
2020 .....	1	5	0	0	0	2	8
2021 .....	8	2	1	4	0	3	18
2022 .....	5	3	0	0	0	1	9
2018–2022 Total .....	28	19	5	10	0	10	72
2018–2022 Annual Average .....	5.6	3.8	1	2	0	2	14.4

Source: (NOAA Office of National Marine Sanctuaries, Papahānaumokuākea Marine National Monument Permit Records, 2023).

The U.S. Small Business Administration establishes size standards for determining whether a business entity qualifies as small. NOAA has analyzed the types of entities that applied for permits by category and identified the relevant industries impacted by the proposed rule as

colleges and universities, apprenticeship training, environment, conservation and wildlife organizations, civic and social organizations, television broadcasting stations, motion picture and video production, geophysical surveying and mapping services, independent artists, writers, performers,

and museums. Each relevant industry is shown in the table below with the most recent size standards published by the U.S. Small Business Administration (2023). Size standards are based upon the average annual receipts (all revenue) or the average employment of a firm.

TABLE 2—SIZE STANDARD IN MILLIONS OF DOLLARS BY NORTH AMERICAN CLASSIFICATION SYSTEM (NAICS) CODE AND INDUSTRY DESCRIPTION FOR SELECTED INDUSTRIES

NAICS industry description	NAICS code	Size standard (millions of dollars)
Colleges, universities and professional schools .....	611310	\$34.5
Apprenticeship Training .....	611513	11.5
Environment, Conservation and Wildlife Organizations .....	813312	19.5
Civic and Social Organizations .....	813410	9.5
Television Broadcasting Stations .....	516120	47.0
Motion Picture and Video Production .....	512110	40.0
Geophysical Surveying and Mapping Services .....	541360	28.5
Independent Artists, Writers, and Performers .....	711510	9.0
Museums .....	712110	34.0
Finfish Fishing .....	114111	25.0
Deep Sea Freight .....	483111	* 1,050

Source: 13 CFR part 121, 2023.

\* Number of employees. A size standard is not identified in dollars.

Table 3 provides the approximate number of permits issued for each corresponding industry. The Monument permit application itself does not ask

the applicant for their industry or if the applicant is a small entity. Therefore, the data presented below is based on limited information from the permit

application, specifically the applicant’s name and stated purpose for the permit.

TABLE 3—APPROXIMATE PERMITS BY INDUSTRY DESCRIPTION

NAICS industry description	2018	2019	2020	2021	2022
Colleges, universities and professional schools .....	7	2	1	9	4
Apprenticeship Training .....	2	0	0	2	0
Environment, Conservation and Wildlife Organizations .....	1	2	2	3	0
Civic and Social Organizations .....	2	1	0	2	0
Television Broadcasting Stations .....	2	0	0	0	0
Motion Picture and Video Production .....	1	0	1	4	1

TABLE 3—APPROXIMATE PERMITS BY INDUSTRY DESCRIPTION—Continued

NAICS industry description	2018	2019	2020	2021	2022
Geophysical Surveying and Mapping Services .....	1	1	0	2	1
Independent Artists, Writers, and Performers .....	0	1	1	0	0
Museums .....	1	0	0	0	0

Source: (NOAA Office of National Marine Sanctuaries, Papahānaumokuākea Marine National Monument Permit Records, 2023).

Regarding ship reporting requirements, NOAA estimated there would be approximately 200–250 vessels passing through reporting areas of the proposed sanctuary without interruption that would be subject to providing entry and exit notifications, based on vessel traffic reported between 2017 and 2023.

The data provided in Tables 1, 2, and 3 provide information on the type of permit applications, the industries that may be impacted, and the number of permits by corresponding industry. NOAA does not have economic data on whether the permittees within the corresponding industries are small entities or not. Due to the lack of quantitative data on the nature of businesses directly affected by the proposed rule including their levels of revenues, costs, and profits from their activities within the sanctuary, the analysis provided here is qualitative. Based upon site interactions and working relationships with permittees, the types of small entities that may be impacted by this proposed rule include academic and government institutions, non-profit organizations, and broadcast and video production entities. In addition, U.S. fishing vessels are expected to be impacted by this rulemaking, and all are considered to be small entities. U.S. freight transport vessels are expected to be affected by this rulemaking, though none are considered to be small entities.

2. Analysis of Small Entities

The proposed sanctuary regulations would largely mirror the existing management framework for the Monument. There would be no effective difference in the permitting process between the proposed action and the status quo for permitting within PMNM. The proposed regulatory action would establish new permitting requirements for entities that seek access to areas of the proposed sanctuary that overlap with the MEA, the OSZ. While access restrictions for portions of the proposed sanctuary that overlap with the MEA would be new, the activities that may be permitted would be consistent with Presidential Proclamation 9478.

Therefore, the proposed regulatory action would establish new reporting and recordkeeping requirements for entities that apply for permits in the area of the proposed sanctuary that overlaps with the MEA, the OSZ, but is not expected to have a significant economic impact on a substantial number of small entities for the following reasons. Based on the NOAA Monument manager’s site knowledge and experience, the proposed regulatory action is not expected to result in an increase in the number of permit requests, as the majority of users operate in the area of the proposed sanctuary that overlaps with PMNM, and do not solely operate in the area of the proposed sanctuary that overlaps with

the MEA. Additionally, the area under consideration is coextensive with the marine areas of the Monument, extremely remote (nearly 300 miles at its closest point from the main Hawaiian Islands), and very few entities operate there.

Through this proposed rule, NOAA does not expect a significant reduction in profits for small entities. NOAA does not charge a fee for review and issuance of general permits, and there are only minimal, indirect costs associated with the time for an individual to complete a permit application and respond to any follow-up questions from NOAA. While NOAA may assess fees for the conduct of any activity authorized under a special use permit, fees are not required, and decisions are made on a case-by-case basis. No unique professional skills are necessary to meet these reporting requirements. In addition, the process by which all applicants apply for a permit, or complete entry and exit notifications for passage without interruption through certain areas within the proposed sanctuary, would not substantially differ from the current process. Therefore, these additional permitting requirements would not significantly reduce profits for a substantial number of small entities. The public reporting burden for Monument permits is provided in table 4. The public reporting burden differs by permit category.

TABLE 4—HOURLY BURDEN OF THE INFORMATION COLLECTION FOR PAPAHAŌNAUMOKUĀKEA MARINE NATIONAL MONUMENT PERMITS

Information collection	Annual # of responses/respondent	Burden hours/response	Mean occupational employment hourly wage rates (for type of respondent)	Annual wage burden costs per permit
General permit .....	3	5	\$36.62	\$549.30
Special Ocean Use permit .....	3	10	40.83	1,224.9
Native Hawaiian Practices permit .....	3	8	36.62	878.88
Recreation permit .....	3	6	24.98	449.64

Source: (NOAA Office of National Marine Sanctuaries, Papahānaumokuākea Marine National Monument Permit Records, 2023).

Under the existing Monument management framework, as a condition of a permit, permittees are required to

have a NOAA OLE type-approved VMS on board when operating within the PMNM. The cost of a VMS unit is

\$3,150. Annualized over 3 years (the life of the unit) the cost per year is \$1,050.00 per year with an additional

estimated \$100.00 in annual maintenance costs, and \$192.00 in VMS report transmission costs (\$1.28 daily cost based on a high estimate that a permitted vessel may spend on average, 150 days per year in the Monument), for a total annual VMS cost of \$1,342. The proposed rule includes this requirement for areas of the proposed sanctuary that overlap with both the PMNM and MEA. However, the proposed rule is not expected to result in an increase in the number of permit requests, as the majority of users operate in the area of the proposed sanctuary that overlaps with PMNM, and do not solely operate in the area of the proposed sanctuary that overlaps with the MEA. Therefore, this additional permit requirement is not expected to result in an increase in the number of required VMS units, or a significant financial burden to small entities.

Through this proposed rule, the process for ship reporting for vessels transiting through areas of the proposed sanctuary would not substantially differ from the current process. The proposed regulatory action would not establish any new reporting or record-keeping requirements related to ship reporting.

As described above, NOAA does not expect a significant reduction in profits for small entities, as the expected costs are minimal, indirect costs for permit applications, and does not expect an increase in permit applications as users are already required to have a permit to access PMNM. NOAA has concluded that the proposed rule would not have a significant impact on a substantial number of small entities. Therefore, an Initial Regulatory Flexibility Analysis is not required and none was prepared.

#### F. Paperwork Reduction Act

Notwithstanding any other provisions of the law, no person is required to respond to, nor shall any person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act (PRA), 44 U.S.C. 3501 *et seq.*, unless that collection of information displays a currently valid OMB control number.

NOAA has an OMB control number (0648–0548) for the collection of public information related to the processing of PMNM permit applications and reports for permits. In the most recent Information Collection Request revision and approval for PMNM permits, NOAA reported approximately 74 permit respondents per year. NOAA's proposal to create a national marine sanctuary in the marine portions of the Monument is not expected to result in an increase in the number of requests for permits

under this control number. Therefore, the annual public reporting burden hours for permits under OMB control number 0648–0548 is not expected to increase. A large increase in the number of permit requests would require a change to the reporting burden certified for OMB control number 0648–0548. While not expected, if such permit requests do increase, a revision to this control number for the processing of permits would be requested.

Please send any comments regarding the burden estimate for this data collection requirement or any other aspect of this data collection, including suggestions for reducing the burden, to NOAA (see **ADDRESSES** above). Comments can also be submitted to [www.reginfo.gov/public/do/PRAMain](http://www.reginfo.gov/public/do/PRAMain). Before an agency submits a collection of information to OMB for approval, the agency shall provide 60-day notice in the **Federal Register**, and otherwise consult with members of the public and affected agencies concerning each proposed collection of information, to solicit comments to:

- Evaluate whether the proposed collection of information is necessary for the proper performance of the functions of the agency, including whether the information will have practical utility;
- Evaluate the accuracy of the agency's estimate of the burden of the proposed collection of information, including the validity of the methodology and assumptions used;
- Enhance the quality, utility, and clarity of the information to be collected; and
- Minimize the burden of the collection of information on those who are to respond, including through the use of appropriate automated, electronic, mechanical, or other technological collection techniques or other forms of information technology (*e.g.*, permitting electronic submission of responses).

#### G. National Historic Preservation Act

Section 106 of the National Historic Preservation Act (NHPA, 54 U.S.C. 306108) requires Federal agencies to take into account the effects of their undertakings on historic properties and afford the Advisory Council on Historic Preservation (ACHP) a reasonable opportunity to comment with regard to the undertaking. "Historic property" means any prehistoric or historic district, site, building, structure, or object included in or eligible for inclusion in the National Register of Historic Places maintained by the Secretary of the Interior. This term includes artifacts, records, and material

remains that are related to and located within such properties, including properties of traditional religious and cultural importance to an Indigenous nation or Tribe or Native Hawaiian organization (see 36 CFR 800.16(l)).

The regulations implementing section 106 of the NHPA (36 CFR part 800) establish a process requiring Federal agencies to: (1) determine whether the undertaking is a type of activity that could affect historic properties; (2) identify historic properties in the area of potential effects; (3) assess potential adverse effects; and (4) resolve adverse effects. The regulations require that Federal agencies consult with States, Tribes, and other interested parties when making their effect determinations. NOAA has determined that the designation of a national marine sanctuary and related rulemaking for sanctuary-specific regulations meet the definition of an undertaking as defined at § 800.16(y).

In fulfilling its responsibilities under section 106 of the NHPA, NOAA initiated the section 106 review process with the State Historic Preservation Officer (SHPO) for the proposed sanctuary designation via letter to the State Historic Preservation Division (SHPD) through the Hawai'i Cultural Resource Information System on November 21, 2021. NOAA also provided notice to the Advisory Council on Historic Preservation (ACHP) on November 21, 2021. These letters and supporting documentation identified the proposed Area of Potential Effect (APE) and began the process to identify consulting parties (CP). Invitations were sent to over 500 families and organizations having lineal and cultural connections to Papahānaumokuākea, including cultural practitioners, Native Hawaiian Organizations, fishers (subsistence, recreational, commercial), and government agencies. As of January 21, 2023, NOAA received 31 requests to be a CP for the proposed sanctuary designation and NOAA has officially recognized the 31 CPs. NOAA will complete the identification of historic properties in the proposed APE and the assessment of the undertaking's potential to affect historic properties in consultation with the recognized consulting parties. To date, ONMS has conducted 6 meetings with recognized consulting parties. The NHPA section 106 review is ongoing, and additional consultations will be held following the release of the DEIS and DMP. As the DEIS is a joint Federal-State action, the State is also preparing a Cultural Impact Assessment (CIA) and Legal Analysis pursuant to the Hawai'i Environmental Policy Act (HEPA), Hawai'i Revised

Statutes (HRS) section 343, the corresponding Hawai'i Administrative Rules (HAR) section 11–200.1, and the Environmental Council's 1997 Guidelines for Assessing Cultural Impacts.

#### H. Sunken Military Craft Act

The Sunken Military Craft Act of 2004 (SMCA; Pub. L. 108–375, Title XIV, sections 1401 to 1408; 10 U.S.C. 113 note) preserves and protects from unauthorized disturbance all sunken military craft that are owned by the United States government, as well as foreign sunken military craft that lie within United States waters, as defined in the SMCA. Thousands of U.S. sunken military craft lie in waters around the world, many accessible to looters, treasure hunters, and others who may cause damage to them. These craft, and their associated contents, represent a collection of non-renewable and significant historical resources that often serve as war graves, carry unexploded ordnance, and contain oil and other hazardous materials. By protecting sunken military craft, the SMCA helps reduce the potential for irreversible harm to these nationally important historical and cultural resources.

The 1942 Battle of Midway occurred both at Midway Atoll as well as some 100–150 nautical miles north of the atoll in the northwestern portion of Papahānaumokuākea. Aircraft carriers from the historic conflict have been located in the deep ocean, and multiple aircraft and sunken military vessels have been surveyed within the Midway Atoll Special Management Area. Yet, hundreds of aircraft, and several other aircraft carriers and destroyers from the battle remain to be discovered in Papahānaumokuākea. Sunken military craft fall under the jurisdiction of a number of Federal agencies such as the U.S. Navy and the U.S. Coast Guard. NOAA and FWS coordinate very closely with the U.S. Navy and any other applicable Federal agency, foreign State, or State agency if found within State waters, regarding activities directed at sunken military craft discovered within the sanctuary.

#### K. Coastal Zone Management Act (CZMA)

Section 307 of the Coastal Zone Management Act (CZMA; 16 U.S.C. 1456) requires Federal agencies to consult with a State's coastal program on potential Federal agency activities that affect any land or water use or natural resource of the coastal zone. Because the proposed sanctuary lies partially within State waters, NOAA

intends to submit a copy of this proposed rule and supporting documents, including the DEIS, to the State of Hawaii's Office of Planning and Sustainable Development for evaluation of Federal consistency under the CZMA. NOAA will publish the final rule and designation only after completion of the Federal consistency process under the CZMA.

#### L. Executive Order 12898: Environmental Justice

Executive Order 12898 directs Federal agencies to identify and address disproportionately high and adverse effects of their actions on human health and the environment of minority or low-income populations. The designation of national marine sanctuaries by NOAA helps to ensure the enhancement of environmental quality for all populations in the United States. The proposed sanctuary designation would not result in disproportionate negative impacts on any minority or low-income population. In addition, many of the potential impacts from designating the proposed sanctuary would result in long-term or permanent beneficial impacts by protecting resources, which may have a positive impact on communities by providing employment and educational opportunities, and potentially result in improved ecosystem services.

#### List of Subjects in 15 CFR Part 922

Administrative practice and procedure; Coastal zone; Cultural resources; Environmental; Protection; Fishing; Historic preservation; Marine protected areas; Marine resources; Natural resources; National marine sanctuaries; Penalties; Recreation and recreation areas; Reporting and recordkeeping requirements; Shipwrecks; Wildlife.

#### Nicole R. LeBoeuf,

*Assistant Administrator for Ocean Services and Coastal Zone Management, National Ocean Service, National Oceanic and Atmospheric Administration.*

#### Regulatory Amendments and Additions

For the reasons set forth above, NOAA proposes to amend part 922, title 15 of the Code of Federal Regulations as follows:

#### PART 922—NATIONAL MARINE SANCTUARY PROGRAM REGULATIONS

■ 1. The authority citation for part 922 continues to read as follows:

**Authority:** 16 U.S.C. 1431 *et seq.*

■ 2. Amend § 922.1 by revising paragraph (a)(2) to read as follows:

#### § 922.1 Purposes and applicability of the regulations.

(a) \* \* \*

(2) To implement the designations of the national marine sanctuaries, for which specific regulations appear in subpart F through subsequent subparts, by regulating activities affecting them, consistent with their respective terms of designation, in order to protect, restore, preserve, manage, and thereby ensure the health, integrity, and continued availability of the conservation, recreational, ecological, historical, scientific, educational, cultural, archaeological, and aesthetic resources and qualities of these areas.

\* \* \* \* \*

■ 3. Revise § 922.4 to read as follows:

#### § 922.4 Boundaries.

Subpart F and subsequent subparts of this part set forth the boundaries for all national marine sanctuaries.

■ 4. Revise § 922.6 to read as follows:

#### § 922.6 Prohibited or otherwise regulated activities.

Subpart F and subsequent subparts of this part set forth site-specific regulations applicable to the activities specified therein.

■ 5. Amend § 922.30 by:

■ a. Revising paragraph (a)(2);

■ b. Removing the word “and” at the end of paragraph (b)(5);

■ c. Removing the period at the end of paragraph (b)(6) and adding “; and” in its place; and

■ d. Adding paragraphs (b)(7) and (8).

The additions read as follows:

#### § 922.30 National Marine Sanctuary general permits

(a) \* \* \*

(2) The permit procedures and criteria for all national marine sanctuaries in which the proposed activity is to take place in accordance with relevant site-specific regulations appearing in subpart F and subsequent subparts of this part.

\* \* \* \* \*

(b) \* \* \*

(7) Native Hawaiian Practices—activities that allow for Native Hawaiian practices within Papahānaumokuākea and

(8) Recreation—recreational activities within Papahānaumokuākea limited to the Midway Atoll Special Management Area.

■ 6. Amend § 922.33 by removing the word “and” at the end of paragraph (a)(8), removing the period at the end of paragraph (a)(9) and adding “; and” in

its place, and by adding paragraphs (a)(10), (11), and (12).

The additions read as follows:

**§ 922.33 Review procedures and evaluation.**

(a) \* \* \*

(10) For Papahānaumokuākea National Marine Sanctuary, there is no practicable alternative to conducting the activity within the sanctuary and the activity can be conducted with adequate safeguards for the resources and ecological integrity of the sanctuary.

(11) For Native Hawaiian Practices within Papahānaumokuākea National Marine Sanctuary:

(i) The activity is non-commercial and will not involve the sale of any organism or material collected;

(ii) The purpose and intent of this activity is appropriate and deemed necessary by traditional standards in the Native Hawaiian culture (pono), and demonstrates an understanding of, and background in, the traditional practice, and its associated values and protocols;

(iii) The activity benefits the resources of the Northwestern Hawaiian Islands and the Native Hawaiian community; the activity supports or advances the perpetuation of traditional knowledge and ancestral connections of Native Hawaiians to the Northwestern Hawaiian Islands; and

(iv) Any sanctuary resource harvested from the sanctuary will be consumed in the sanctuary.

(12) For Recreation permits within Papahānaumokuākea National Marine Sanctuary:

(i) The activity is for the purpose of recreation within the Midway Special Management Area;

(ii) The activity is not associated with any for-hire operation; and

(iii) The activity does not involve any extractive use.

\* \* \* \* \*

■ 7. Amend 922.37 by revising paragraphs (a)(2) and (3) to read as follows:

**§ 922.37 Appeals of permitting decisions.**

(a) \* \* \*

(2) Except for Papahānaumokuākea National Marine Sanctuary, an applicant or a holder of a National Marine Sanctuary permit issued pursuant to § 922.30 or pursuant to site-specific regulations appearing in subparts F through subsequent subparts of this part;

(3) Except for Papahānaumokuākea National Marine Sanctuary, an applicant or a holder of a special use permit issued pursuant to section 310 of the Act and § 922.31;

\* \* \* \* \*

■ 8. Add subpart W to read as follows:

**Subpart W—Papahānaumokuākea National Marine Sanctuary**

Sec.

922.240 Boundary.

922.241 Definitions.

922.242 Co-management.

922.243 Access.

922.244 Prohibited or otherwise regulated activities.

922.245 Permit procedures and criteria.

Appendix A to Subpart W of Part 922—Papahānaumokuākea National Marine Sanctuary Boundary Description and Coordinates

Appendix B to Subpart W of Part 922—Coordinates for the Outer Sanctuary Zone

Appendix C to Subpart W of Part 922—Coordinates for the Midway Atoll Special Management Area

Appendix D to Subpart W of Part 922—Coordinates for the Special Preservation Areas (SPAs)

Appendix E to Subpart W of Part 922—Coordinates for the Ship Reporting Area

Appendix F to Subpart W of Part 922—IMO Standard Reporting Format and Data Syntax for Ship Reporting System

**Subpart W—Papahānaumokuākea National Marine Sanctuary**

**§ 922.240 Boundary.**

Papahānaumokuākea National Marine Sanctuary consists of an area of approximately 582,570 square miles (439,910 square nautical miles) of Pacific Ocean waters surrounding the Northwest Hawaiian Islands and the submerged lands thereunder. The precise boundary coordinates are listed in appendix A to this subpart. The outer seaward sanctuary boundary begins approximately 200 nautical miles SW of Kure Atoll at Point 1 and continues from this point roughly north to each successive point in numerical order to Point 232 which is approximately 204 nautical miles north of Kure Atoll. From Point 232 the sanctuary boundary continues roughly ESE to each successive point in numerical order to Point 609 which is approximately 200 nautical miles NE of Necker Island. From Point 609 the sanctuary boundary continues south to Point 610 which is approximately 90 nautical miles ENE of Necker Island. From Point 610 the sanctuary boundary continues roughly east and then SE and south to Point 635 which is approximately 50 nautical miles east of Nihoa. From Point 635 the sanctuary boundary continues roughly south and then SW and west to each successive point in numerical order to Point 662 which is approximately 71 nautical miles SW of Nihoa. From Point 662 the sanctuary boundary continues south to Point 663 which is approximately 236 nautical miles SSW

of Nihoa. From Point 663 the sanctuary boundary continues roughly NW to each successive point in numerical order to Point 703 which is approximately 200 nautical miles SSE of Necker Island. From Point 703 the boundary continues roughly NW to each successive point in numerical order to Point 1128 where it ends approximately 200 nautical miles SW of Kure Atoll. The inner landward boundary of the sanctuary follows the shoreline as defined by the State of Hawai'i (HAR § 13–222).

**§ 922.241 Definitions.**

In addition to those definitions found at § 922.11, the following definitions apply to this subpart. To the extent that a term appears in § 922.11 and this section, the definition in this section governs.

*Areas to be avoided (ATBA)* means the four designated areas that should be avoided by vessels that are conducting passage without interruption through the sanctuary. The precise boundary coordinates for the ATBAs are listed in appendix E to this subpart.

*Bottomfish species* means all species of bottomfish as defined at 50 CFR 665.201.

*Commercial fishing* means, as defined in the Magnuson-Stevens Fishery Conservation and Management Act, fishing in which the fish harvested, either in whole or in part, are intended to enter commerce or enter commerce through sale, barter, or trade.

*Ecological integrity* means a condition determined to be characteristic of an ecosystem that has the ability to maintain the function, structure, and abundance of natural biological communities, including rates of change in response to natural environmental variation.

*Midway Atoll Special Management Area* means the area of the sanctuary surrounding Midway Atoll out to a distance of 12 nautical miles. The coordinates are listed in appendix C to this subpart.

*Native Hawaiian practices* means cultural activities conducted for the purposes of perpetuating traditional knowledge, caring for and protecting the environment and strengthening cultural and spiritual connections to the Northwestern Hawaiian Islands that have demonstrable benefits to the Native Hawaiian community. This may include, but is not limited to, the non-commercial use of sanctuary resources for direct personal consumption while in the sanctuary.

*Non-commercial fishing* means fishing that does not meet the definition of commercial fishing in the Magnuson-Stevens Fishery Conservation and



Management Act, and includes, but is not limited to, sustenance, subsistence, traditional indigenous, and recreational fishing.

*Office of Law Enforcement (OLE)* means NOAA, National Marine Fisheries, Office of Law Enforcement.

*Outer Sanctuary Zone (OSZ)* means the waters and submerged lands extending from approximately 50 nautical miles from all islands and emergent lands of the Northwestern Hawaiian Islands to the extent of the seaward limit of the United States Exclusive Economic Zone (U.S. EEZ) west of 163° West Longitude. The precise boundary coordinates for the OSZ are listed in appendix B to this subpart.

*Particularly Sensitive Sea Area (PSSA)* means an area that needs special protection through action by IMO because of its significance for recognized ecological, socio-economic, or scientific attributes where such attributes may be vulnerable to damage by international shipping activities.

*Pelagic species* means Western Pacific Pelagic Management Unit Species as defined at 50 CFR 665.800.

*Pono* means appropriate, correct, and deemed necessary by traditional standards in Hawaiian culture.

*Recreational activity* means an activity conducted for personal enjoyment within the Midway Atoll Special Management Area that does not result in the extraction of sanctuary resources and that does not involve a fee-for-service transaction. This includes, but is not limited to, wildlife viewing, SCUBA diving, snorkeling, and boating.

*Reporting area* means the area of the proposed sanctuary that extends outward ten nautical miles from the PSSA boundary, as designated by the IMO, and excludes the ATBAs that fall within the PSSA boundary. The precise boundary coordinates for the reporting area are listed in appendix E to this subpart.

*Scientific instrument* means a device, vehicle, or tool used for scientific purposes and is inclusive of structures, materials, or other matter incidental to proper use of such device, vehicle, or tool.

*Special Preservation Area (SPA)* means discrete, biologically important areas of the sanctuary within which uses are subject to certain conditions, restrictions, and prohibitions, including but not limited to access restrictions. The coordinates are listed in Appendix D to this subpart.

*Stowed and not available for immediate use* means not readily accessible for immediate use, e.g., by

being securely covered and lashed to a deck or bulkhead, tied down, unbaited, unloaded, or partially disassembled (e.g., spear shafts being kept separate from spear guns).

*Sustenance fishing* means fishing for bottomfish or pelagic species in which all catch is consumed within the sanctuary, and that is incidental to an activity permitted under this part.

*Vessel monitoring system (VMS)* means a mobile transceiver unit that is approved by NOAA's Office for Law Enforcement for use on vessels permitted to access the sanctuary.

#### § 922.242 Co-management.

NOAA's Office of National Marine Sanctuaries has primary responsibility for the management of the sanctuary pursuant to the National Marine Sanctuaries Act. However, as the sanctuary includes State waters, NOAA will co-manage Papahānaumokuākea National Marine Sanctuary with the State of Hawai'i. The Office of National Marine Sanctuaries may enter into a Memorandum of Agreement with the State of Hawai'i regarding this collaboration that may address, but not be limited to, sanctuary resource protection, educational programs, permitting, research activities, development, and threats to sanctuary resources.

#### § 922.243 Access.

(a) Access to the Sanctuary is prohibited and thus unlawful except:

(1) When conducting emergency response actions, law enforcement activities, and activities and exercises of the Armed Forces in accordance with § 922.244(b) and (c);

(2) Pursuant to a permit issued under § 922.245;

(3) When conducting non-commercial fishing activities in the OSZ authorized under the Magnuson-Stevens Fishery Conservation and Management Act provided that no sale of harvested fish occurs;

(4) When conducting passage without interruption in accordance with paragraphs (b), (c), and (d) of this section.

(b) A vessel may pass without interruption through the sanctuary without requiring a permit as long as the vessel does not stop, anchor, or engage in the prohibited activities listed in § 922.244 within the sanctuary;

(c) When conducting passage without interruption vessel discharges are limited to the following:

(1) Vessel engine cooling water, weather deck runoff, and vessel engine exhaust within Special Preservation Areas or the Midway Atoll Special Management Area;

(2) Discharge incidental to vessel operations such as deck wash, approved marine sanitation device effluent, cooling water, and engine exhaust in areas other than Special Preservation Areas or the Midway Atoll Special Management Area.

(d) For areas of the sanctuary that are contained within the reporting area surrounding the PSSA designated by the International Maritime Organization (IMO), a ship reporting system (CORAL SHIPREP) specified below shall be in effect. The coordinates for the Reporting Area are listed in appendix E to this subpart.

(1) The ship reporting system as specified in paragraphs (d)(3) through (7) of this section does not apply to the following vessels:

(i) Vessels conducting emergency response actions, law enforcement activities, and activities and exercises of the Armed Forces in accordance with § 922.244(b) and (c);

(ii) Vessels conducting activities pursuant to a permit issued under § 922.245;

(iii) Vessels conducting non-commercial fishing activities in the OSZ authorized under the Magnuson-Stevens Fishery Conservation and Management Act; and

(iv) Vessels entitled to sovereign immunity in accordance with generally recognized principles of international law.

(2) The following vessels, passing through the reporting area of the sanctuary without interruption must participate in the ship reporting system as specified in paragraphs (d)(3) through (7) of this section:

(i) Vessels of the United States of any size;

(ii) All other ships 300 gross tonnage or greater that are entering or departing a United States port or place; and

(iv) All other ships of any size entering or departing a United States port or place and experiencing an emergency while transiting through the reporting area.

(3) All vessels passing through the reporting area of the sanctuary without interruption other than those described in paragraph (d)(2) of this section are encouraged to participate in the ship reporting system set forth in paragraphs (d)(3) through (7) of this section.

(4) Immediately upon entering the reporting area, vessels described in paragraph (d)(2) of this section must provide the following information by email sent to [nwhi.notifications@noaa.gov](mailto:nwhi.notifications@noaa.gov) in the IMO standard reporting format and data syntax shown in appendix F to this subpart:

(i) Vessel name, call sign or ship station identity, flag, and IMO identification number if applicable, and either Federal documentation or State registration number if applicable;

(ii) Date, time (UTC) and month of entry;

(iii) Position;

(iv) True course;

(v) Speed in knots and tenths;

(vi) Destination and estimated time of arrival;

(vii) Intended route through the reporting area;

(viii) Vessel draft (in meters);

(ix) Categories of hazardous cargoes on board;

(x) Any vessel defects or deficiencies that restrict maneuverability or impair normal navigation;

(xi) Any pollution incident or goods lost overboard within the PSSA, the reporting area, or the U.S. EEZ;

(xii) Contact information for the vessel's agent or owner;

(xiii) Vessel size (length overall, gross tonnage) and type;

(xiv) Total number of persons on board;

(5) Immediately upon leaving the reporting area, vessels described in paragraph (d)(2) of this section must provide the following information by email sent to *nwhi.notifications@noaa.gov* in the IMO standard reporting format and data syntax shown in appendix F to this subpart:

(i) Vessel name, call sign or ship station identity, flag, and IMO identification number if applicable, and either Federal documentation or State registration number if applicable;

(ii) Date, time (UTC), and month of exit;

(iii) Position; and

(iv) Any pollution incident or goods lost overboard within the PSSA, the reporting area, or the U.S. EEZ.

(6) For vessels that are not equipped with on-board email capability, advanced notice of entrance (as outlined in paragraph (d)(4) of this section) shall be provided at least 72 hours, but not more than one month, prior to entering the reporting area. Notification of departure (as outlined in paragraph (d)(5) of this section) must be provided within 12 hours of leaving. Notification under this paragraph may be made by email, telephone, or fax, by contacting:

(i) *Email: nwhi.notifications@noaa.gov;*

(ii) *Telephone: 1-808-395-6944 or 1-866-478-6944; or*

(iii) *Fax: 1-808-455-3093*

(7) Further reports shall be made by the vessels described in paragraph (d)(2) of this section, and are encouraged for the vessels described in paragraph (d)(3)

of this section, whenever there is a change in navigation status or circumstances, particularly in relation to the intended route, defects or deficiencies.

**§ 922.244 Prohibited or otherwise regulated activities.**

(a) The following activities are prohibited and thus are unlawful for any person to conduct or to cause to be conducted within the sanctuary, except as specified in paragraphs (b) through (f) of this section:

(1) Exploring for, developing, or producing oil, gas, or minerals, or any energy development activities;

(2) Using or attempting to use poisons, electrical charges, or explosives in the collection or harvest of a sanctuary resource;

(3) Introducing or otherwise releasing an introduced species from within or into the sanctuary;

(4) Deserting a vessel;

(5) Commercial fishing and possessing commercial fishing gear except when stowed and not available for immediate use;

(6) Anchoring on or having a vessel anchored on any living or dead coral with an anchor, anchor chain, or anchor rope;

(7) Non-commercial fishing and possessing non-commercial fishing gear except when stowed and not available for immediate use;

(8) Drilling into, dredging, or otherwise altering the submerged lands; or constructing, placing, or abandoning any structure, material, or other matter on the submerged lands;

(9) Removing, moving, taking, harvesting, possessing, injuring, disturbing, or damaging; or attempting to remove, move, take, harvest, possess, injure, disturb, or damage any living or nonliving sanctuary resource;

(10) Attracting any living sanctuary resource;

(11) Touching coral, living or dead;

(12) Swimming, snorkeling, or closed or open circuit SCUBA diving;

(13) Discharging or depositing any material or other matter into the sanctuary, or discharging or depositing any material or other matter outside of the sanctuary that subsequently enters the sanctuary and injures or has the potential to injure any resources of the sanctuary, except as described at § 922.243 for vessel passage without interruption; and

(14) Anchoring a vessel.

(b) The prohibitions in paragraph (a) of this section do not apply to activities necessary to respond to emergencies threatening life, property, or the environment, or to activities necessary for law enforcement purposes.

(c) The prohibitions in paragraph (a) of this section do not apply to activities and exercises of the U.S. Armed Forces (including those carried out by the U.S. Coast Guard). This includes the U.S. Armed Forces' response to emergencies posing an unacceptable threat to human health or safety or to the marine environment and admitting of no other feasible solution. All activities and exercises of the U.S. Armed Forces shall be carried out in a manner that avoids, to the extent practicable and consistent with operational requirements, adverse impacts on sanctuary resources and qualities. These regulations shall not limit or otherwise affect the U.S. Armed Forces discretion to use, maintain, improve, manage, or control any property under their administrative control or otherwise limit the availability of such property for military mission purposes, including, but not limited to, defensive areas and airspace reservations.

(d) The prohibitions in paragraphs (a)(7) through (14) of this section do not apply to non-commercial fishing activities in the OSZ authorized under the Magnuson-Stevens Fishery Conservation and Management Act provided that no sale of harvested fish occurs.

(e) The prohibitions in paragraphs (a)(7) through (14) of this section, do not apply to any activity conducted under and in accordance with the scope, purpose, terms, and conditions of a sanctuary general permit, or special use permit issued pursuant to subpart D of this part. In no event, may the Director issue a National Marine Sanctuary general permit or special use permit authorizing or otherwise approving activities listed in paragraph (a)(8) of this section for anything other than scientific instruments, when the activity occurs within the OSZ.

(f) The prohibitions in paragraph (a) of this section shall not restrict scientific exploration or research activities by or for the Secretary of Commerce or the Secretary of the Interior when the activity occurs within the OSZ.

**§ 922.245 Permit procedures and criteria.**

(a) A person may conduct an activity otherwise prohibited by § 922.244(a)(7) through (14), if such activity is conducted in accordance with the scope, purpose, terms, and conditions of, a permit issued under this section and subpart D of this part.

(b) Applications for permits shall be addressed to the NOAA Inouye Regional Center, Office of National Marine Sanctuaries; ATT: Permit Coordinator,

Papahānaumokuākea, 1845 Wasp Blvd., Building 176, Honolulu, HI 96818.

(c) The Secretary may authorize sustenance fishing outside of any Special Preservation Area as a term or condition of any general permit or special use permit issued under this section and subpart D of this part. Sustenance fishing in the Midway Atoll Special Management Area shall not be allowed unless the activity has been determined by the Director of the U.S. Fish and Wildlife Service or their designee to be compatible with the purposes for which the Midway Atoll National Wildlife Refuge was established. Sustenance fishing must be conducted in a manner compatible with this part, including considering the extent to which the conduct of the activity may diminish Sanctuary resources, qualities, and ecological integrity, as well as any indirect, secondary, or cumulative effects of the activity and the duration of such effects. The Secretary will develop procedures for systematic reporting of sustenance fishing.

(d) An owner or operator of a vessel that has been issued a general permit or special use permit under this section and subpart D of this part must ensure that such vessel has a NOAA OLE type-approved VMS on board when operating within the sanctuary. OLE has authority over the type of VMS used and the installation and operation of the VMS unit. OLE may authorize the connection or order the disconnection of additional equipment, including a computer, to any VMS unit when deemed appropriate by OLE. The owner or operator of a vessel must coordinate with OLE to install and activate an approved VMS prior to departure.

(1) When a vessel's VMS is not operating properly at sea, the owner or operator must immediately contact OLE, and follow instructions from that office. If notified by OLE that a vessel's VMS is not operating properly, the owner and operator must follow instructions from that office. In either event, such instructions may include, but are not limited to:

(i) Manually communicating a vessel's location as directed by OLE; or

(ii) Returning to port until the VMS is operable.

(2) The following activities regarding VMS are prohibited and thus unlawful for any person to conduct or cause to be conducted:

(i) Operating any vessel within the sanctuary without an OLE type approved VMS;

(ii) Failing to install, activate, repair, or replace a VMS prior to leaving port;

(iii) Failing to operate and maintain a VMS on board the vessel at all times;

(iv) Tampering with, damaging, destroying, altering, or in any way distorting, rendering useless, inoperative, ineffective, or inaccurate the VMS, or VMS signal;

(v) Failing to contact OLE or follow OLE instructions when automatic position reporting has been interrupted;

(vi) Registering a VMS to more than one vessel at the same time;

(vii) Connecting or leaving connected additional equipment to a VMS unit without the prior approval of OLE; and

(viii) Making a false statement, oral or written, to an authorized officer regarding the installation, use, operation, or maintenance of a VMS unit or communication service provider.

(3) As a condition of authorized access to the sanctuary, a vessel owner or operator subject to the requirements for a VMS in this section must allow OLE, the U.S. Coast Guard, and their authorized officers and designees access to the vessel's position data obtained from the VMS. Consistent with other applicable laws, including the limitations on access to, and use of, VMS data collected under the Magnuson-Stevens Fishery Conservation and Management Act, the Secretary of Commerce and the Secretary of the Interior may have access to, and use of, collected data for scientific, statistical, and management purposes.

**Appendix A to Subpart W of Part 922—  
Papahānaumokuākea National Marine  
Sanctuary Boundary Description and  
Coordinates**

[Coordinates listed in this appendix are unprojected (Geographic) and based on the North American Datum of 1983]

Point No.	Longitude	Latitude
1	180.00000	25.38976
2	179.99985	25.38982
3	179.96681	25.40451
4	179.93392	25.41950
5	179.90119	25.43478
6	179.86863	25.45034
7	179.83622	25.46619
8	179.78793	25.49050
9	179.75595	25.50707
10	179.72415	25.52391
11	179.69252	25.54104
12	179.66108	25.55844
13	179.62981	25.57612
14	179.59874	25.59408
15	179.56786	25.61231
16	179.53716	25.63081
17	179.50667	25.64959
18	179.47637	25.66863
19	179.44627	25.68794
20	179.41638	25.70751
21	179.38670	25.72735
22	179.35722	25.74745
23	179.32796	25.76781
24	179.28448	25.79883
25	179.25576	25.81983
26	179.22255	25.84463
27	179.18175	25.87583
28	179.15383	25.89770
29	179.12613	25.91982
30	179.09868	25.94218
31	179.07146	25.96479
32	179.03108	25.99915
33	179.00447	26.02235
34	178.97810	26.04578
35	178.93902	26.08137
36	178.91329	26.10537
37	178.88781	26.12961
38	178.86259	26.15407
39	178.82525	26.19117
40	178.80068	26.21618
41	178.77639	26.24141
42	178.75236	26.26685
43	178.71683	26.30540
44	178.69349	26.33136
45	178.65901	26.37068
46	178.63637	26.39715
47	178.61378	26.42409
48	178.59171	26.45096
49	178.56993	26.47801
50	178.54844	26.50526
51	178.52725	26.53270
52	178.49601	26.57420
53	178.46544	26.61611
54	178.44544	26.64427
55	178.41601	26.68685
56	178.39677	26.71544
57	178.37784	26.74421
58	178.35922	26.77314
59	178.34092	26.80223
60	178.30653	26.85803
61	178.28885	26.88744
62	178.26294	26.93185
63	178.24606	26.96164
64	178.22951	26.99158
65	178.21329	27.02166
66	178.19632	27.05394
67	178.17402	27.09774
68	178.15895	27.12831
69	178.14422	27.15901
70	178.12274	27.20529
71	178.10884	27.23631
72	178.08864	27.28305
73	178.06920	27.33006
74	178.05667	27.36154
75	178.03853	27.40896
76	178.02687	27.44071
77	178.01003	27.48851
78	177.99924	27.52051
79	177.98881	27.55259
80	177.97873	27.58477
81	177.96901	27.61703
82	177.95509	27.66559
83	177.94198	27.71432
84	177.93368	27.74690
85	177.92568	27.77984
86	177.91811	27.81256
87	177.90744	27.86176
88	177.90079	27.89464
89	177.89149	27.94406
90	177.88574	27.97707
91	177.88037	28.01014
92	177.87300	28.05982
93	177.86647	28.10959
94	177.86258	28.14281
95	177.85744	28.19271
96	177.85447	28.22601

Point No.	Longitude	Latitude	Point No.	Longitude	Latitude	Point No.	Longitude	Latitude
97	177.85073	28.27600	171	179.11693	30.95947	245	-177.85585	31.77303
98	177.84871	28.30936	172	179.14594	30.98161	246	-177.81646	31.76865
99	177.84706	28.34273	173	179.18995	31.01433	247	-177.77776	31.76401
100	177.84529	28.39281	174	179.21963	31.03582	248	-177.73912	31.75902
101	177.84436	28.44291	175	179.26463	31.06757	249	-177.70055	31.75369
102	177.84422	28.47631	176	179.29516	31.08855	250	-177.66205	31.74802
103	177.84445	28.50971	177	179.34112	31.11928	251	-177.62362	31.74202
104	177.84551	28.55981	178	179.38763	31.14941	252	-177.58526	31.73567
105	177.84670	28.59348	179	179.41894	31.16915	253	-177.54140	31.72800
106	177.84844	28.63098	180	179.45050	31.18861	254	-177.50321	31.72097
107	177.85148	28.68101	181	179.49827	31.21728	255	-177.46512	31.71361
108	177.85399	28.71434	182	179.54657	31.24532	256	-177.42712	31.70592
109	177.85761	28.75561	183	179.57905	31.26365	257	-177.38921	31.69789
110	177.86197	28.79830	184	179.61792	31.28512	258	-177.35141	31.68952
111	177.86786	28.84813	185	179.65085	31.30287	259	-177.31372	31.68082
112	177.87226	28.88131	186	179.70065	31.32895	260	-177.27613	31.67179
113	177.87543	28.90360	187	179.73411	31.34598	261	-177.23866	31.66242
114	177.87967	28.93173	188	179.77707	31.36728	262	-177.20131	31.65273
115	177.88514	28.96554	189	179.81095	31.38371	263	-177.16094	31.64185
116	177.89133	29.00123	190	179.86214	31.40779	264	-177.12384	31.63149
117	177.90063	29.05066	191	179.89652	31.42346	265	-177.08687	31.62082
118	177.90735	29.08379	192	179.94844	31.44640	266	-177.04995	31.60978
119	177.91806	29.13300	193	179.98329	31.46131	267	-176.99406	31.60543
120	177.92567	29.16572	194	-180.00000	31.46823	268	-176.95227	31.60174
121	177.93780	29.21468	195	-179.96410	31.48309	269	-176.91352	31.59795
122	177.94636	29.24722	196	-179.92880	31.49722	270	-176.87481	31.59382
123	177.95989	29.29590	197	-179.89333	31.51105	271	-176.83616	31.58934
124	177.96959	29.32896	198	-179.83980	31.53119	272	-176.79756	31.58453
125	177.97946	29.36122	199	-179.78591	31.55062	273	-176.73979	31.57666
126	177.98970	29.39340	200	-179.74978	31.56318	274	-176.70136	31.57100
127	178.00575	29.44148	201	-179.71350	31.57542	275	-176.66300	31.56499
128	178.01692	29.47341	202	-179.65880	31.59317	276	-176.60561	31.55534
129	178.03438	29.52113	203	-179.62215	31.60460	277	-176.56718	31.54844
130	178.04647	29.55280	204	-179.56692	31.62114	278	-176.52911	31.54125
131	178.06531	29.60012	205	-179.51138	31.63695	279	-176.49114	31.53372
132	178.08497	29.64717	206	-179.47371	31.64721	280	-176.45325	31.52586
133	178.09853	29.67840	207	-179.41770	31.66179	281	-176.41282	31.51708
134	178.11268	29.71000	208	-179.38021	31.67109	282	-176.37095	31.50759
135	178.13426	29.75642	209	-179.33210	31.68252	283	-176.33338	31.49873
136	178.15665	29.80255	210	-179.28243	31.69383	284	-176.29414	31.48910
137	178.17203	29.83313	211	-179.23675	31.70369	285	-176.23818	31.47469
138	178.19577	29.87875	212	-179.19878	31.71149	286	-176.20102	31.46467
139	178.21216	29.90921	213	-179.16071	31.71896	287	-176.14552	31.44902
140	178.22879	29.93930	214	-179.10344	31.72953	288	-176.10869	31.43818
141	178.25439	29.98416	215	-179.06516	31.73615	289	-176.07199	31.42701
142	178.27525	30.01949	216	-179.00758	31.74546	290	-176.03543	31.41553
143	178.29311	30.04905	217	-178.94983	31.75399	291	-175.99902	31.40371
144	178.31861	30.09001	218	-178.90738	31.75980	292	-175.94468	31.38539
145	178.34009	30.12350	219	-178.86874	31.76473	293	-175.90865	31.37278
146	178.35931	30.15271	220	-178.82975	31.76934	294	-175.87278	31.35985
147	178.38857	30.19588	221	-178.79099	31.77358	295	-175.83644	31.34637
148	178.41018	30.22681	222	-178.75218	31.77748	296	-175.80089	31.33281
149	178.43934	30.26737	223	-178.71332	31.78104	297	-175.76551	31.31893
150	178.47063	30.30946	224	-178.67441	31.78425	298	-175.72777	31.30370
151	178.49239	30.33792	225	-178.63547	31.78712	299	-175.67361	31.30264
152	178.51400	30.36556	226	-178.59650	31.78964	300	-175.62462	31.30118
153	178.54703	30.40666	227	-178.55749	31.79182	301	-175.58577	31.29962
154	178.57973	30.44608	228	-178.51846	31.79366	302	-175.56300	31.29856
155	178.60482	30.47552	229	-178.47941	31.79515	303	-175.50480	31.29533
156	178.62805	30.50216	230	-178.43412	31.79649	304	-175.44667	31.29132
157	178.65341	30.53061	231	-178.39504	31.79729	305	-175.38862	31.28654
158	178.68811	30.56854	232	-178.35596	31.79775	306	-175.33066	31.28099
159	178.71589	30.59815	233	-178.32396	31.79786	307	-175.27281	31.27467
160	178.75298	30.63662	234	-178.28487	31.79769	308	-175.21509	31.26757
161	178.77809	30.66199	235	-178.24553	31.79717	309	-175.15433	31.25928
162	178.80351	30.68713	236	-178.20645	31.79631	310	-175.10019	31.25117
163	178.84220	30.72443	237	-178.16738	31.79510	311	-175.05021	31.24316
164	178.88157	30.76121	238	-178.12834	31.79354	312	-174.99307	31.23327
165	178.90818	30.78543	239	-178.08931	31.79165	313	-174.93613	31.22261
166	178.94864	30.82133	240	-178.05031	31.78940	314	-174.87938	31.21120
167	178.97598	30.84496	241	-178.01134	31.78682	315	-174.82112	31.19865
168	179.00360	30.86835	242	-177.97241	31.78389	316	-174.78357	31.19012
169	179.04556	30.90297	243	-177.93351	31.78061	317	-174.74612	31.18126
170	179.07393	30.92578	244	-177.89466	31.77699	318	-174.69017	31.16735

Point No.	Longitude	Latitude	Point No.	Longitude	Latitude	Point No.	Longitude	Latitude
319	-174.65301	31.15766	393	-172.22135	29.19567	467	-169.00106	28.51513
320	-174.61598	31.14764	394	-172.20103	29.14885	468	-168.95037	28.49263
321	-174.57907	31.13730	395	-172.18794	29.11749	469	-168.90010	28.46945
322	-174.54229	31.12663	396	-172.18269	29.10461	470	-168.85025	28.44559
323	-174.48737	31.11001	397	-172.14425	29.10857	471	-168.81726	28.42931
324	-174.43277	31.09266	398	-172.10644	29.11211	472	-168.76813	28.40432
325	-174.39656	31.08069	399	-172.06858	29.11531	473	-168.71946	28.37867
326	-174.36049	31.06840	400	-172.01172	29.11947	474	-168.67125	28.35237
327	-174.32457	31.05579	401	-171.95480	29.12286	475	-168.62352	28.32541
328	-174.28881	31.04287	402	-171.91682	29.12469	476	-168.58344	28.30203
329	-174.25322	31.02962	403	-171.87882	29.12618	477	-168.53902	28.30813
330	-174.21779	31.01607	404	-171.82179	29.12776	478	-168.48296	28.31510
331	-174.16782	30.99630	405	-171.78376	29.12839	479	-168.42677	28.32131
332	-174.12317	30.97807	406	-171.73360	29.12869	480	-168.37049	28.32675
333	-174.08834	30.96342	407	-171.67655	29.12830	481	-168.33291	28.32995
334	-174.03646	30.94087	408	-171.63852	29.12761	482	-168.27648	28.33411
335	-174.00210	30.92545	409	-171.60049	29.12658	483	-168.21998	28.33750
336	-173.95092	30.90176	410	-171.54349	29.12439	484	-168.16342	28.34011
337	-173.91394	30.88410	411	-171.50552	29.12249	485	-168.10683	28.34195
338	-173.88027	30.86763	412	-171.45928	29.11977	486	-168.05021	28.34302
339	-173.83015	30.84236	413	-171.42136	29.11719	487	-168.00043	28.34332
340	-173.79699	30.82515	414	-171.38347	29.11427	488	-167.94380	28.34293
341	-173.74828	30.79912	415	-171.32671	29.10925	489	-167.88718	28.34177
342	-173.71286	30.77965	416	-171.28892	29.10547	490	-167.83059	28.33983
343	-173.67333	30.75735	417	-171.25118	29.10135	491	-167.77404	28.33713
344	-173.63202	30.73339	418	-171.21350	29.09689	492	-167.73621	28.33488
345	-173.60020	30.71444	419	-171.17551	29.09204	493	-167.67976	28.33089
346	-173.56860	30.69522	420	-171.13794	29.08690	494	-167.62339	28.32613
347	-173.52165	30.66586	421	-171.10043	29.08142	495	-167.56712	28.32059
348	-173.49065	30.64594	422	-171.04430	29.07256	496	-167.51095	28.31429
349	-173.45306	30.62120	423	-171.00697	29.06623	497	-167.45490	28.30722
350	-173.40817	30.59091	424	-170.96972	29.05956	498	-167.39898	28.29939
351	-173.37804	30.57004	425	-170.93255	29.05256	499	-167.34321	28.29079
352	-173.34479	30.54651	426	-170.89547	29.04522	500	-167.30612	28.28464
353	-173.30046	30.51431	427	-170.85848	29.03755	501	-167.25063	28.27477
354	-173.25673	30.48153	428	-170.82159	29.02954	502	-167.21374	28.26778
355	-173.22791	30.45935	429	-170.78479	29.02120	503	-167.15856	28.25665
356	-173.19936	30.43692	430	-170.74809	29.01253	504	-167.10359	28.24478
357	-173.15960	30.40490	431	-170.69325	28.99890	505	-167.04884	28.23215
358	-173.12000	30.37227	432	-170.65683	28.98940	506	-166.99432	28.21878
359	-173.09242	30.34897	433	-170.60242	28.97453	507	-166.94004	28.20466
360	-173.06512	30.32542	434	-170.56630	28.96421	508	-166.88603	28.18981
361	-173.02470	30.28965	435	-170.53030	28.95356	509	-166.85017	28.17950
362	-172.98494	30.25335	436	-170.49444	28.94259	510	-166.81444	28.16886
363	-172.95880	30.22886	437	-170.44089	28.92552	511	-166.79269	28.16220
364	-172.93295	30.20413	438	-170.40537	28.91374	512	-166.76001	28.15196
365	-172.89474	30.16662	439	-170.36999	28.90164	513	-166.72461	28.14051
366	-172.85721	30.12860	440	-170.33476	28.88922	514	-166.68934	28.12874
367	-172.83096	30.10131	441	-170.29968	28.87648	515	-166.65422	28.11665
368	-172.79458	30.06247	442	-170.24735	28.85678	516	-166.61924	28.10424
369	-172.77072	30.03631	443	-170.21266	28.84325	517	-166.58441	28.09152
370	-172.74717	30.00995	444	-170.16441	28.82380	518	-166.54974	28.07847
371	-172.71244	29.97001	445	-170.11868	28.81843	519	-166.51522	28.06511
372	-172.67843	29.92961	446	-170.06241	28.81110	520	-166.48086	28.05144
373	-172.65616	29.90243	447	-170.00627	28.80301	521	-166.42964	28.03034
374	-172.62336	29.86129	448	-169.95029	28.79415	522	-166.39570	28.01589
375	-172.60190	29.83362	449	-169.89448	28.78454	523	-166.36193	28.00113
376	-172.57892	29.80334	450	-169.85736	28.77770	524	-166.31162	27.97842
377	-172.55812	29.77530	451	-169.80186	28.76683	525	-166.27830	27.96290
378	-172.52756	29.73290	452	-169.74655	28.75519	526	-166.24517	27.94707
379	-172.50760	29.70441	453	-169.69147	28.74281	527	-166.21223	27.93095
380	-172.48798	29.67574	454	-169.63661	28.72968	528	-166.17948	27.91452
381	-172.46870	29.64690	455	-169.60017	28.72051	529	-166.14693	27.89780
382	-172.44976	29.61789	456	-169.54573	28.70614	530	-166.11458	27.88078
383	-172.42200	29.57406	457	-169.49155	28.69103	531	-166.06622	27.85459
384	-172.40392	29.54464	458	-169.45559	28.68055	532	-166.03438	27.83684
385	-172.37746	29.50021	459	-169.40188	28.66422	533	-166.00275	27.81881
386	-172.35178	29.45544	460	-169.34847	28.64716	534	-165.97134	27.80048
387	-172.33510	29.42540	461	-169.29538	28.62937	535	-165.94014	27.78187
388	-172.31074	29.38007	462	-169.24262	28.61087	536	-165.90917	27.76298
389	-172.29495	29.34967	463	-169.19019	28.59165	537	-165.87842	27.74381
390	-172.27193	29.30382	464	-169.13811	28.57172	538	-165.83251	27.71439
391	-172.25703	29.27308	465	-169.08640	28.55108	539	-165.80234	27.69452
392	-172.23535	29.22673	466	-169.03506	28.52974	540	-165.77240	27.67438

Point No.	Longitude	Latitude	Point No.	Longitude	Latitude	Point No.	Longitude	Latitude
541	-165.74243	27.65378	615	-161.52642	23.81332	689	-163.62957	19.98361
542	-165.71297	27.63310	616	-161.47586	23.78888	690	-163.64735	20.01252
543	-165.68375	27.61215	617	-161.42708	23.76155	691	-163.66483	20.04159
544	-165.65478	27.59094	618	-161.38029	23.73144	692	-163.68201	20.07083
545	-165.62607	27.56946	619	-161.33566	23.69868	693	-163.69888	20.10022
546	-165.59760	27.54773	620	-161.29337	23.66338	694	-163.71545	20.12977
547	-165.56939	27.52573	621	-161.25360	23.62570	695	-163.73841	20.17192
548	-165.54144	27.50348	622	-161.21650	23.58578	696	-163.75664	20.18197
549	-165.50001	27.46963	623	-161.18221	23.54379	697	-163.78708	20.19906
550	-165.47272	27.44675	624	-161.15087	23.49989	698	-163.81734	20.21644
551	-165.44570	27.42363	625	-161.12260	23.45425	699	-163.84743	20.23409
552	-165.41895	27.40026	626	-161.09751	23.40707	700	-163.87734	20.25202
553	-165.39248	27.37664	627	-161.07569	23.35851	701	-163.90706	20.27022
554	-165.36628	27.35279	628	-161.05724	23.30879	702	-163.93659	20.28870
555	-165.34036	27.32870	629	-161.04221	23.25809	703	-163.95588	20.30099
556	-165.30201	27.29213	630	-161.03067	23.20662	704	-163.98535	20.29532
557	-165.27680	27.26746	631	-161.02266	23.15458	705	-164.02014	20.28893
558	-165.25188	27.24256	632	-161.01820	23.10217	706	-164.07244	20.27996
559	-165.21504	27.20478	633	-161.01730	23.04961	707	-164.12487	20.27171
560	-165.19085	27.17932	634	-161.01998	22.99711	708	-164.17742	20.26419
561	-165.16695	27.15365	635	-161.02620	22.94485	709	-164.23008	20.25739
562	-165.14335	27.12775	636	-161.03595	22.89307	710	-164.28284	20.25133
563	-165.12006	27.10164	637	-161.04919	22.84195	711	-164.33569	20.24599
564	-165.09707	27.07533	638	-161.06584	22.79170	712	-164.38861	20.24139
565	-165.07732	27.05226	639	-161.08586	22.74252	713	-164.44159	20.23752
566	-165.03132	27.03829	640	-161.10915	22.69460	714	-164.49463	20.23438
567	-164.99614	27.02718	641	-161.13562	22.64812	715	-164.54771	20.23197
568	-164.96109	27.01574	642	-161.16516	22.60327	716	-164.58106	20.23084
569	-164.90877	26.99799	643	-161.19766	22.56023	717	-164.60571	20.23016
570	-164.85677	26.97951	644	-161.23298	22.51916	718	-164.65884	20.22922
571	-164.82201	26.96670	645	-161.27099	22.48022	719	-164.71217	20.22902
572	-164.70700	26.92271	646	-161.31153	22.44356	720	-164.74760	20.22929
573	-164.68299	26.92268	647	-161.35444	22.40934	721	-164.78302	20.22990
574	-164.64572	26.92233	648	-161.39956	22.37767	722	-164.83614	20.23141
575	-164.58983	26.92117	649	-161.44671	22.34869	723	-164.88922	20.23366
576	-164.55259	26.91997	650	-161.49571	22.32250	724	-164.92459	20.23557
577	-164.51536	26.91843	651	-161.54635	22.29922	725	-164.97761	20.23904
578	-164.45955	26.91547	652	-161.59846	22.27892	726	-165.01292	20.24176
579	-164.40380	26.91174	653	-161.65181	22.26168	727	-165.04914	20.24489
580	-164.34813	26.90724	654	-161.70621	22.24758	728	-165.10201	20.25007
581	-164.29254	26.90197	655	-161.76145	22.23667	729	-165.13720	20.25393
582	-164.25554	26.89803	656	-161.81730	22.22899	730	-165.18992	20.26033
583	-164.21858	26.89375	657	-161.87356	22.22458	731	-165.24253	20.26745
584	-164.16325	26.88669	658	-161.93000	22.22343	732	-165.27754	20.27261
585	-164.10804	26.87887	659	-161.98641	22.22557	733	-165.31250	20.27808
586	-164.05299	26.87029	660	-162.04257	22.23099	734	-165.36483	20.28690
587	-164.01637	26.86414	661	-162.09826	22.23966	735	-165.41702	20.29644
588	-163.97983	26.85766	662	-162.00000	22.40727	736	-165.45173	20.30321
589	-163.92516	26.84731	663	-163.00000	19.23458	737	-165.50401	20.31402
590	-163.87068	26.83620	664	-163.02954	19.26137	738	-165.54798	20.32372
591	-163.81641	26.82434	665	-163.05474	19.28472	739	-165.60124	20.31609
592	-163.78034	26.81602	666	-163.07971	19.30831	740	-165.65391	20.30930
593	-163.74438	26.80737	667	-163.10443	19.33213	741	-165.70669	20.30323
594	-163.69063	26.79377	668	-163.12891	19.35619	742	-165.75955	20.29790
595	-163.63712	26.77943	669	-163.15314	19.38047	743	-165.81249	20.29329
596	-163.58387	26.76435	670	-163.18902	19.41731	744	-165.86549	20.28942
597	-163.54853	26.75389	671	-163.21262	19.44214	745	-165.91855	20.28628
598	-163.51331	26.74310	672	-163.23597	19.46720	746	-165.97164	20.28388
599	-163.46071	26.72632	673	-163.25906	19.49248	747	-166.02477	20.28221
600	-163.40842	26.70881	674	-163.28189	19.51796	748	-166.07792	20.28127
601	-163.35645	26.69058	675	-163.31564	19.55659	749	-166.13108	20.28107
602	-163.30480	26.67164	676	-163.33781	19.58261	750	-166.18423	20.28161
603	-163.27056	26.65861	677	-163.35971	19.60883	751	-166.23737	20.28287
604	-163.21948	26.63848	678	-163.38134	19.63525	752	-166.29049	20.28488
605	-163.16876	26.61765	679	-163.41328	19.67526	753	-166.34357	20.28762
606	-163.13516	26.60337	680	-163.43423	19.70218	754	-166.36478	20.28892
607	-163.08506	26.58138	681	-163.45490	19.72929	755	-166.39682	20.29110
608	-163.03536	26.55870	682	-163.47678	19.75859	756	-166.43214	20.29382
609	-163.00000	26.54202	683	-163.49689	19.78608	757	-166.48507	20.29852
610	-163.00000	24.11409	684	-163.51671	19.81376	758	-166.52032	20.30205
611	-161.74242	23.88042	685	-163.54591	19.85562	759	-166.57311	20.30796
612	-161.68679	23.86839	686	-163.56501	19.88376	760	-166.61798	20.31350
613	-161.63210	23.85316	687	-163.58383	19.91207	761	-166.65308	20.31816
614	-161.57857	23.83478	688	-163.60235	19.94056	762	-166.70563	20.32577

Point No.	Longitude	Latitude	Point No.	Longitude	Latitude	Point No.	Longitude	Latitude
763	-166.74060	20.33125	837	-169.23883	21.85466	911	-172.41274	22.46941
764	-166.77552	20.33705	838	-169.27247	21.86611	912	-172.46572	22.47892
765	-166.82777	20.34635	839	-169.32272	21.88387	913	-172.50095	22.48566
766	-166.87988	20.35637	840	-169.37269	21.90231	914	-172.55367	22.49638
767	-166.91453	20.36345	841	-169.42237	21.92143	915	-172.58872	22.50392
768	-166.94911	20.37085	842	-169.47175	21.94123	916	-172.64114	22.51582
769	-166.99267	20.38061	843	-169.52083	21.96170	917	-172.67599	22.52415
770	-167.02709	20.38865	844	-169.56958	21.98284	918	-172.71075	22.53279
771	-167.07857	20.40130	845	-169.61800	22.00464	919	-172.76272	22.54635
772	-167.11278	20.41012	846	-169.66608	22.02710	920	-172.79725	22.55578
773	-167.14689	20.41926	847	-169.71382	22.05022	921	-172.83168	22.56552
774	-167.19433	20.43226	848	-169.76119	22.07399	922	-172.86601	22.57558
775	-167.22830	20.44187	849	-169.80819	22.09840	923	-172.90601	22.58594
776	-167.26218	20.45180	850	-169.85481	22.12345	924	-172.95136	22.60207
777	-167.29596	20.46203	851	-169.90103	22.14914	925	-172.98531	22.61320
778	-167.32963	20.47258	852	-169.94686	22.17546	926	-173.03602	22.63048
779	-167.36319	20.48344	853	-169.97718	22.19335	927	-173.08645	22.64845
780	-167.39664	20.49460	854	-170.00653	22.21103	928	-173.11992	22.66081
781	-167.44659	20.51193	855	-170.05123	22.20415	929	-173.15325	22.67347
782	-167.47975	20.52386	856	-170.08671	22.19907	930	-173.18646	22.68643
783	-167.51278	20.53610	857	-170.12225	22.19430	931	-173.23601	22.70643
784	-167.54695	20.54912	858	-170.15783	22.18987	932	-173.26888	22.72014
785	-167.57973	20.56197	859	-170.19345	22.18575	933	-173.30160	22.73415
786	-167.61238	20.57511	860	-170.22911	22.18196	934	-173.34556	22.75354
787	-167.64489	20.58856	861	-170.26268	22.17688	935	-173.37723	22.74830
788	-167.67726	20.60230	862	-170.31843	22.17390	936	-173.41276	22.74274
789	-167.70949	20.61635	863	-170.35421	22.17125	937	-173.44836	22.73750
790	-167.74158	20.63068	864	-170.39001	22.16891	938	-173.48400	22.73258
791	-167.77351	20.64532	865	-170.42584	22.16691	939	-173.51970	22.72798
792	-167.80530	20.66024	866	-170.46169	22.16523	940	-173.55544	22.72371
793	-167.83694	20.67546	867	-170.51548	22.16332	941	-173.59122	22.71976
794	-167.86841	20.69097	868	-170.55136	22.16245	942	-173.62704	22.71613
795	-167.91533	20.71478	869	-170.58725	22.16191	943	-173.66290	22.71283
796	-167.94640	20.73101	870	-170.62314	22.16170	944	-173.69879	22.70985
797	-167.97731	20.74752	871	-170.65929	22.16181	945	-173.73471	22.70720
798	-168.00804	20.76432	872	-170.69518	22.16224	946	-173.77065	22.70487
799	-168.03861	20.78140	873	-170.73106	22.16301	947	-173.80661	22.70286
800	-168.08412	20.80755	874	-170.76693	22.16410	948	-173.84260	22.70118
801	-168.11424	20.82533	875	-170.80279	22.16551	949	-173.87860	22.69983
802	-168.14417	20.84338	876	-170.83863	22.16725	950	-173.91461	22.69880
803	-168.17392	20.86172	877	-170.89236	22.17047	951	-173.95063	22.69810
804	-168.20348	20.88032	878	-170.92815	22.17302	952	-173.98666	22.69772
805	-168.24746	20.90873	879	-170.96391	22.17590	953	-174.02268	22.69767
806	-168.27653	20.92801	880	-170.99964	22.17910	954	-174.05871	22.69794
807	-168.31977	20.95743	881	-171.03533	22.18262	955	-174.09473	22.69854
808	-168.36255	20.98744	882	-171.07099	22.18647	956	-174.13075	22.69947
809	-168.40487	21.01804	883	-171.12440	22.19286	957	-174.16675	22.70072
810	-168.43282	21.03877	884	-171.15995	22.19751	958	-174.20274	22.70229
811	-168.47433	21.07033	885	-171.19545	22.20249	959	-174.23871	22.70419
812	-168.50174	21.09169	886	-171.23089	22.20780	960	-174.27466	22.70642
813	-168.54244	21.12420	887	-171.28396	22.21635	961	-174.31059	22.70897
814	-168.58263	21.15727	888	-171.33689	22.22563	962	-174.34649	22.71185
815	-168.62230	21.19089	889	-171.38967	22.23563	963	-174.38235	22.71504
816	-168.66145	21.22506	890	-171.42477	22.24269	964	-174.41819	22.71857
817	-168.68726	21.24813	891	-171.47727	22.25389	965	-174.45398	22.72242
818	-168.71283	21.27145	892	-171.52961	22.26579	966	-174.48974	22.72659
819	-168.75073	21.30685	893	-171.58175	22.27841	967	-174.52545	22.73108
820	-168.77569	21.33074	894	-171.63370	22.29174	968	-174.56111	22.73589
821	-168.81266	21.36701	895	-171.68543	22.30577	969	-174.59672	22.74103
822	-168.83700	21.39147	896	-171.73694	22.32050	970	-174.63227	22.74649
823	-168.87302	21.42858	897	-171.78823	22.33594	971	-174.66777	22.75227
824	-168.90847	21.46618	898	-171.83927	22.35207	972	-174.70321	22.75837
825	-168.93178	21.49152	899	-171.89005	22.36889	973	-174.73859	22.76479
826	-168.96624	21.52992	900	-171.94057	22.38641	974	-174.77389	22.77153
827	-168.99177	21.55913	901	-171.99082	22.40461	975	-174.82672	22.78224
828	-169.02276	21.59546	902	-172.03998	22.42318	976	-174.86184	22.78978
829	-169.04473	21.62184	903	-172.09233	22.42751	977	-174.89689	22.79763
830	-169.07716	21.66178	904	-172.12811	22.43088	978	-174.93185	22.80580
831	-169.09844	21.68866	905	-172.18170	22.43653	979	-174.96673	22.81429
832	-169.12982	21.72934	906	-172.21738	22.44070	980	-175.00151	22.82309
833	-169.15039	21.75669	907	-172.25302	22.44519	981	-175.03621	22.83220
834	-169.18071	21.79808	908	-172.28861	22.45001	982	-175.07081	22.84163
835	-169.20232	21.82840	909	-172.32414	22.45515	983	-175.10531	22.85136
836	-169.21703	21.84743	910	-172.37735	22.46346	984	-175.13972	22.86141

Point No.	Longitude	Latitude	Point No.	Longitude	Latitude
985	-175.17401	22.87177	1059	-177.32315	24.58763
986	-175.20820	22.88244	1060	-177.33929	24.61762
987	-175.24228	22.89342	1061	-177.36249	24.66210
988	-175.27624	22.90471	1062	-177.38606	24.67081
989	-175.31009	22.91630	1063	-177.41985	24.68359
990	-175.34381	22.92820	1064	-177.45352	24.69667
991	-175.37741	22.94040	1065	-177.48704	24.71005
992	-175.41089	22.95290	1066	-177.53706	24.73067
993	-175.44423	22.96571	1067	-177.57023	24.74479
994	-175.47744	22.97882	1068	-177.60325	24.75920
995	-175.51051	22.99222	1069	-177.63612	24.77391
996	-175.54345	23.00593	1070	-177.66883	24.78890
997	-175.57624	23.01993	1071	-177.71760	24.81194
998	-175.60888	23.03422	1072	-177.74992	24.82767
999	-175.64138	23.04881	1073	-177.78207	24.84367
1000	-175.67372	23.06370	1074	-177.81404	24.85997
1001	-175.70591	23.07887	1075	-177.83690	24.87185
1002	-175.73795	23.09434	1076	-177.86667	24.87745
1003	-175.76982	23.11009	1077	-177.94111	24.88429
1004	-175.81731	23.13426	1078	-177.97195	24.88850
1005	-175.84877	23.15073	1079	-177.99642	24.89200
1006	-175.88005	23.16748	1080	-178.05062	24.90028
1007	-175.91116	23.18451	1081	-178.10469	24.90929
1008	-175.94209	23.20183	1082	-178.14066	24.91569
1009	-175.98815	23.22832	1083	-178.16577	24.92034
1010	-176.01862	23.24633	1084	-178.21953	24.93078
1011	-176.04891	23.26461	1085	-178.27313	24.94194
1012	-176.09398	23.29254	1086	-178.32655	24.95380
1013	-176.12379	23.31150	1087	-178.37978	24.96637
1014	-176.15339	23.33073	1088	-178.43281	24.97965
1015	-176.18280	23.35022	1089	-178.48563	24.99363
1016	-176.21200	23.36998	1090	-178.53822	25.00832
1017	-176.25542	23.40011	1091	-178.59058	25.02370
1018	-176.28410	23.42052	1092	-178.61445	25.03096
1019	-176.31256	23.44119	1093	-178.64360	25.04005
1020	-176.35486	23.47268	1094	-178.67821	25.05115
1021	-176.38278	23.49399	1095	-178.70077	25.05859
1022	-176.41048	23.51554	1096	-178.72148	25.06052
1023	-176.43795	23.53735	1097	-178.75794	25.06420
1024	-176.46520	23.55940	1098	-178.81257	25.07031
1025	-176.50563	23.59294	1099	-178.86732	25.07718
1026	-176.53229	23.61560	1100	-178.90360	25.08214
1027	-176.55872	23.63850	1101	-178.93984	25.08742
1028	-176.59790	23.67330	1102	-178.98140	25.09383
1029	-176.62372	23.69679	1103	-179.01755	25.09959
1030	-176.66199	23.73246	1104	-179.07166	25.10883
1031	-176.68719	23.75653	1105	-179.10765	25.11539
1032	-176.71213	23.78082	1106	-179.14357	25.12227
1033	-176.73682	23.80534	1107	-179.19731	25.13318
1034	-176.76125	23.83007	1108	-179.25088	25.14480
1035	-176.78542	23.85503	1109	-179.28649	25.15295
1036	-176.80933	23.88021	1110	-179.32201	25.16141
1037	-176.83297	23.90559	1111	-179.35744	25.17018
1038	-176.85635	23.93119	1112	-179.38198	25.17642
1039	-176.87945	23.95700	1113	-179.43515	25.19048
1040	-176.90229	23.98302	1114	-179.47030	25.20018
1041	-176.93602	24.02243	1115	-179.50534	25.21020
1042	-176.96913	24.06229	1116	-179.55771	25.22581
1043	-176.99085	24.08911	1117	-179.60982	25.24211
1044	-177.01229	24.11613	1118	-179.66167	25.25910
1045	-177.03344	24.14334	1119	-179.69609	25.27081
1046	-177.06462	24.18450	1120	-179.73039	25.28283
1047	-177.08505	24.21218	1121	-179.76456	25.29514
1048	-177.10518	24.24004	1122	-179.79860	25.30776
1049	-177.12502	24.26808	1123	-179.83251	25.32068
1050	-177.14456	24.29630	1124	-179.86628	25.33389
1051	-177.17331	24.33895	1125	-179.89991	25.34741
1052	-177.19210	24.36760	1126	-179.93340	25.36122
1053	-177.21058	24.39642	1127	-179.96674	25.37533
1054	-177.22875	24.42540	1128	-180.00000	25.38976
1055	-177.25544	24.46918			
1056	-177.27284	24.49856			
1057	-177.28992	24.52810			
1058	-177.30670	24.55779			

**Appendix B to Subpart W of Part 922—  
Coordinates for the Outer Sanctuary  
Zone**

[Coordinates listed in this appendix are unprojected (Geographic) and based on the North American Datum of 1983]

The boundaries for the areas listed in this appendix, unless otherwise described in this rule, begin at Point 1 as indicated in the particular area's coordinate table and continue to each successive point in numerical order until ending at the last point in the table.

Point No.	Longitude	Latitude
1	180.00000	25.38976
2	179.99985	25.38982
3	179.96681	25.40451
4	179.93392	25.41950
5	179.90119	25.43477
6	179.86863	25.45034
7	179.83622	25.46619
8	179.78793	25.49050
9	179.75595	25.50707
10	179.72415	25.52391
11	179.69252	25.54104
12	179.66108	25.55844
13	179.62981	25.57612
14	179.59874	25.59408
15	179.56786	25.61231
16	179.53716	25.63081
17	179.50667	25.64959
18	179.47637	25.66863
19	179.44627	25.68794
20	179.41638	25.70751
21	179.38670	25.72735
22	179.35722	25.74745
23	179.32796	25.76781
24	179.28448	25.79883
25	179.25576	25.81983
26	179.22255	25.84463
27	179.18175	25.87583
28	179.15383	25.89770
29	179.12613	25.91982
30	179.09868	25.94218
31	179.07146	25.96479
32	179.03108	25.99915
33	179.00447	26.02235
34	178.97810	26.04578
35	178.93902	26.08137
36	178.91329	26.10537
37	178.88781	26.12961
38	178.86259	26.15407
39	178.82525	26.19117
40	178.80068	26.21618
41	178.77639	26.24141
42	178.75236	26.26685
43	178.71684	26.30540
44	178.69349	26.33136
45	178.65901	26.37068
46	178.63637	26.39715
47	178.61378	26.42409
48	178.59171	26.45096
49	178.56993	26.47801
50	178.54844	26.50526
51	178.52724	26.53270
52	178.49600	26.57420
53	178.46544	26.61611
54	178.44544	26.64427
55	178.41601	26.68685
56	178.39677	26.71544
57	178.37784	26.74421
58	178.35922	26.77314
59	178.34092	26.80223



Point No.	Longitude	Latitude	Point No.	Longitude	Latitude	Point No.	Longitude	Latitude
60	178.30653	26.85803	134	178.11268	29.71000	208	-179.38021	31.67109
61	178.28885	26.88744	135	178.13426	29.75642	209	-179.33210	31.68252
62	178.26293	26.93184	136	178.15665	29.80255	210	-179.28243	31.69383
63	178.24606	26.96164	137	178.17203	29.83313	211	-179.23675	31.70369
64	178.22951	26.99158	138	178.19577	29.87875	212	-179.19878	31.71149
65	178.21329	27.02166	139	178.21216	29.90921	213	-179.16071	31.71896
66	178.19632	27.05394	140	178.22879	29.93930	214	-179.10344	31.72953
67	178.17402	27.09775	141	178.25439	29.98416	215	-179.06516	31.73615
68	178.15895	27.12831	142	178.27525	30.01949	216	-179.00758	31.74546
69	178.14422	27.15901	143	178.29311	30.04905	217	-178.94983	31.75399
70	178.12274	27.20530	144	178.31861	30.09002	218	-178.90738	31.75980
71	178.10884	27.23631	145	178.34009	30.12350	219	-178.86874	31.76473
72	178.08864	27.28305	146	178.35931	30.15271	220	-178.82975	31.76934
73	178.06920	27.33006	147	178.38857	30.19588	221	-178.79099	31.77358
74	178.05667	27.36154	148	178.41018	30.22681	222	-178.75218	31.77748
75	178.03853	27.40896	149	178.43934	30.26737	223	-178.71331	31.78104
76	178.02687	27.44071	150	178.47063	30.30946	224	-178.67441	31.78425
77	178.01003	27.48851	151	178.49239	30.33792	225	-178.63547	31.78712
78	177.99924	27.52051	152	178.51400	30.36556	226	-178.59650	31.78964
79	177.98881	27.55259	153	178.54703	30.40666	227	-178.55749	31.79182
80	177.97873	27.58477	154	178.57973	30.44608	228	-178.51846	31.79366
81	177.96901	27.61703	155	178.60482	30.47552	229	-178.47941	31.79515
82	177.95509	27.66559	156	178.62805	30.50217	230	-178.43412	31.79649
83	177.94198	27.71432	157	178.65341	30.53062	231	-178.39504	31.79729
84	177.93368	27.74690	158	178.68811	30.56854	232	-178.35596	31.79775
85	177.92568	27.77984	159	178.71589	30.59815	233	-178.32396	31.79786
86	177.91811	27.81256	160	178.75298	30.63662	234	-178.28487	31.79769
87	177.90744	27.86176	161	178.77809	30.66199	235	-178.24552	31.79717
88	177.90079	27.89464	162	178.80351	30.68714	236	-178.20645	31.79631
89	177.89149	27.94406	163	178.84220	30.72443	237	-178.16738	31.79510
90	177.88574	27.97707	164	178.88157	30.76121	238	-178.12834	31.79355
91	177.88037	28.01014	165	178.90818	30.78543	239	-178.08931	31.79165
92	177.87300	28.05982	166	178.94864	30.82133	240	-178.05031	31.78940
93	177.86647	28.10958	167	178.97598	30.84496	241	-178.01134	31.78682
94	177.86258	28.14281	168	179.00360	30.86835	242	-177.97241	31.78389
95	177.85744	28.19271	169	179.04556	30.90298	243	-177.93351	31.78061
96	177.85448	28.22601	170	179.07393	30.92578	244	-177.89466	31.77699
97	177.85073	28.27601	171	179.11693	30.95947	245	-177.85585	31.77303
98	177.84871	28.30936	172	179.14594	30.98161	246	-177.81646	31.76865
99	177.84706	28.34273	173	179.18995	31.01433	247	-177.77776	31.76401
100	177.84529	28.39281	174	179.21963	31.03582	248	-177.73912	31.75902
101	177.84437	28.44291	175	179.26462	31.06757	249	-177.70055	31.75369
102	177.84422	28.47631	176	179.29516	31.08855	250	-177.66205	31.74802
103	177.84445	28.50971	177	179.34112	31.11929	251	-177.62362	31.74202
104	177.84551	28.55981	178	179.38763	31.14941	252	-177.58526	31.73567
105	177.84670	28.59348	179	179.41894	31.16915	253	-177.54140	31.72800
106	177.84844	28.63098	180	179.45050	31.18861	254	-177.50321	31.72097
107	177.85148	28.68101	181	179.49827	31.21728	255	-177.46512	31.71361
108	177.85399	28.71434	182	179.54657	31.24532	256	-177.42712	31.70592
109	177.85761	28.75561	183	179.57905	31.26365	257	-177.38921	31.69788
110	177.86197	28.79830	184	179.61792	31.28512	258	-177.35141	31.68952
111	177.86786	28.84813	185	179.65085	31.30287	259	-177.31372	31.68082
112	177.87226	28.88131	186	179.70065	31.32895	260	-177.27613	31.67179
113	177.87543	28.90359	187	179.73411	31.34597	261	-177.23866	31.66242
114	177.87967	28.93174	188	179.77707	31.36728	262	-177.20131	31.65273
115	177.88514	28.96554	189	179.81095	31.38371	263	-177.16094	31.64185
116	177.89133	29.00123	190	179.86214	31.40779	264	-177.12384	31.63150
117	177.90063	29.05066	191	179.89652	31.42346	265	-177.08687	31.62082
118	177.90735	29.08379	192	179.94844	31.44640	266	-177.04995	31.60978
119	177.91806	29.13300	193	179.98329	31.46131	267	-176.99406	31.60543
120	177.92568	29.16572	194	-180.00000	31.46823	268	-176.95227	31.60174
121	177.93780	29.21468	195	-179.96410	31.48309	269	-176.91351	31.59795
122	177.94636	29.24723	196	-179.92880	31.49723	270	-176.87481	31.59382
123	177.95989	29.29590	197	-179.89333	31.51105	271	-176.83616	31.58934
124	177.96959	29.32896	198	-179.83980	31.53119	272	-176.79756	31.58453
125	177.97946	29.36123	199	-179.78591	31.55062	273	-176.73979	31.57666
126	177.98970	29.39340	200	-179.74978	31.56318	274	-176.70136	31.57100
127	178.00575	29.44148	201	-179.71350	31.57542	275	-176.66300	31.56499
128	178.01692	29.47341	202	-179.65880	31.59317	276	-176.60561	31.55534
129	178.03438	29.52113	203	-179.62215	31.60460	277	-176.56718	31.54844
130	178.04647	29.55280	204	-179.56691	31.62114	278	-176.52911	31.54125
131	178.06531	29.60012	205	-179.51138	31.63695	279	-176.49114	31.53372
132	178.08497	29.64717	206	-179.47371	31.64721	280	-176.45325	31.52586
133	178.09853	29.67840	207	-179.41770	31.66178	281	-176.41282	31.51708

Point No.	Longitude	Latitude	Point No.	Longitude	Latitude	Point No.	Longitude	Latitude
282	-176.37095	31.50759	356	-173.19936	30.43692	430	-170.74809	29.01253
283	-176.33338	31.49873	357	-173.15960	30.40490	431	-170.69325	28.99890
284	-176.29414	31.48910	358	-173.12000	30.37227	432	-170.65683	28.98940
285	-176.23818	31.47469	359	-173.09241	30.34897	433	-170.60242	28.97453
286	-176.20102	31.46467	360	-173.06512	30.32542	434	-170.56630	28.96421
287	-176.14552	31.44902	361	-173.02470	30.28965	435	-170.53030	28.95356
288	-176.10869	31.43818	362	-172.98494	30.25335	436	-170.49444	28.94259
289	-176.07199	31.42701	363	-172.95880	30.22886	437	-170.44089	28.92552
290	-176.03543	31.41553	364	-172.93295	30.20413	438	-170.40537	28.91374
291	-175.99902	31.40371	365	-172.89474	30.16662	439	-170.36999	28.90164
292	-175.94468	31.38539	366	-172.85721	30.12860	440	-170.33476	28.88922
293	-175.90865	31.37278	367	-172.83096	30.10131	441	-170.29968	28.87648
294	-175.87278	31.35985	368	-172.79458	30.06247	442	-170.24735	28.85678
295	-175.83644	31.34637	369	-172.77072	30.03631	443	-170.21266	28.84325
296	-175.80089	31.33281	370	-172.74717	30.00995	444	-170.16441	28.82380
297	-175.76551	31.31893	371	-172.71244	29.97001	445	-170.11868	28.81843
298	-175.72777	31.30370	372	-172.67843	29.92961	446	-170.06241	28.81110
299	-175.67361	31.30264	373	-172.65616	29.90243	447	-170.00627	28.80301
300	-175.62462	31.30118	374	-172.62336	29.86129	448	-169.95029	28.79415
301	-175.58577	31.29962	375	-172.60190	29.83362	449	-169.89448	28.78454
302	-175.56300	31.29856	376	-172.57892	29.80334	450	-169.85736	28.77770
303	-175.50480	31.29533	377	-172.55812	29.77530	451	-169.80186	28.76683
304	-175.44667	31.29132	378	-172.52756	29.73290	452	-169.74655	28.75519
305	-175.38861	31.28654	379	-172.50760	29.70441	453	-169.69147	28.74281
306	-175.33066	31.28099	380	-172.48798	29.67574	454	-169.63661	28.72968
307	-175.27281	31.27467	381	-172.46870	29.64690	455	-169.60017	28.72051
308	-175.21509	31.26757	382	-172.44976	29.61789	456	-169.54573	28.70614
309	-175.15434	31.25928	383	-172.42200	29.57406	457	-169.49155	28.69103
310	-175.10019	31.25117	384	-172.40392	29.54464	458	-169.45559	28.68055
311	-175.05021	31.24316	385	-172.37746	29.50021	459	-169.40188	28.66422
312	-174.99307	31.23327	386	-172.35178	29.45544	460	-169.34847	28.64716
313	-174.93613	31.22261	387	-172.33510	29.42540	461	-169.29538	28.62937
314	-174.87938	31.21120	388	-172.31074	29.38007	462	-169.24262	28.61087
315	-174.82112	31.19865	389	-172.29495	29.34967	463	-169.19019	28.59165
316	-174.78357	31.19012	390	-172.27193	29.30382	464	-169.13811	28.57172
317	-174.74613	31.18126	391	-172.25702	29.27308	465	-169.08640	28.55108
318	-174.69017	31.16735	392	-172.23535	29.22673	466	-169.03506	28.52974
319	-174.65301	31.15766	393	-172.22135	29.19567	467	-169.00106	28.51513
320	-174.61598	31.14765	394	-172.20103	29.14885	468	-168.95037	28.49264
321	-174.57907	31.13730	395	-172.18794	29.11749	469	-168.90010	28.46945
322	-174.54229	31.12663	396	-172.18269	29.10461	470	-168.85025	28.44559
323	-174.48737	31.11001	397	-172.14425	29.10857	471	-168.81726	28.42931
324	-174.43277	31.09266	398	-172.10644	29.11211	472	-168.76813	28.40432
325	-174.39656	31.08069	399	-172.06858	29.11531	473	-168.71946	28.37867
326	-174.36049	31.06840	400	-172.01172	29.11948	474	-168.67125	28.35237
327	-174.32457	31.05579	401	-171.95480	29.12286	475	-168.62352	28.32541
328	-174.28881	31.04287	402	-171.91682	29.12469	476	-168.58344	28.30203
329	-174.25322	31.02962	403	-171.87882	29.12618	477	-168.53902	28.30813
330	-174.21779	31.01607	404	-171.82179	29.12776	478	-168.48296	28.31510
331	-174.16782	30.99630	405	-171.78376	29.12839	479	-168.42677	28.32131
332	-174.12317	30.97807	406	-171.73360	29.12869	480	-168.37049	28.32675
333	-174.08835	30.96342	407	-171.67655	29.12830	481	-168.33291	28.32995
334	-174.03646	30.94087	408	-171.63852	29.12761	482	-168.27648	28.33411
335	-174.00210	30.92545	409	-171.60049	29.12658	483	-168.21998	28.33750
336	-173.95092	30.90176	410	-171.54349	29.12439	484	-168.16342	28.34011
337	-173.91394	30.88410	411	-171.50552	29.12250	485	-168.10683	28.34195
338	-173.88027	30.86763	412	-171.45928	29.11977	486	-168.05021	28.34302
339	-173.83014	30.84236	413	-171.42136	29.11719	487	-168.00043	28.34332
340	-173.79699	30.82515	414	-171.38347	29.11427	488	-167.94380	28.34293
341	-173.74828	30.79912	415	-171.32671	29.10925	489	-167.88718	28.34177
342	-173.71286	30.77965	416	-171.28892	29.10547	490	-167.83059	28.33984
343	-173.67333	30.75735	417	-171.25118	29.10135	491	-167.77404	28.33713
344	-173.63202	30.73338	418	-171.21350	29.09689	492	-167.73621	28.33489
345	-173.60020	30.71444	419	-171.17551	29.09204	493	-167.67976	28.33089
346	-173.56860	30.69522	420	-171.13794	29.08690	494	-167.62339	28.32613
347	-173.52165	30.66586	421	-171.10043	29.08142	495	-167.56712	28.32059
348	-173.49065	30.64594	422	-171.04430	29.07256	496	-167.51095	28.31429
349	-173.45306	30.62120	423	-171.00697	29.06623	497	-167.45490	28.30722
350	-173.40817	30.59091	424	-170.96972	29.05956	498	-167.39898	28.29939
351	-173.37804	30.57004	425	-170.93255	29.05256	499	-167.34321	28.29079
352	-173.34479	30.54651	426	-170.89547	29.04522	500	-167.30612	28.28464
353	-173.30046	30.51431	427	-170.85848	29.03755	501	-167.25063	28.27477
354	-173.25673	30.48153	428	-170.82159	29.02954	502	-167.21374	28.26778
355	-173.22791	30.45935	429	-170.78479	29.02120	503	-167.15856	28.25665

Point No.	Longitude	Latitude	Point No.	Longitude	Latitude	Point No.	Longitude	Latitude
504	-167.10359	28.24478	578	-164.45955	26.91547	652	-179.09506	28.91204
505	-167.04883	28.23215	579	-164.40380	26.91174	653	-179.12848	28.86852
506	-166.99432	28.21878	580	-164.34813	26.90724	654	-179.15870	28.82324
507	-166.94004	28.20466	581	-164.29254	26.90197	655	-179.18560	28.77636
508	-166.88603	28.18981	582	-164.25554	26.89803	656	-179.20909	28.72809
509	-166.85017	28.17950	583	-164.21858	26.89375	657	-179.22907	28.67861
510	-166.81444	28.16886	584	-164.16325	26.88669	658	-179.24548	28.62811
511	-166.79269	28.16221	585	-164.10804	26.87887	659	-179.25824	28.57681
512	-166.76001	28.15196	586	-164.05299	26.87029	660	-179.27032	28.52490
513	-166.72461	28.14051	587	-164.01637	26.86414	661	-179.27269	28.47258
514	-166.68934	28.12874	588	-163.97983	26.85766	662	-179.27400	28.43037
515	-166.65422	28.11665	589	-163.92516	26.84731	663	-179.27432	28.42008
516	-166.61924	28.10424	590	-163.87068	26.83620	664	-179.27400	28.41208
517	-166.58441	28.09152	591	-163.81641	26.82434	665	-179.27222	28.36758
518	-166.54974	28.07847	592	-163.78034	26.81602	666	-179.26640	28.31530
519	-166.51522	28.06511	593	-163.74438	26.80737	667	-179.25689	28.26345
520	-166.48086	28.05144	594	-163.69063	26.79377	668	-179.24374	28.21223
521	-166.42964	28.03034	595	-163.63712	26.77943	669	-179.22699	28.16184
522	-166.39570	28.01589	596	-163.58387	26.76435	670	-179.20673	28.11247
523	-166.36193	28.00113	597	-163.54853	26.75389	671	-179.18302	28.06433
524	-166.31162	27.97842	598	-163.51331	26.74311	672	-179.15598	28.01760
525	-166.27830	27.96290	599	-163.46071	26.72632	673	-179.12572	27.97246
526	-166.24517	27.94707	600	-163.40842	26.70881	674	-179.09234	27.92909
527	-166.21223	27.93095	601	-163.35645	26.69058	675	-179.05599	27.88765
528	-166.17948	27.91452	602	-163.30480	26.67164	676	-179.01681	27.84832
529	-166.14693	27.89780	603	-163.27056	26.65861	677	-178.97496	27.81123
530	-166.11458	27.88078	604	-163.21948	26.63848	678	-178.93061	27.77654
531	-166.06622	27.85459	605	-163.16876	26.61765	679	-178.88391	27.74438
532	-166.03438	27.83684	606	-163.13516	26.60338	680	-178.83507	27.71488
533	-166.00275	27.81881	607	-163.08506	26.58138	681	-178.78427	27.68814
534	-165.97134	27.80048	608	-163.03536	26.55870	682	-178.73170	27.66428
535	-165.94014	27.78187	609	-163.00000	26.54202	683	-178.67758	27.64338
536	-165.90917	27.76298	610	-163.00000	24.11409	684	-178.62211	27.62552
537	-165.87842	27.74381	611	-164.53740	24.39976	685	-178.56551	27.61078
538	-165.83251	27.71439	612	-165.58333	24.59413	686	-178.49843	27.59784
539	-165.80234	27.69452	613	-166.05600	24.68197	687	-177.55523	27.41586
540	-165.77240	27.67438	614	-166.75000	25.17393	688	-176.49794	27.24611
541	-165.74242	27.65378	615	-167.32998	25.58506	689	-175.00000	25.83069
542	-165.71296	27.63310	616	-167.44143	25.66407	690	-174.41400	25.27697
543	-165.68375	27.61215	617	-167.61200	25.78498	691	-171.83651	24.93729
544	-165.65478	27.59094	618	-167.80596	25.81664	692	-170.86958	24.62936
545	-165.62607	27.56946	619	-167.96475	25.84257	693	-170.83964	24.61983
546	-165.59760	27.54773	620	-170.38404	26.23759	694	-170.79300	24.60497
547	-165.56939	27.52573	621	-171.41934	26.55588	695	-170.73999	24.59633
548	-165.54144	27.50348	622	-171.45849	26.56791	696	-168.38105	24.21167
549	-165.50001	27.46963	623	-171.51400	26.58498	697	-168.38083	24.21163
550	-165.47272	27.44675	624	-171.56405	26.59157	698	-168.38072	24.21155
551	-165.44570	27.42363	625	-171.62846	26.60005	699	-166.79085	23.09144
552	-165.41895	27.40026	626	-173.51320	26.84822	700	-166.75000	23.06265
553	-165.39248	27.37664	627	-175.00000	28.26784	701	-166.60000	22.95697
554	-165.36628	27.35279	628	-175.17766	28.43748	702	-166.38872	22.93221
555	-165.34036	27.32870	629	-175.32900	28.58198	703	-166.32723	22.92501
556	-165.30201	27.29213	630	-175.57260	28.64457	704	-165.58333	22.83782
557	-165.27680	27.26746	631	-175.59127	28.64937	705	-164.86038	22.75309
558	-165.25188	27.24255	632	-177.12157	29.04257	706	-163.00000	22.40727
559	-165.21504	27.20478	633	-177.20130	29.05797	707	-163.00000	19.23458
560	-165.19085	27.17932	634	-178.14636	29.24060	708	-163.02954	19.26137
561	-165.16695	27.15365	635	-178.20545	29.24908	709	-163.05474	19.28472
562	-165.14335	27.12775	636	-178.26503	29.25427	710	-163.07970	19.30831
563	-165.12006	27.10165	637	-178.32487	29.25614	711	-163.10443	19.33213
564	-165.09707	27.07533	638	-178.38473	29.25468	712	-163.12891	19.35619
565	-165.07732	27.05226	639	-178.44436	29.24991	713	-163.15314	19.38047
566	-165.03132	27.03829	640	-178.50352	29.24183	714	-163.18902	19.41731
567	-164.99614	27.02718	641	-178.56197	29.23049	715	-163.21262	19.44214
568	-164.96109	27.01574	642	-178.61949	29.21593	716	-163.23597	19.46720
569	-164.90877	26.99799	643	-178.67583	29.19820	717	-163.25906	19.49247
570	-164.85677	26.97951	644	-178.73077	29.17738	718	-163.28189	19.51796
571	-164.82201	26.96670	645	-178.78409	29.15356	719	-163.31564	19.55659
572	-164.70700	26.92271	646	-178.83557	29.12682	720	-163.33781	19.58261
573	-164.68299	26.92268	647	-178.88501	29.09728	721	-163.35971	19.60883
574	-164.64572	26.92233	648	-178.93222	29.06506	722	-163.38134	19.63525
575	-164.58983	26.92118	649	-178.97700	29.03028	723	-163.41328	19.67526
576	-164.55259	26.91997	650	-179.01917	28.99308	724	-163.43423	19.70218
577	-164.51536	26.91843	651	-179.05858	28.95361	725	-163.45489	19.72929

Point No.	Longitude	Latitude	Point No.	Longitude	Latitude	Point No.	Longitude	Latitude
726	-163.47678	19.75859	800	-166.43214	20.29382	874	-169.07716	21.66178
727	-163.49689	19.78608	801	-166.48507	20.29852	875	-169.09844	21.68866
728	-163.51671	19.81376	802	-166.52032	20.30205	876	-169.12982	21.72934
729	-163.54591	19.85563	803	-166.57311	20.30796	877	-169.15039	21.75669
730	-163.56501	19.88376	804	-166.61798	20.31350	878	-169.18071	21.79808
731	-163.58383	19.91207	805	-166.65308	20.31816	879	-169.20233	21.82840
732	-163.60235	19.94056	806	-166.70563	20.32577	880	-169.21703	21.84743
733	-163.62957	19.98361	807	-166.74060	20.33125	881	-169.23883	21.85466
734	-163.64735	20.01252	808	-166.77552	20.33705	882	-169.27247	21.86611
735	-163.66483	20.04159	809	-166.82777	20.34635	883	-169.32272	21.88387
736	-163.68201	20.07082	810	-166.87988	20.35637	884	-169.37269	21.90231
737	-163.69888	20.10022	811	-166.91453	20.36345	885	-169.42237	21.92143
738	-163.71545	20.12977	812	-166.94911	20.37085	886	-169.47175	21.94122
739	-163.73841	20.17193	813	-166.99267	20.38061	887	-169.52083	21.96170
740	-163.75664	20.18197	814	-167.02709	20.38865	888	-169.56958	21.98284
741	-163.78708	20.19906	815	-167.07857	20.40130	889	-169.61800	22.00464
742	-163.81734	20.21644	816	-167.11278	20.41012	890	-169.66609	22.02710
743	-163.84743	20.23409	817	-167.14689	20.41926	891	-169.71382	22.05022
744	-163.87734	20.25202	818	-167.19433	20.43226	892	-169.76119	22.07399
745	-163.90706	20.27023	819	-167.22831	20.44187	893	-169.80819	22.09840
746	-163.93659	20.28870	820	-167.26218	20.45180	894	-169.85481	22.12345
747	-163.95588	20.30099	821	-167.29596	20.46203	895	-169.90103	22.14914
748	-163.98535	20.29532	822	-167.32963	20.47258	896	-169.94686	22.17546
749	-164.02014	20.28893	823	-167.36319	20.48344	897	-169.97718	22.19335
750	-164.07244	20.27996	824	-167.39664	20.49460	898	-170.00653	22.21103
751	-164.12487	20.27171	825	-167.44659	20.51193	899	-170.05123	22.20415
752	-164.17742	20.26419	826	-167.47975	20.52386	900	-170.08671	22.19907
753	-164.23008	20.25739	827	-167.51278	20.53610	901	-170.12224	22.19431
754	-164.28284	20.25133	828	-167.54695	20.54913	902	-170.15783	22.18987
755	-164.33569	20.24599	829	-167.57973	20.56197	903	-170.19345	22.18575
756	-164.38861	20.24139	830	-167.61238	20.57511	904	-170.22911	22.18196
757	-164.44159	20.23752	831	-167.64489	20.58856	905	-170.28268	22.17688
758	-164.49463	20.23438	832	-167.67726	20.60230	906	-170.31843	22.17390
759	-164.54771	20.23197	833	-167.70949	20.61634	907	-170.35421	22.17125
760	-164.58106	20.23084	834	-167.74158	20.63068	908	-170.39002	22.16891
761	-164.60571	20.23016	835	-167.77351	20.64532	909	-170.42584	22.16691
762	-164.65884	20.22922	836	-167.80530	20.66024	910	-170.46169	22.16523
763	-164.71217	20.22902	837	-167.83694	20.67546	911	-170.51549	22.16332
764	-164.74760	20.22930	838	-167.86841	20.69097	912	-170.55136	22.16245
765	-164.78302	20.22990	839	-167.91533	20.71478	913	-170.58725	22.16191
766	-164.83614	20.23141	840	-167.94640	20.73101	914	-170.62314	22.16170
767	-164.88922	20.23366	841	-167.97731	20.74752	915	-170.65929	22.16181
768	-164.92459	20.23557	842	-168.00804	20.76432	916	-170.69518	22.16224
769	-164.97761	20.23904	843	-168.03861	20.78140	917	-170.73106	22.16301
770	-165.01292	20.24176	844	-168.08412	20.80755	918	-170.76693	22.16410
771	-165.04914	20.24489	845	-168.11424	20.82533	919	-170.80279	22.16551
772	-165.10200	20.25007	846	-168.14417	20.84338	920	-170.83863	22.16725
773	-165.13720	20.25393	847	-168.17392	20.86172	921	-170.89236	22.17047
774	-165.18992	20.26033	848	-168.20348	20.88032	922	-170.92815	22.17302
775	-165.24253	20.26745	849	-168.24746	20.90873	923	-170.96391	22.17590
776	-165.27754	20.27261	850	-168.27653	20.92801	924	-170.99964	22.17910
777	-165.31250	20.27808	851	-168.31977	20.95743	925	-171.03533	22.18263
778	-165.36483	20.28690	852	-168.36255	20.98744	926	-171.07099	22.18648
779	-165.41702	20.29644	853	-168.40487	21.01804	927	-171.12440	22.19286
780	-165.45173	20.30321	854	-168.43282	21.03877	928	-171.15995	22.19751
781	-165.50401	20.31402	855	-168.47433	21.07033	929	-171.19545	22.20249
782	-165.54798	20.32372	856	-168.50174	21.09169	930	-171.23089	22.20780
783	-165.60124	20.31609	857	-168.54244	21.12420	931	-171.28396	22.21635
784	-165.65391	20.30930	858	-168.58263	21.15727	932	-171.33689	22.22563
785	-165.70669	20.30323	859	-168.62230	21.19089	933	-171.38967	22.23563
786	-165.75955	20.29790	860	-168.66145	21.22506	934	-171.42477	22.24269
787	-165.81249	20.29329	861	-168.68726	21.24813	935	-171.47727	22.25389
788	-165.86549	20.28942	862	-168.71283	21.27145	936	-171.52961	22.26579
789	-165.91855	20.28628	863	-168.75073	21.30685	937	-171.58175	22.27841
790	-165.97164	20.28388	864	-168.77569	21.33075	938	-171.63369	22.29174
791	-166.02477	20.28221	865	-168.81266	21.36701	939	-171.68543	22.30577
792	-166.07792	20.28127	866	-168.83700	21.39147	940	-171.73694	22.32050
793	-166.13108	20.28107	867	-168.87302	21.42858	941	-171.78823	22.33594
794	-166.18423	20.28160	868	-168.90847	21.46618	942	-171.83927	22.35207
795	-166.23737	20.28288	869	-168.93178	21.49152	943	-171.89005	22.36889
796	-166.29049	20.28488	870	-168.96624	21.52992	944	-171.94057	22.38641
797	-166.34357	20.28762	871	-168.99177	21.55913	945	-171.99082	22.40461
798	-166.36478	20.28892	872	-169.02276	21.59546	946	-172.03998	22.42318
799	-166.39682	20.29110	873	-169.04473	21.62184	947	-172.09233	22.42751

Point No.	Longitude	Latitude	Point No.	Longitude	Latitude	Point No.	Longitude	Latitude
948	-172.12811	22.43088	1022	-174.93185	22.80580	1096	-177.19209	24.36760
949	-172.18170	22.43653	1023	-174.96673	22.81429	1097	-177.21058	24.39642
950	-172.21738	22.44070	1024	-175.00151	22.82308	1098	-177.22875	24.42540
951	-172.25302	22.44519	1025	-175.03621	22.83220	1099	-177.25544	24.46918
952	-172.28861	22.45001	1026	-175.07081	22.84163	1100	-177.27284	24.49856
953	-172.32414	22.45515	1027	-175.10531	22.85136	1101	-177.28992	24.52810
954	-172.37735	22.46346	1028	-175.13972	22.86141	1102	-177.30670	24.55779
955	-172.41274	22.46941	1029	-175.17401	22.87178	1103	-177.32315	24.58763
956	-172.46572	22.47892	1030	-175.20820	22.88244	1104	-177.33929	24.61762
957	-172.50095	22.48567	1031	-175.24228	22.89342	1105	-177.36249	24.66210
958	-172.55366	22.49638	1032	-175.27624	22.90471	1106	-177.38606	24.67081
959	-172.58872	22.50392	1033	-175.31009	22.91630	1107	-177.41985	24.68359
960	-172.64114	22.51582	1034	-175.34381	22.92820	1108	-177.45352	24.69667
961	-172.67599	22.52415	1035	-175.37741	22.94040	1109	-177.48704	24.71005
962	-172.71075	22.53279	1036	-175.41089	22.95290	1110	-177.53706	24.73067
963	-172.76272	22.54635	1037	-175.44423	22.96571	1111	-177.57023	24.74479
964	-172.79725	22.55578	1038	-175.47744	22.97882	1112	-177.60325	24.75920
965	-172.83168	22.56552	1039	-175.51051	22.99222	1113	-177.63612	24.77391
966	-172.86601	22.57558	1040	-175.54345	23.00593	1114	-177.66883	24.78891
967	-172.90023	22.58594	1041	-175.57624	23.01993	1115	-177.71760	24.81195
968	-172.95136	22.60207	1042	-175.60888	23.03422	1116	-177.74992	24.82767
969	-172.98531	22.61320	1043	-175.64138	23.04881	1117	-177.78206	24.84367
970	-173.03602	22.63048	1044	-175.67372	23.06370	1118	-177.81404	24.85996
971	-173.08645	22.64845	1045	-175.70591	23.07887	1119	-177.83690	24.87185
972	-173.11992	22.66081	1046	-175.73795	23.09434	1120	-177.88667	24.87745
973	-173.15325	22.67347	1047	-175.76982	23.11009	1121	-177.94111	24.88429
974	-173.18646	22.68643	1048	-175.81731	23.13426	1122	-177.97195	24.88850
975	-173.23601	22.70643	1049	-175.84877	23.15073	1123	-177.99642	24.89200
976	-173.26888	22.72014	1050	-175.88005	23.16748	1124	-178.05062	24.90028
977	-173.30160	22.73415	1051	-175.91116	23.18451	1125	-178.10469	24.90929
978	-173.34556	22.75354	1052	-175.94209	23.20183	1126	-178.14066	24.91569
979	-173.37723	22.74830	1053	-175.98815	23.22832	1127	-178.16577	24.92034
980	-173.41277	22.74274	1054	-176.01862	23.24633	1128	-178.21953	24.93078
981	-173.44836	22.73750	1055	-176.04891	23.26461	1129	-178.27313	24.94194
982	-173.48400	22.73258	1056	-176.09398	23.29254	1130	-178.32655	24.95380
983	-173.51970	22.72798	1057	-176.12379	23.31150	1131	-178.37978	24.96637
984	-173.55544	22.72371	1058	-176.15339	23.33073	1132	-178.43281	24.97965
985	-173.59122	22.71976	1059	-176.18280	23.35022	1133	-178.48563	24.99363
986	-173.62704	22.71613	1060	-176.21200	23.36998	1134	-178.53822	25.00832
987	-173.66290	22.71283	1061	-176.25542	23.40011	1135	-178.59058	25.02370
988	-173.69879	22.70985	1062	-176.28410	23.42053	1136	-178.61445	25.03096
989	-173.73470	22.70720	1063	-176.31256	23.44120	1137	-178.64360	25.04005
990	-173.77065	22.70487	1064	-176.35486	23.47268	1138	-178.67821	25.05115
991	-173.80661	22.70286	1065	-176.38278	23.49399	1139	-178.70077	25.05859
992	-173.84260	22.70118	1066	-176.41048	23.51554	1140	-178.72148	25.06052
993	-173.87860	22.69983	1067	-176.43795	23.53735	1141	-178.75794	25.06420
994	-173.91461	22.69880	1068	-176.46520	23.55940	1142	-178.81257	25.07031
995	-173.95063	22.69810	1069	-176.50563	23.59294	1143	-178.86732	25.07718
996	-173.98666	22.69772	1070	-176.53229	23.61560	1144	-178.90360	25.08214
997	-174.02268	22.69767	1071	-176.55872	23.63850	1145	-178.93984	25.08742
998	-174.05871	22.69794	1072	-176.59790	23.67330	1146	-178.98140	25.09382
999	-174.09473	22.69854	1073	-176.62372	23.69679	1147	-179.01755	25.09959
1000	-174.13075	22.69947	1074	-176.66199	23.73246	1148	-179.07166	25.10883
1001	-174.16675	22.70072	1075	-176.68719	23.75653	1149	-179.10765	25.11539
1002	-174.20274	22.70229	1076	-176.71213	23.78082	1150	-179.14357	25.12227
1003	-174.23871	22.70419	1077	-176.73682	23.80534	1151	-179.19731	25.13318
1004	-174.27466	22.70642	1078	-176.76125	23.83007	1152	-179.25088	25.14480
1005	-174.31059	22.70897	1079	-176.78542	23.85503	1153	-179.28649	25.15295
1006	-174.34649	22.71185	1080	-176.80933	23.88021	1154	-179.32201	25.16140
1007	-174.38235	22.71505	1081	-176.83297	23.90559	1155	-179.35744	25.17018
1008	-174.41819	22.71857	1082	-176.85635	23.93119	1156	-179.38198	25.17642
1009	-174.45398	22.72242	1083	-176.87945	23.95700	1157	-179.43516	25.19048
1010	-174.48974	22.72659	1084	-176.90229	23.98302	1158	-179.47030	25.20018
1011	-174.52545	22.73108	1085	-176.93602	24.02243	1159	-179.50534	25.21020
1012	-174.56111	22.73589	1086	-176.96913	24.06229	1160	-179.55770	25.22581
1013	-174.59672	22.74103	1087	-176.99085	24.08911	1161	-179.60982	25.24211
1014	-174.63227	22.74649	1088	-177.01229	24.11613	1162	-179.66168	25.25911
1015	-174.66777	22.75227	1089	-177.03344	24.14334	1163	-179.69610	25.27081
1016	-174.70321	22.75837	1090	-177.06462	24.18451	1164	-179.73039	25.28283
1017	-174.73859	22.76479	1091	-177.08505	24.21218	1165	-179.76456	25.29514
1018	-174.77389	22.77154	1092	-177.10518	24.24004	1166	-179.79860	25.30776
1019	-174.82672	22.78224	1093	-177.12502	24.26808	1167	-179.83251	25.32068
1020	-174.86184	22.78978	1094	-177.14456	24.29630	1168	-179.86628	25.33389
1021	-174.89689	22.79763	1095	-177.17331	24.33895	1169	-179.89991	25.34741

Point No.	Longitude	Latitude
1170 .....	-179.93340	25.36122
1171 .....	-179.96674	25.37533
1172 .....	-180.00000	25.38976

**Appendix C to Subpart W of Part 922—  
Coordinates for the Midway Atoll  
Special Management Area**

[Coordinates listed in this appendix are unprojected (Geographic) and based on the North American Datum of 1983]

The boundaries for the areas listed in this appendix, unless otherwise described in this rule, begin at Point 1 as indicated in the particular area's coordinate table and continue to each successive point in numerical order until ending at the last point in the table.

Point No.	Longitude	Latitude
1 .....	-177.08955	28.24843
2 .....	-177.08746	28.20746
3 .....	-177.08807	28.20039
4 .....	-177.08784	28.19413
5 .....	-177.08714	28.18773
6 .....	-177.08675	28.17981
7 .....	-177.08685	28.17805
8 .....	-177.09492	28.15837
9 .....	-177.10266	28.14167
10 .....	-177.10685	28.13347
11 .....	-177.12055	28.10937
12 .....	-177.12905	28.09614
13 .....	-177.13930	28.08402
14 .....	-177.14478	28.07745
15 .....	-177.14835	28.07359
16 .....	-177.15014	28.07029
17 .....	-177.15425	28.06622
18 .....	-177.16032	28.06163
19 .....	-177.17073	28.05368
20 .....	-177.18451	28.04293
21 .....	-177.19497	28.03652
22 .....	-177.20126	28.03328
23 .....	-177.21758	28.02455
24 .....	-177.22558	28.02062
25 .....	-177.24634	28.01309
26 .....	-177.26874	28.00536
27 .....	-177.28593	28.00286
28 .....	-177.29121	28.00182
29 .....	-177.31326	27.99812
30 .....	-177.32347	27.99681
31 .....	-177.33018	27.99592
32 .....	-177.34277	27.99426
33 .....	-177.35598	27.99264
34 .....	-177.36949	27.99083
35 .....	-177.37935	27.99086
36 .....	-177.40144	27.99078
37 .....	-177.40505	27.99113
38 .....	-177.43205	27.99376
39 .....	-177.47772	28.00286
40 .....	-177.49254	28.00680
41 .....	-177.50854	28.01094
42 .....	-177.52096	28.01549
43 .....	-177.53867	28.02638
44 .....	-177.55653	28.03706
45 .....	-177.57532	28.05208
46 .....	-177.58846	28.06265
47 .....	-177.59622	28.06789
48 .....	-177.60135	28.07601
49 .....	-177.62006	28.10264
50 .....	-177.63751	28.13400
51 .....	-177.64543	28.14824
52 .....	-177.64822	28.16145
53 .....	-177.65246	28.18050

Point No.	Longitude	Latitude
54 .....	-177.65547	28.19434
55 .....	-177.65675	28.20088
56 .....	-177.65784	28.21354
57 .....	-177.65334	28.23184
58 .....	-177.65201	28.23753
59 .....	-177.65356	28.25431
60 .....	-177.65370	28.25897
61 .....	-177.64485	28.28180
62 .....	-177.63917	28.29737
63 .....	-177.63311	28.30658
64 .....	-177.62398	28.32071
65 .....	-177.61280	28.33404
66 .....	-177.60942	28.33819
67 .....	-177.60305	28.35468
68 .....	-177.59751	28.36931
69 .....	-177.59223	28.37618
70 .....	-177.58369	28.38566
71 .....	-177.57201	28.39836
72 .....	-177.56751	28.40427
73 .....	-177.56371	28.40708
74 .....	-177.56083	28.40921
75 .....	-177.54724	28.42088
76 .....	-177.53575	28.43063
77 .....	-177.53169	28.43369
78 .....	-177.52645	28.43765
79 .....	-177.51294	28.44685
80 .....	-177.50036	28.45508
81 .....	-177.49213	28.46057
82 .....	-177.48856	28.46154
83 .....	-177.44919	28.47563
84 .....	-177.43381	28.48016
85 .....	-177.42573	28.48263
86 .....	-177.41843	28.48290
87 .....	-177.41073	28.48296
88 .....	-177.40079	28.48392
89 .....	-177.39471	28.48423
90 .....	-177.38430	28.48485
91 .....	-177.37739	28.48485
92 .....	-177.36644	28.48402
93 .....	-177.35961	28.48348
94 .....	-177.34200	28.48260
95 .....	-177.33494	28.48212
96 .....	-177.32593	28.48150
97 .....	-177.31568	28.47855
98 .....	-177.30326	28.47485
99 .....	-177.28841	28.46971
100 .....	-177.26868	28.46353
101 .....	-177.24613	28.45463
102 .....	-177.22835	28.44555
103 .....	-177.20144	28.42977
104 .....	-177.18994	28.42291
105 .....	-177.17441	28.41273
106 .....	-177.16004	28.39797
107 .....	-177.14459	28.38222
108 .....	-177.13946	28.37700
109 .....	-177.13356	28.36519
110 .....	-177.12744	28.35256
111 .....	-177.12069	28.33683
112 .....	-177.10531	28.30631
113 .....	-177.09483	28.27704
114 .....	-177.09204	28.26549
115 .....	-177.09085	28.25735
116 .....	-177.08955	28.24843

particular area's coordinate table and continue to each successive point in numerical order until ending at the last point in the table.

Point No.	Longitude	Latitude
1 .....	-178.23368	28.40709
2 .....	-178.23399	28.40003
3 .....	-178.23440	28.39722
4 .....	-178.23512	28.39369
5 .....	-178.23696	28.38789
6 .....	-178.23973	28.37883
7 .....	-178.24045	28.37702
8 .....	-178.24137	28.37512
9 .....	-178.24579	28.36635
10 .....	-178.24743	28.36318
11 .....	-178.24774	28.36273
12 .....	-178.24815	28.36228
13 .....	-178.24805	28.36164
14 .....	-178.24702	28.36038
15 .....	-178.24097	28.35222
16 .....	-178.24035	28.35167
17 .....	-178.23841	28.34996
18 .....	-178.23185	28.34488
19 .....	-178.23060	28.34403
20 .....	-178.22978	28.34357
21 .....	-178.22753	28.34312
22 .....	-178.22690	28.34302
23 .....	-178.21697	28.34140
24 .....	-178.21615	28.34122
25 .....	-178.21584	28.34095
26 .....	-178.21338	28.33004
27 .....	-178.21297	28.32826
28 .....	-178.21779	28.32083
29 .....	-178.21879	28.32061
30 .....	-178.22845	28.31847
31 .....	-178.23319	28.32410
32 .....	-178.23501	28.32627
33 .....	-178.23552	28.32681
34 .....	-178.25079	28.32971
35 .....	-178.26350	28.33225
36 .....	-178.26422	28.34231
37 .....	-178.26818	28.34555
38 .....	-178.26842	28.34575
39 .....	-178.26909	28.34532
40 .....	-178.27099	28.34412
41 .....	-178.27658	28.34131
42 .....	-178.28211	28.33895
43 .....	-178.28642	28.33768
44 .....	-178.29103	28.33696
45 .....	-178.29540	28.33661
46 .....	-178.29554	28.33660
47 .....	-178.30384	28.33578
48 .....	-178.30907	28.33569
49 .....	-178.31266	28.33578
50 .....	-178.31573	28.33605
51 .....	-178.31768	28.33605
52 .....	-178.35403	28.33853
53 .....	-178.38276	28.34385
54 .....	-178.39558	28.33339
55 .....	-178.40626	28.32467
56 .....	-178.40687	28.32413
57 .....	-178.40784	28.32370
58 .....	-178.41318	28.32313
59 .....	-178.43005	28.32132
60 .....	-178.43175	28.34030
61 .....	-178.43425	28.36460
62 .....	-178.43437	28.36643
63 .....	-178.43437	28.36848
64 .....	-178.43413	28.37064
65 .....	-178.43315	28.37926
66 .....	-178.43156	28.39259
67 .....	-178.43742	28.39905
68 .....	-178.44199	28.40585
69 .....	-178.44313	28.40899

**Appendix D to Subpart W of Part 922—  
Coordinates for the Special  
Preservation Areas (SPAs)**

[Coordinates listed in this appendix are unprojected (Geographic) and based on the North American Datum of 1983]

The boundaries for the areas listed in this appendix, unless otherwise described in this rule, begin at Point 1 as indicated in the

Point No.	Longitude	Latitude
70	-178.44498	28.41716
71	-178.44597	28.43612
72	-178.44569	28.44605
73	-178.44512	28.44843
74	-178.44057	28.46036
75	-178.43246	28.47827
76	-178.41611	28.49509
77	-178.41398	28.49698
78	-178.40985	28.49986
79	-178.40098	28.50595
80	-178.40072	28.50608
81	-178.39600	28.50846
82	-178.38392	28.51398
83	-178.38193	28.51473
84	-178.37937	28.51548
85	-178.37098	28.51712
86	-178.35889	28.51963
87	-178.35661	28.52000
88	-178.35164	28.52050
89	-178.34909	28.52081
90	-178.33751	28.52180
91	-178.33658	28.52189
92	-178.33228	28.52587
93	-178.33115	28.52660
94	-178.32931	28.52759
95	-178.32480	28.52913
96	-178.31988	28.53437
97	-178.30929	28.54572
98	-178.29832	28.54382
99	-178.29186	28.53171
100	-178.28776	28.52320
101	-178.28725	28.52212
102	-178.28653	28.51823
103	-178.28426	28.50560
104	-178.28365	28.50270
105	-178.28252	28.50180
106	-178.27832	28.49935
107	-178.27504	28.49682
108	-178.26581	28.48958
109	-178.26013	28.48471
110	-178.24899	28.47256
111	-178.24752	28.47095
112	-178.24660	28.46951
113	-178.24578	28.46733
114	-178.24281	28.45684
115	-178.24106	28.45195
116	-178.24024	28.44950
117	-178.23953	28.44616
118	-178.23758	28.43731
119	-178.23337	28.41884
120	-178.23317	28.41739
121	-178.23327	28.41441
122	-178.23368	28.40709

TABLE 2—COORDINATES FOR MANAWAI (PEARL AND HERMES ATOLL) SPA—Continued

Point ID	Longitude	Latitude
14	-175.67571	27.95877
15	-175.67371	27.95477
16	-175.67020	27.94735
17	-175.66886	27.94409
18	-175.66752	27.94038
19	-175.66602	27.93549
20	-175.66489	27.92948
21	-175.66468	27.92837
22	-175.66384	27.92295
23	-175.66334	27.91686
24	-175.66328	27.91526
25	-175.66326	27.91489
26	-175.66317	27.91271
27	-175.66317	27.90692
28	-175.66368	27.89921
29	-175.66418	27.89461
30	-175.66602	27.88304
31	-175.67187	27.86600
32	-175.67421	27.85962
33	-175.67471	27.85725
34	-175.67655	27.85012
35	-175.67885	27.84184
36	-175.67973	27.83869
37	-175.68140	27.83409
38	-175.68441	27.82770
39	-175.68727	27.82333
40	-175.68742	27.82310
41	-175.68976	27.81946
42	-175.69041	27.81831
43	-175.69080	27.81751
44	-175.69131	27.81589
45	-175.69352	27.80876
46	-175.69355	27.80857
47	-175.69378	27.80738
48	-175.69416	27.80646
49	-175.69494	27.80542
50	-175.69533	27.80462
51	-175.69585	27.80335
52	-175.69870	27.79552
53	-175.69909	27.79437
54	-175.70077	27.79196
55	-175.70453	27.78562
56	-175.71062	27.77711
57	-175.71528	27.77077
58	-175.71295	27.76548
59	-175.71268	27.76488
60	-175.71218	27.76378
61	-175.71231	27.76297
62	-175.71322	27.76193
63	-175.71931	27.75756
64	-175.72151	27.75572
65	-175.72228	27.75560
66	-175.72578	27.75526
67	-175.72695	27.75491
68	-175.72747	27.75445
69	-175.72980	27.75100
70	-175.73135	27.74881
71	-175.73355	27.74708
72	-175.73796	27.74386
73	-175.74327	27.74109
74	-175.75091	27.73741
75	-175.75698	27.73511
76	-175.75791	27.73476
77	-175.76283	27.73372
78	-175.76796	27.73254
79	-175.77107	27.73231
80	-175.78169	27.73128
81	-175.79452	27.73035
82	-175.79996	27.73035
83	-175.81744	27.73105

TABLE 2—COORDINATES FOR MANAWAI (PEARL AND HERMES ATOLL) SPA—Continued

Point ID	Longitude	Latitude
84	-175.82120	27.73139
85	-175.84245	27.73496
86	-175.84329	27.73496
87	-175.84394	27.73484
88	-175.84510	27.73392
89	-175.85378	27.72793
90	-175.85598	27.72667
91	-175.86168	27.72379
92	-175.86855	27.72068
93	-175.87632	27.71722
94	-175.88163	27.71515
95	-175.88928	27.71215
96	-175.89627	27.70962
97	-175.89926	27.70853
98	-175.90612	27.70605
99	-175.91616	27.70257
100	-175.91914	27.70177
101	-175.92277	27.70108
102	-175.93248	27.69923
103	-175.93689	27.69877
104	-175.94039	27.69831
105	-175.94660	27.69762
106	-175.95023	27.69762
107	-175.95632	27.69773
108	-175.95943	27.69796
109	-175.96267	27.69843
110	-175.96837	27.69935
111	-175.96966	27.69992
112	-175.97834	27.70338
113	-175.98826	27.70847
114	-175.99473	27.71262
115	-176.00250	27.71872
116	-176.00833	27.72299
117	-176.01585	27.72967
118	-176.02401	27.73784
119	-176.02918	27.74373
120	-176.03139	27.74625
121	-176.03359	27.74913
122	-176.03489	27.75120
123	-176.03880	27.75840
124	-176.04036	27.76151
125	-176.04360	27.76819
126	-176.04424	27.76877
127	-176.04619	27.76911
128	-176.04968	27.76992
129	-176.05098	27.77049
130	-176.05733	27.77521
131	-176.05831	27.77593
132	-176.06717	27.78235
133	-176.06225	27.79271
134	-176.05820	27.80097
135	-176.04866	27.82041
136	-176.04154	27.83526
137	-176.03920	27.84003
138	-176.03868	27.84107
139	-176.03830	27.84256
140	-176.03622	27.85464
141	-176.03609	27.85660
142	-176.03661	27.87231
143	-176.03635	27.87484
144	-176.03467	27.87886
145	-176.02936	27.89151
146	-176.02871	27.89232
147	-176.02637	27.89422
148	-176.01452	27.89948
149	-176.00953	27.90169
150	-175.98505	27.91078
151	-175.97974	27.91767
152	-175.97806	27.91986
153	-175.97559	27.92227

TABLE 2—COORDINATES FOR MANAWAI (PEARL AND HERMES ATOLL) SPA

Point ID	Longitude	Latitude
1	-175.73629	28.02156
2	-175.71790	28.00837
3	-175.71623	28.00719
4	-175.71293	27.99705
5	-175.71278	27.99658
6	-175.71189	27.99385
7	-175.71115	27.99258
8	-175.70898	27.99050
9	-175.69243	27.97745
10	-175.69085	27.97602
11	-175.69057	27.97577
12	-175.68524	27.97093
13	-175.67939	27.96411

TABLE 2—COORDINATES FOR MANAWAI (PEARL AND HERMES ATOLL) SPA—Continued

Point ID	Longitude	Latitude
154	-175.96800	27.92876
155	-175.96515	27.93071
156	-175.96243	27.93244
157	-175.95893	27.93474
158	-175.95751	27.93554
159	-175.95531	27.93634
160	-175.94676	27.93979
161	-175.93976	27.94313
162	-175.93730	27.94462
163	-175.93019	27.94940
164	-175.91849	27.95667
165	-175.89960	27.96883
166	-175.88990	27.97506
167	-175.88673	27.97684
168	-175.87603	27.98202
169	-175.86868	27.98514
170	-175.84284	27.99650
171	-175.81723	28.00661
172	-175.81543	28.00732
173	-175.80908	28.00970
174	-175.80440	28.01088
175	-175.79989	28.01133
176	-175.79170	28.01118
177	-175.78250	28.01088
178	-175.78033	28.01074
179	-175.78013	28.01073
180	-175.77097	28.01014
181	-175.76796	28.00984
182	-175.73629	28.02156

TABLE 3—COORDINATES FOR KAPOU (LISIANSKI ISLAND) SPA—Continued

Point No.	Longitude	Latitude
34	-173.89805	25.87971
35	-173.90349	25.87978
36	-173.90608	25.87981
37	-173.91654	25.87993
38	-173.91667	25.87993
39	-173.91893	25.87996
40	-173.91989	25.87997
41	-173.93702	25.88023
42	-173.94445	25.88023
43	-173.94602	25.88062
44	-173.95530	25.88526
45	-173.99537	25.90548
46	-174.00031	25.90797
47	-174.00548	25.91058
48	-174.02703	25.92167
49	-174.09677	25.95696
50	-174.11041	25.96396
51	-174.11155	25.96538
52	-174.11498	25.97067
53	-174.12111	25.97892
54	-174.12311	25.98124
55	-174.12483	25.98279
56	-174.14281	25.99916
57	-174.14396	26.00019
58	-174.14453	26.00083
59	-174.14595	26.00560
60	-174.15196	26.02194
61	-174.15682	26.03560
62	-174.15782	26.03831
63	-174.15839	26.04089
64	-174.15867	26.04295
65	-174.15839	26.05197
66	-174.15740	26.08891
67	-174.15668	26.10643
68	-174.15669	26.11617
69	-174.15600	26.12038
70	-174.13944	26.16391
71	-174.13478	26.17505
72	-174.12292	26.18449
73	-174.09565	26.20576
74	-174.08837	26.21129
75	-174.08723	26.21206
76	-174.08651	26.21232
77	-174.08452	26.21258
78	-174.07352	26.21412
79	-174.05468	26.21682
80	-174.05239	26.21721
81	-174.05082	26.21721
82	-174.01328	26.21451
83	-173.98436	26.21258
84	-173.95210	26.19379
85	-173.93939	26.18620
86	-173.93511	26.18350
87	-173.93411	26.18260
88	-173.93140	26.17951
89	-173.91733	26.16389
90	-173.90177	26.14625
91	-173.89892	26.14329
92	-173.89749	26.14200
93	-173.89663	26.14123
94	-173.88792	26.13569
95	-173.88360	26.13292
96	-173.87247	26.12532
97	-173.86333	26.11940
98	-173.86176	26.11798
99	-173.85890	26.11566
100	-173.84391	26.10291
101	-173.83458	26.09485
102	-173.82473	26.08661
103	-173.82373	26.08545
104	-173.82216	26.08261

TABLE 4—COORDINATES FOR KAMOLE (LAYSAN ISLAND) SPA

Point No.	Longitude	Latitude
1	-171.79754	25.90062
2	-171.77776	25.90028
3	-171.76856	25.90040
4	-171.76743	25.90017
5	-171.76440	25.89960
6	-171.72850	25.89300
7	-171.68258	25.88476
8	-171.67766	25.88385
9	-171.67552	25.88328
10	-171.67325	25.88260
11	-171.65713	25.87714
12	-171.63979	25.87153
13	-171.63303	25.86920
14	-171.62757	25.86732
15	-171.62656	25.86686
16	-171.62568	25.86595
17	-171.62502	25.86507
18	-171.61749	25.85490
19	-171.60335	25.83593
20	-171.60146	25.83319
21	-171.60007	25.82681
22	-171.59667	25.80984
23	-171.59327	25.79245
24	-171.59327	25.79165
25	-171.60171	25.76624
26	-171.60528	25.76115
27	-171.61460	25.74736
28	-171.61775	25.74280
29	-171.61863	25.74166
30	-171.62266	25.73779
31	-171.63183	25.72850
32	-171.63489	25.72540
33	-171.63640	25.72415
34	-171.65101	25.71708
35	-171.65341	25.71571
36	-171.65643	25.71354
37	-171.66122	25.70739
38	-171.66827	25.70032
39	-171.66915	25.70009
40	-171.70065	25.69222
41	-171.70153	25.69210
42	-171.70216	25.69245
43	-171.70695	25.69735
44	-171.70879	25.69916
45	-171.70980	25.69985
46	-171.71156	25.70019
47	-171.72781	25.70027
48	-171.73461	25.70030
49	-171.73537	25.70007
50	-171.75112	25.69221
51	-171.75162	25.69198
52	-171.75351	25.69186
53	-171.77795	25.69209
54	-171.78475	25.69198
55	-171.79678	25.69800
56	-171.80964	25.70443
57	-171.81782	25.70853
58	-171.81846	25.70946
59	-171.83395	25.73225
60	-171.83916	25.74030
61	-171.84621	25.75067
62	-171.85049	25.75694
63	-171.85175	25.75900
64	-171.85377	25.76298
65	-171.86802	25.79154
66	-171.86827	25.79234
67	-171.86991	25.80031
68	-171.87319	25.81695
69	-171.87634	25.83252
70	-171.87634	25.83343
71	-171.87596	25.83457

TABLE 3—COORDINATES FOR KAPOU (LISIANSKI ISLAND) SPA

Point No.	Longitude	Latitude
1	-173.82216	26.08261
2	-173.81417	26.06651
3	-173.81089	26.06033
4	-173.80358	26.04582
5	-173.80187	26.04312
6	-173.79902	26.03951
7	-173.79216	26.03255
8	-173.78288	26.02340
9	-173.76999	26.01042
10	-173.76842	26.00888
11	-173.76714	26.00720
12	-173.75672	25.99276
13	-173.75329	25.98625
14	-173.75257	25.98316
15	-173.75272	25.98019
16	-173.75357	25.97607
17	-173.75414	25.97272
18	-173.75429	25.97130
19	-173.75457	25.97065
20	-173.75629	25.96949
21	-173.77427	25.95518
22	-173.79226	25.94087
23	-173.79613	25.91463
24	-173.79656	25.91231
25	-173.79685	25.91089
26	-173.79770	25.91025
27	-173.84842	25.87454
28	-173.85185	25.87235
29	-173.85299	25.87209
30	-173.86184	25.87364
31	-173.88326	25.87777
32	-173.89205	25.87946
33	-173.89348	25.87959



TABLE 4—COORDINATES FOR KAMOLE (LAYSAN ISLAND) SPA—Continued

Point No.	Longitude	Latitude
72	-171.86853	25.84402
73	-171.83837	25.88003
74	-171.83602	25.88246
75	-171.83519	25.88335
76	-171.83459	25.88376
77	-171.83330	25.88437
78	-171.82477	25.88874
79	-171.82223	25.89004
80	-171.80446	25.89880
81	-171.80283	25.89960
82	-171.80106	25.90017
83	-171.79754	25.90062

TABLE 5—COORDINATES FOR KAMOKUOKAMOHOALI'Ī (MARO REEF) SPA

Point No.	Longitude	Latitude
1	-170.51849	25.56689
2	-170.42884	25.48429
3	-170.40989	25.46684
4	-170.36498	25.39615
5	-170.35211	25.37520
6	-170.38052	25.31861
7	-170.41008	25.25900
8	-170.42639	25.25050
9	-170.49312	25.25500
10	-170.54275	25.25849
11	-170.59335	25.28380
12	-170.65120	25.29999
13	-170.71939	25.30982
14	-170.76864	25.31704
15	-170.80164	25.33336
16	-170.81026	25.35866
17	-170.86881	25.39206
18	-170.89413	25.45071
19	-170.90203	25.52562
20	-170.90204	25.55000
21	-170.87689	25.58379
22	-170.80870	25.62631
23	-170.77706	25.63386
24	-170.71015	25.63370
25	-170.68577	25.61709
26	-170.57600	25.59194
27	-170.52174	25.56835
28	-170.51849	25.56689

TABLE 6—COORDINATES FOR 'ŌNŪNUI AND 'ŌNUIKI (GARDNER PINNACLES) SPA

Point ID	Longitude	Latitude
1	-167.90376	24.42883
2	-167.95520	24.41130
3	-167.99102	24.42020
4	-168.00495	24.43820
5	-168.00858	24.45765
6	-168.01169	24.47484
7	-168.01779	24.50855
8	-168.05095	24.57549
9	-168.08488	24.59196
10	-168.10261	24.63819
11	-168.12654	24.70001
12	-168.12689	24.70299
13	-168.13443	24.77502
14	-168.15180	24.81718

TABLE 6—COORDINATES FOR 'ŌNŪNUI AND 'ŌNUIKI (GARDNER PINNACLES) SPA—Continued

Point ID	Longitude	Latitude
15	-168.15133	24.82629
16	-168.15166	24.88353
17	-168.16317	24.89394
18	-168.22632	24.95007
19	-168.26782	25.00868
20	-168.27946	25.06562
21	-168.26946	25.09337
22	-168.25241	25.10411
23	-168.24399	25.12438
24	-168.22776	25.16582
25	-168.19810	25.18222
26	-168.14391	25.19196
27	-168.08884	25.19330
28	-168.04250	25.17414
29	-167.98399	25.12434
30	-167.93393	25.07053
31	-167.92639	25.04237
32	-167.94327	25.01312
33	-167.94328	24.94223
34	-167.92440	24.90657
35	-167.90375	24.88387
36	-167.89337	24.85096
37	-167.89917	24.74685
38	-167.87394	24.63042
39	-167.87471	24.59063
40	-167.86815	24.56390
41	-167.87627	24.49318
42	-167.88943	24.45607
43	-167.89140	24.45052
44	-167.90376	24.42883

TABLE 7—COORDINATES FOR LALO (FRENCH FRIGATE SHOALS) SPA

Point No.	Longitude	Latitude
1	-165.88287	24.04302
2	-165.81715	24.03363
3	-165.81598	24.03346
4	-165.68957	24.01561
5	-165.61030	24.00420
6	-165.58476	24.00053
7	-165.58475	23.99013
8	-165.58469	23.89901
9	-165.58473	23.88171
10	-165.58487	23.82706
11	-165.58493	23.80510
12	-165.58474	23.74606
13	-165.58467	23.72209
14	-165.58477	23.69139
15	-165.58493	23.64173
16	-165.58492	23.64015
17	-165.58472	23.55814
18	-165.58465	23.53104
19	-165.58492	23.50047
20	-165.68850	23.51533
21	-165.82902	23.53508
22	-165.88403	23.54307
23	-165.90329	23.54586
24	-165.90597	23.54625
25	-165.99383	23.55900
26	-166.03245	23.56447
27	-166.08499	23.57190
28	-166.10117	23.57420
29	-166.13444	23.57892
30	-166.16019	23.58257
31	-166.19002	23.58681
32	-166.22864	23.59229

TABLE 7—COORDINATES FOR LALO (FRENCH FRIGATE SHOALS) SPA—Continued

Point No.	Longitude	Latitude
33	-166.23919	23.59378
34	-166.26236	23.59707
35	-166.28601	23.60043
36	-166.33447	23.60733
37	-166.35885	23.61080
38	-166.37208	23.61269
39	-166.39868	23.61648
40	-166.40303	23.61710
41	-166.40724	23.61770
42	-166.50660	23.63186
43	-166.60789	23.64643
44	-166.72350	23.66307
45	-166.92987	23.68841
46	-166.92855	23.74505
47	-166.92820	23.78485
48	-166.92779	23.83124
49	-166.92817	23.83749
50	-166.92683	23.92953
51	-166.92567	24.00460
52	-166.92523	24.03315
53	-166.92517	24.03699
54	-166.90344	24.03664
55	-166.75320	24.03423
56	-166.75144	24.16680
57	-166.69607	24.15879
58	-166.66261	24.15394
59	-166.60150	24.14542
60	-166.50010	24.13128
61	-166.49143	24.13008
62	-166.46034	24.12556
63	-166.43233	24.12150
64	-166.32588	24.10620
65	-166.31489	24.10462
66	-166.10509	24.07477
67	-166.02473	24.06329
68	-165.88287	24.04302

TABLE 8—COORDINATES FOR MOKUMANAMANA (NECKER) SPA

Point ID	Longitude	Latitude
1	-164.54332	23.62574
2	-164.53774	23.61546
3	-164.53568	23.61072
4	-164.53436	23.60261
5	-164.53111	23.58291
6	-164.52906	23.55327
7	-164.52347	23.54272
8	-164.51842	23.53517
9	-164.51078	23.52258
10	-164.50137	23.51811
11	-164.48756	23.51042
12	-164.47390	23.50281
13	-164.45451	23.49239
14	-164.45025	23.48860
15	-164.44290	23.48074
16	-164.42150	23.47295
17	-164.40063	23.46523
18	-164.39476	23.46347
19	-164.38256	23.46334
20	-164.37022	23.46374
21	-164.36817	23.46306
22	-164.35392	23.45819
23	-164.34628	23.45541
24	-164.32877	23.44951
25	-164.31431	23.43772
26	-164.30609	23.43154

TABLE 8—COORDINATES FOR MOKUMANAMANA (NECKER) SPA—Continued

Point ID	Longitude	Latitude
27	-164.29543	23.41512
28	-164.28443	23.39873
29	-164.28154	23.38946
30	-164.27484	23.36629
31	-164.26980	23.35201
32	-164.25929	23.32687
33	-164.25290	23.31240
34	-164.25199	23.30818
35	-164.25305	23.30467
36	-164.25391	23.30232
37	-164.25937	23.28868
38	-164.26848	23.27932
39	-164.27039	23.27580
40	-164.27641	23.25830
41	-164.28332	23.25152
42	-164.29933	23.23578
43	-164.31485	23.23457
44	-164.32999	23.23375
45	-164.33983	23.23321
46	-164.37024	23.23810
47	-164.38214	23.24651
48	-164.39668	23.25641
49	-164.40006	23.25695
50	-164.41146	23.25833
51	-164.45730	23.26308
52	-164.46347	23.26620
53	-164.47251	23.27100
54	-164.48529	23.29229
55	-164.51115	23.30260
56	-164.52540	23.30843
57	-164.56870	23.30925
58	-164.59206	23.30912
59	-164.60425	23.30763
60	-164.63246	23.29963
61	-164.64245	23.30098
62	-164.64083	23.31400
63	-164.63466	23.32091
64	-164.62891	23.32479
65	-164.62024	23.32764
66	-164.62303	23.34282
67	-164.61612	23.34892
68	-164.61039	23.35488
69	-164.60465	23.36962
70	-164.60009	23.38141
71	-164.59358	23.39656
72	-164.59304	23.39780
73	-164.58670	23.42106
74	-164.58127	23.44558
75	-164.59302	23.45045
76	-164.60713	23.45628
77	-164.61021	23.46671
78	-164.61221	23.46868
79	-164.62367	23.48006
80	-164.62734	23.48141
81	-164.64776	23.48913
82	-164.65452	23.49062
83	-164.66774	23.49265
84	-164.69032	23.49644
85	-164.70192	23.49738
86	-164.71470	23.49725
87	-164.71956	23.49693
88	-164.73882	23.49564
89	-164.73909	23.49562
90	-164.76295	23.48763
91	-164.77141	23.48479
92	-164.77495	23.49017
93	-164.78145	23.50004
94	-164.78336	23.50315
95	-164.78689	23.50423
96	-164.80114	23.51019

TABLE 8—COORDINATES FOR MOKUMANAMANA (NECKER) SPA—Continued

Point ID	Longitude	Latitude
97	-164.81245	23.52400
98	-164.83023	23.53537
99	-164.83393	23.53828
100	-164.84010	23.54992
101	-164.84847	23.56805
102	-164.84022	23.59032
103	-164.83507	23.60223
104	-164.82699	23.61034
105	-164.82082	23.61684
106	-164.80231	23.62265
107	-164.79438	23.62265
108	-164.76970	23.62170
109	-164.76123	23.62470
110	-164.74668	23.62929
111	-164.72141	23.63890
112	-164.69989	23.64668
113	-164.69637	23.64884
114	-164.68168	23.65276
115	-164.62967	23.66304
116	-164.62570	23.66372
117	-164.60491	23.66058
118	-164.58332	23.65788
119	-164.57670	23.65626
120	-164.56260	23.64801
121	-164.55305	23.64260
122	-164.55023	23.63696
123	-164.54332	23.62574

TABLE 9—COORDINATES FOR NIHOA ISLAND SPA

Point No.	Longitude	Latitude
1	-161.85602	23.06825
2	-161.85586	23.06145
3	-161.85681	23.05444
4	-161.85854	23.04933
5	-161.86360	23.03839
6	-161.86786	23.03182
7	-161.87322	23.02583
8	-161.88254	23.01897
9	-161.89754	23.01138
10	-161.91456	23.00813
11	-161.91743	23.00758
12	-161.93400	23.00846
13	-161.94876	23.01210
14	-161.95413	23.01502
15	-161.95873	23.01760
16	-161.96534	23.02130
17	-161.97875	23.03532
18	-161.98075	23.03875
19	-161.98502	23.04586
20	-161.98748	23.05667
21	-161.98809	23.06216
22	-161.98748	23.07391
23	-161.98297	23.08604
24	-161.97743	23.09476
25	-161.97071	23.10243
26	-161.96076	23.11031
27	-161.94498	23.11717
28	-161.92966	23.12052
29	-161.91767	23.12081
30	-161.90064	23.11819
31	-161.90062	23.11819
32	-161.88846	23.11323
33	-161.87906	23.10751
34	-161.86691	23.09642
35	-161.86217	23.08883

TABLE 9—COORDINATES FOR NIHOA ISLAND SPA—Continued

Point No.	Longitude	Latitude
36	-161.85933	23.08270
37	-161.85665	23.07424
38	-161.85602	23.06825

Appendix E to Subpart W of Part 922—Coordinates for the Ship Reporting Area

[Coordinates listed in this appendix are unprojected (Geographic) and based on the North American Datum of 1983]

The boundaries for the areas listed in this appendix, unless otherwise described in this rule, begin at Point 1 as indicated in the particular area's coordinate table and continue to each successive point in numerical order until ending at the last point in the table.

TABLE 1—COORDINATES FOR THE REPORTING AREA OUTER BOUNDARY

Point No.	Longitude	Latitude
1	-178.28283	29.42450
2	-175.23067	28.72883
3	-173.42967	27.01283
4	-171.46783	26.74850
5	-170.34317	26.40383
6	-167.53500	25.94050
7	-165.97817	24.83667
8	-161.94767	24.09200
9	-161.94367	24.08817
10	-161.85883	24.07283
11	-161.77417	24.05733
12	-161.68983	24.04017
13	-161.60583	24.02183
14	-161.52583	23.99467
15	-161.44750	23.96417
16	-161.37183	23.92567
17	-161.29867	23.88267
18	-161.22867	23.83533
19	-161.16800	23.78233
20	-161.10783	23.72483
21	-161.05150	23.66183
22	-161.00233	23.59533
23	-160.95767	23.52650
24	-160.92050	23.45533
25	-160.89517	23.37900
26	-160.86950	23.30483
27	-160.85067	23.22617
28	-160.84100	23.14467
29	-160.83617	23.06167
30	-160.83917	22.97783
31	-160.85067	22.89733
32	-160.87000	22.81850
33	-160.89267	22.74100
34	-160.92533	22.66717
35	-160.96133	22.59550
36	-161.00417	22.52567
37	-161.05383	22.45950
38	-161.11067	22.39600
39	-161.17050	22.33733
40	-161.23550	22.28367
41	-161.30567	22.23400
42	-161.38000	22.18917
43	-161.45750	22.15317
44	-161.53517	22.12150
45	-161.61567	22.09783
46	-161.69817	22.07700

TABLE 1—COORDINATES FOR THE REPORTING AREA OUTER BOUNDARY—Continued

Point No.	Longitude	Latitude
47	-161.78483	22.06567
48	-161.87267	22.05683
49	-161.95850	22.05683
50	-162.04717	22.06367
51	-162.13400	22.07483
52	-162.21867	22.09050
53	-162.27350	22.09950
54	-162.28083	22.10483
55	-164.78783	22.57617
56	-166.63717	22.79333
57	-168.46517	24.06367
58	-170.75650	24.42933
59	-171.88383	24.77567
60	-174.47850	25.12667
61	-176.59183	27.09700
62	-178.64433	27.45533
63	-178.72600	27.48217
64	-178.80667	27.51067
65	-178.88267	27.54567
66	-178.95500	27.58433
67	-179.02483	27.63150
68	-179.09333	27.68167
69	-179.15683	27.73617
70	-179.21417	27.79567
71	-179.26667	27.85750
72	-179.31367	27.92200
73	-179.35217	27.98883
74	-179.38583	28.05817
75	-179.41267	28.13033
76	-179.43633	28.20517
77	-179.45083	28.28250
78	-179.46050	28.36017
79	-179.46283	28.43633
80	-179.45800	28.51450
81	-179.44917	28.59350
82	-179.42917	28.66817
83	-179.40517	28.74100
84	-179.37500	28.81167
85	-179.34050	28.88017
86	-179.29617	28.94517
87	-179.24867	29.00967
88	-179.19483	29.06967
89	-179.13667	29.12700
90	-179.07283	29.18100
91	-179.00350	29.22933
92	-178.92967	29.27067
93	-178.85433	29.30850
94	-178.77500	29.34083
95	-178.69450	29.37100
96	-178.61067	29.39200
97	-178.52567	29.40883
98	-178.43850	29.41933
99	-178.34867	29.42367
100	-178.27833	29.42150
101	-178.28283	29.42450

TABLE 2—COORDINATES OF THE INNER REPORTING AREA BOUNDARY AROUND HŌLANIKŪ (KURE ATOLL), KUAHELANI (MIDWAY ATOLL), MANAWAI (PEARL AND HERMES ATOLL) AREA TO BE AVOIDED (ATBA)

Point No.	Longitude	Latitude
1	-175.78700	27.01217

TABLE 2—COORDINATES OF THE INNER REPORTING AREA BOUNDARY AROUND HŌLANIKŪ (KURE ATOLL), KUAHELANI (MIDWAY ATOLL), MANAWAI (PEARL AND HERMES ATOLL) AREA TO BE AVOIDED (ATBA)—Continued

Point No.	Longitude	Latitude
2	-175.87900	27.01133
3	-175.96933	27.01817
4	-176.05883	27.03317
5	-176.14683	27.05567
6	-176.23183	27.08533
7	-176.31317	27.12283
8	-176.39000	27.16633
9	-176.46233	27.21700
10	-176.47833	27.22950
11	-176.49783	27.24600
12	-177.55517	27.41583
13	-178.49833	27.59783
14	-178.56550	27.61067
15	-178.62200	27.62550
16	-178.67750	27.64333
17	-178.73167	27.66417
18	-178.78417	27.68800
19	-178.83500	27.71483
20	-178.88383	27.74433
21	-178.93050	27.77650
22	-178.97483	27.81117
23	-179.01667	27.84817
24	-179.05650	27.88700
25	-179.09350	27.92817
26	-179.12683	27.97150
27	-179.15783	28.01683
28	-179.18500	28.06350
29	-179.20883	28.11183
30	-179.22917	28.16117
31	-179.24583	28.21167
32	-179.25900	28.26300
33	-179.26850	28.31517
34	-179.27417	28.36733
35	-179.27600	28.41200
36	-179.27617	28.42000
37	-179.27600	28.43017
38	-179.27400	28.47250
39	-179.26833	28.52483
40	-179.25900	28.57683
41	-179.24583	28.62817
42	-179.22900	28.67850
43	-179.20900	28.72800
44	-179.18550	28.77633
45	-179.15867	28.82317
46	-179.12833	28.86850
47	-179.09500	28.91200
48	-179.05850	28.95350
49	-179.01917	28.99300
50	-178.97700	29.03017
51	-178.93217	29.06500
52	-178.88500	29.09717
53	-178.83550	29.12667
54	-178.78400	29.15350
55	-178.73067	29.17733
56	-178.67567	29.19817
57	-178.61933	29.21583
58	-178.56183	29.23033
59	-178.50350	29.24167
60	-178.44433	29.24983
61	-178.38467	29.25467
62	-178.32483	29.25600
63	-178.26500	29.25417
64	-178.20533	29.24900
65	-178.14633	29.24050
66	-177.20117	29.05783

TABLE 2—COORDINATES OF THE INNER REPORTING AREA BOUNDARY AROUND HŌLANIKŪ (KURE ATOLL), KUAHELANI (MIDWAY ATOLL), MANAWAI (PEARL AND HERMES ATOLL) AREA TO BE AVOIDED (ATBA)—Continued

Point No.	Longitude	Latitude
67	-177.12150	29.04250
68	-175.59117	28.64933
69	-175.57250	28.64450
70	-175.32900	28.58183
71	-175.17750	28.43733
72	-175.14917	28.41017
73	-175.15067	28.40883
74	-175.08183	28.33483
75	-175.03200	28.26750
76	-174.98883	28.19633
77	-174.95383	28.12150
78	-174.92800	28.04383
79	-174.91033	27.96400
80	-174.90083	27.88350
81	-174.90083	27.80200
82	-174.91033	27.72133
83	-174.92850	27.64133
84	-174.95533	27.56350
85	-174.99050	27.48833
86	-175.03383	27.41667
87	-175.08450	27.34883
88	-175.14317	27.28633
89	-175.20783	27.22883
90	-175.27783	27.17650
91	-175.35417	27.13133
92	-175.43483	27.09283
93	-175.51917	27.06100
94	-175.60667	27.03700
95	-175.69633	27.02150
96	-175.78700	27.01217

TABLE 3—COORDINATES FOR THE INNER REPORTING AREA BOUNDARY AROUND 'ŌNŪI AND 'ŌNUIKI (GARDNER PINNACLES), LALO (FRENCH FRIGATE SHOALS), MOKUMANAMANA (NECKER) ATBA

Point No.	Longitude	Latitude
1	-168.00150	25.83633
2	-167.87767	25.82733
3	-167.87750	25.82833
4	-167.80583	25.81650
5	-167.61200	25.78483
6	-167.44133	25.66400
7	-167.32983	25.58500
8	-166.75000	25.17383
9	-166.05600	24.68183
10	-165.58317	24.59400
11	-164.51867	24.39633
12	-164.51900	24.39317
13	-164.49567	24.38850
14	-164.40867	24.36417
15	-164.32317	24.33500
16	-164.24267	24.29583
17	-164.16617	24.24983
18	-164.09483	24.19767
19	-164.03000	24.13833
20	-163.97050	24.07467
21	-163.92033	24.00450
22	-163.87650	23.93083
23	-163.84267	23.85283

TABLE 3—COORDINATES FOR THE INNER REPORTING AREA BOUNDARY AROUND 'ŌNŪI AND 'ŌNUIKI (GARDNER PINNACLES), LALO (FRENCH FRIGATE SHOALS), MOKUMANAMANA (NECKER) ATBA—Continued

Point No.	Longitude	Latitude
24	-163.81633	23.77217
25	-163.79983	23.68950
26	-163.79267	23.60567
27	-163.79333	23.52117
28	-163.80467	23.43783
29	-163.82500	23.35567
30	-163.85233	23.27550
31	-163.89117	23.19933
32	-163.93583	23.12567
33	-163.98967	23.05767
34	-164.05017	22.99417
35	-164.11833	22.93783
36	-164.19150	22.88700
37	-164.26967	22.84333
38	-164.35267	22.80800
39	-164.43800	22.77883
40	-164.52667	22.75817
41	-164.61717	22.74717
42	-164.70850	22.74417
43	-164.79983	22.74867
44	-164.82533	22.75183
45	-164.85800	22.75650
46	-164.85883	22.75283
47	-165.58317	22.83767
48	-166.32717	22.92500
49	-166.38867	22.93217
50	-166.60000	22.95683
51	-166.75000	23.06250
52	-166.79083	23.09133
53	-168.38100	24.21167
54	-168.37967	24.21467
55	-168.45467	24.26750
56	-168.52767	24.31917
57	-168.59917	24.37117
58	-168.66567	24.42850
59	-168.72583	24.49183
60	-168.77717	24.56117
61	-168.82150	24.63433
62	-168.85767	24.71133
63	-168.88533	24.79083
64	-168.90467	24.87233
65	-168.91367	24.95533
66	-168.91583	25.03867
67	-168.90717	25.12167
68	-168.88867	25.20317
69	-168.86267	25.28317
70	-168.82667	25.35950
71	-168.78217	25.43233
72	-168.73100	25.50150
73	-168.67367	25.56483
74	-168.60867	25.62283
75	-168.53733	25.67483
76	-168.46133	25.72067
77	-168.38033	25.75950
78	-168.29600	25.79050
79	-168.20783	25.81317
80	-168.11817	25.82867
81	-168.02700	25.83517
82	-168.00150	25.83633

TABLE 4—COORDINATES FOR INNER REPORTING AREA BOUNDARY AROUND THE KAPOU (LISIANSKI ISLAND), KAMOLE (LAYSAN ISLAND), KAMOKUOKAMOHOALI'Ī (MARO REEF), RAITA BANK ATBA

Point No.	Longitude	Latitude
1	-173.56150	26.85217
2	-173.51450	26.84583
3	-173.51317	26.84817
4	-171.62833	26.60000
5	-171.56400	26.59150
6	-171.51400	26.58500
7	-171.45833	26.56783
8	-171.41933	26.55583
9	-170.38400	26.23767
10	-169.81600	26.14483
11	-169.81717	26.13933
12	-169.76383	26.12700
13	-169.67617	26.10050
14	-169.59400	26.06617
15	-169.51517	26.02517
16	-169.44083	25.97750
17	-169.37233	25.92200
18	-169.31000	25.86117
19	-169.25317	25.79633
20	-169.20567	25.72567
21	-169.16550	25.65083
22	-169.13467	25.57283
23	-169.11267	25.49233
24	-169.09883	25.41017
25	-169.09400	25.32717
26	-169.09883	25.24417
27	-169.11100	25.16150
28	-169.13367	25.08083
29	-169.16600	25.00283
30	-169.20583	24.92767
31	-169.25233	24.85583
32	-169.30800	24.78950
33	-169.37033	24.72817
34	-169.43850	24.67233
35	-169.51300	24.62367
36	-169.59400	24.58333
37	-169.67767	24.55033
38	-169.76467	24.52233
39	-169.85133	24.50517
40	-169.94217	24.49467
41	-170.03017	24.49267
42	-170.07617	24.49350
43	-170.73983	24.59617
44	-170.79300	24.60483
45	-170.83950	24.61967
46	-170.86950	24.62933
47	-171.83650	24.93717
48	-174.41400	25.27683
49	-174.64083	25.49267
50	-174.70050	25.55467
51	-174.75333	25.62217
52	-174.79733	25.69467
53	-174.83417	25.77050
54	-174.86283	25.84883
55	-174.88183	25.93000
56	-174.89117	26.01183
57	-174.89350	26.09450
58	-174.88450	26.17650
59	-174.86800	26.25767
60	-174.84283	26.33667
61	-174.80733	26.41250
62	-174.76567	26.48583
63	-174.71600	26.55433
64	-174.65817	26.61850
65	-174.59383	26.67667
66	-174.52383	26.72917

TABLE 4—COORDINATES FOR INNER REPORTING AREA BOUNDARY AROUND THE KAPOU (LISIANSKI ISLAND), KAMOLE (LAYSAN ISLAND), KAMOKUOKAMOHOALI'Ī (MARO REEF), RAITA BANK ATBA—Continued

Point No.	Longitude	Latitude
67	-174.44783	26.77483
68	-174.36817	26.81500
69	-174.28383	26.84650
70	-174.19650	26.87000
71	-174.10717	26.88683
72	-174.01633	26.89567
73	-173.92467	26.89567
74	-173.83367	26.88817
75	-173.74300	26.87600
76	-173.65233	26.86417
77	-173.56150	26.85217

TABLE 5—COORDINATES FOR THE INNER REPORTING AREA BOUNDARY AROUND NIHOA ATBA

Point No.	Longitude	Latitude
1	-161.78483	23.88033
2	-161.74450	23.87317
3	-161.74233	23.88033
4	-161.68667	23.86833
5	-161.63200	23.85300
6	-161.57850	23.83467
7	-161.52633	23.81317
8	-161.47583	23.78883
9	-161.42700	23.76150
10	-161.38017	23.73133
11	-161.33550	23.69867
12	-161.29333	23.66333
13	-161.25350	23.62567
14	-161.21650	23.58567
15	-161.18217	23.54367
16	-161.15083	23.49983
17	-161.12250	23.45417
18	-161.09750	23.40700
19	-161.07567	23.35850
20	-161.05717	23.30867
21	-161.04217	23.25800
22	-161.03067	23.20650
23	-161.02250	23.15450
24	-161.01817	23.10217
25	-161.01717	23.04950
26	-161.01983	22.99700
27	-161.02617	22.94483
28	-161.03583	22.89300
29	-161.04917	22.84183
30	-161.06583	22.79167
31	-161.08583	22.74250
32	-161.10900	22.69450
33	-161.13550	22.64800
34	-161.16500	22.60317
35	-161.19750	22.56017
36	-161.23283	22.51900
37	-161.27083	22.48017
38	-161.31150	22.44350
39	-161.35433	22.40933
40	-161.39950	22.37767
41	-161.44667	22.34867
42	-161.49567	22.32250
43	-161.54633	22.29917
44	-161.59833	22.27883
45	-161.65167	22.26167

TABLE 5—COORDINATES FOR THE INNER REPORTING AREA BOUNDARY AROUND NIHOA ATBA—Continued

Point No.	Longitude	Latitude
46	-161.70617	22.24750
47	-161.76133	22.23667
48	-161.81717	22.22883
49	-161.87350	22.22450
50	-161.93000	22.22333
51	-161.98633	22.22550
52	-162.04250	22.23083
53	-162.09083	22.23850
54	-162.09817	22.23950
55	-162.11467	22.24317
56	-162.20300	22.26450
57	-162.28850	22.29500
58	-162.37000	22.33283
59	-162.44733	22.37883
60	-162.51917	22.43133

TABLE 5—COORDINATES FOR THE INNER REPORTING AREA BOUNDARY AROUND NIHOA ATBA—Continued

Point No.	Longitude	Latitude
61	-162.58483	22.49017
62	-162.64350	22.55467
63	-162.69533	22.62450
64	-162.73900	22.69883
65	-162.77450	22.77717
66	-162.80083	22.85800
67	-162.81817	22.94100
68	-162.82633	23.02500
69	-162.82483	23.10967
70	-162.81483	23.19350
71	-162.79500	23.27617
72	-162.76633	23.35600
73	-162.72917	23.43367
74	-162.68350	23.50667
75	-162.63050	23.57517

TABLE 5—COORDINATES FOR THE INNER REPORTING AREA BOUNDARY AROUND NIHOA ATBA—Continued

Point No.	Longitude	Latitude
76	-162.56967	23.63767
77	-162.50300	23.69483
78	-162.42983	23.74533
79	-162.35183	23.78933
80	-162.26933	23.82583
81	-162.18317	23.85400
82	-162.09383	23.87400
83	-162.00417	23.88567
84	-161.91250	23.88933
85	-161.82133	23.88483
86	-161.78483	23.88033

**Appendix F to Subpart W of Part 922—IMO Standard Reporting Format and Data Syntax for Ship Reporting System**

Telegraphy	Function	Information required	Example field text
	System identifier	CORAL SHIPREP //	CORAL SHIPREP //
A	Ship	Vessel name/call sign/flag/IMO number/Federal documentation or State registration number if applicable //	A/OCEAN VOYAGER/C5FU8/BAHAMAS/IMO 9359165/
B	Date, time (UTC), and month of entry.	A 6-digit group giving day of month (first two digits), hours and minutes (last four digits) in coordinated universal time, suffixed by the letter Z (indicating time in UTC), and three letters indicating month //	B/271107Z DEC//
C	Position	A 4-digit group giving latitude in degrees and minutes, suffixed with the letter N (indicating north), followed by a single /, and a five-digit group giving longitude in degrees and minutes, suffixed with the letter W (indicating west) // [Report in the World Geodetic System 1984 Datum (WGS-84)].	C/2728N/17356W//
E	True course	3 digit number indicating true course	E/180//
F	Speed in knots and tenths.	3-digit group indicating knots decimal tenths //	F/20.5//
I	Destination and estimated time of arrival.	Name of port city/country/estimated arrival date and time group expressed as in (B) //	I/SEATTLE/USA/311230Z DEC//
L	Intended route through the reporting area.	Route information should be reported as a direct rhumbline (RL) course through the reporting area and intended speed (expressed as in E and F) or a series of waypoints (WP). Each waypoint entry should be reported as latitude and longitude, expressed as in (C), and intended speed between waypoints (as in F) // (Note: As many "L" lines as needed may be used to describe the vessel's intended route.).	L/RL/215/20.5// -OR- L/WP/2734N/17352W/20.5// L/WP/2641N/17413W/20.5// L/WP/2605N/17530W/20.5//
O	Vessel draft in meters.	Maximum present static draft reported in meters decimal centimeters //	O/11.50//
P	Categories of Hazardous Cargoes*	Classification Code (e.g., IMDG, IBC, IGC, INF) / and all corresponding Categories of Hazardous Cargoes (delimited by commas) // Note: If necessary, use a separate "P" line for each type of Classification Code.	P/IMDG/1.4G,2.1,2.2,2.3,3,4.1,6.1,8,9//
Q	Defects or deficiencies**.	Brief details of defects, damage, deficiencies or limitations that restrict maneuverability or impair normal navigation // (If none, enter the number zero.).	Q/Include details as required//
R	Pollution incident or goods lost overboard**.	Description of pollution incident or goods lost overboard within the Monument, the Reporting Area, or the U.S. Exclusive Economic Zone// (If none, enter the number zero.).	R/0//
T	Contact information of ship's agent or owner.	Name/address/and phone number of ship's agent or owner //	T/JOHN DOE/GENERIC SHIPPING COMPANY INC, 6101 ACME ROAD, ROOM 123, CITY, STATE, COUNTRY 12345/123-123-1234//
U	Ship size (length overall and gross tonnage) and type.	Length overall reported in meters decimal centimeters/ number of gross tons/type of ship (e.g. bulk carrier, chemical tanker, oil tanker, gas tanker, container, general cargo, fishing vessel, research, passenger, OBO, RORO) //	U/294.14/54592/CONTAINER SHIP//
W	Persons	Total number of persons on board //	W/15//

**TABLE NOTES**

\* Categories of hazardous cargoes means goods classified in the International Maritime Dangerous Goods (IMDG) Code; substances classified in chapter 17 of the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code) and chapter 19 of the International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk (IGC Code); oils as defined in MARPOL Annex I; noxious liquid substances as defined in MARPOL Annex II; harmful substances as defined in MARPOL Annex III; and radioactive materials specified in the Code for the Safe Carriage of the Irradiated Nuclear Fuel, Plutonium and High-Level Radioactive Wastes in Flasks on Board Ships (INF Code).

\*\* In accordance with the provisions of the MARPOL Convention, ships must report information relating to defects, damage, deficiencies or other limitations as well as, if necessary, information relating to pollution incidents or loss of cargo. Safety related reports must be provided to CORAL SHIPREP without delay should a ship suffer damage, failure or breakdown affecting the safety of the ship (Item Q), or if a ship makes a marked deviation from a route, course or speed previously advised (Item L). Pollution or cargo lost overboard must be reported without delay (Item R).

[FR Doc. 2024-03820 Filed 2-29-24; 8:45 am]

**BILLING CODE 3510-NK-P**