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Part V

The President

Proclamation 8031—Establishment of the Northwestern Hawaiian Islands Marine National Monument

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Presidential Documents

Title 3—

The President

Proclamation 8031 of June 15, 2006

Establishment of the Northwestern Hawaiian Islands Marine National Monument

By the President of the United States of America

A Proclamation

In the Pacific Ocean northwest of the principal islands of Hawaii lies an approximately 1,200 nautical mile stretch of coral islands, seamounts, banks, and shoals. The area, including the Northwestern Hawaiian Islands Coral Reef Ecosystem Reserve, the Midway National Wildlife Refuge, the Hawaiian Islands National Wildlife Refuge, and the Battle of Midway National Memorial, supports a dynamic reef ecosystem with more than 7,000 marine species, of which approximately half are unique to the Hawaiian Island chain. This diverse ecosystem is home to many species of coral, fish, birds, marine mammals, and other flora and fauna including the endangered Hawaiian monk seal, the threatened green sea turtle, and the endangered leatherback and hawksbill sea turtles. In addition, this area has great cultural significance to Native Hawaiians and a connection to early Polynesian culture worthy of protection and understanding.

WHEREAS Executive Order 13089 of June 11, 1998, Executive Order 13178 of December 4, 2000, and Executive Order 13196 of January 18, 2001, as well as the process for designation of a National Marine Sanctuary undertaken by the Secretary of Commerce, have identified objects of historic or scientific interest that are situated upon the lands owned or controlled by the Government of the United States in the area of the Northwestern Hawaiian Islands;

WHEREAS section 2 of the Act of June 8, 1906 (34 Stat. 225, 16 U.S.C. 431) (the ''Antiquities Act'') authorizes the President, in his discretion, to declare by public proclamation historic landmarks, historic and prehistoric structures, and other objects of historic or scientific interest that are situated upon lands owned or controlled by the Government of the United States to be national monuments, and to reserve as a part thereof parcels of land, the limits of which in all cases shall be confined to the smallest area compatible with the proper care and management of the objects to be protected;

WHEREAS it would be in the public interest to 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,

NOW, THEREFORE, I, GEORGE W. BUSH, President of the United States of America, by the authority vested in me by section 2 of the Act of June 8, 1906 (34 Stat. 225, 16 U.S.C. 431), do proclaim that there are hereby set apart and reserved as the Northwestern Hawaiian Islands Marine National Monument (the ''monument'' or ''national monument'') for the purpose of protecting the objects described above, all lands and interests in lands owned or controlled by the Government of the United States within the boundaries described on the accompanying map entitled ''Northwestern Hawaiian Islands Marine National Monument'' attached to and forming a part of this proclamation. The Federal land and interests in land reserved includes approximately 139,793 square miles of emergent and submerged lands and waters of the Northwestern Hawaiian Islands, which is the smallest

area compatible with the proper care and management of the objects to be protected.

All Federal lands and interests in lands within the boundaries of this monument are hereby appropriated and withdrawn from all forms of entry, location, selection, sale, or leasing or other disposition under the public land laws, including, but not limited to, withdrawal from location, entry, and patent under mining laws, and from disposition under all laws relating to mineral and geothermal leasing.

The Secretary of Commerce, through the National Oceanic and Atmospheric Administration (NOAA), will have primary responsibility regarding management of the marine areas, in consultation with the Secretary of the Interior. The Secretary of the Interior, through the Fish and Wildlife Service (FWS), will have sole responsibility for management of the areas of the monument that overlay the Midway Atoll National Wildlife Refuge, the Battle of Midway National Memorial, and the Hawaiian Islands National Wildlife Refuge, in consultation with the Secretary of Commerce.

The Secretary of Commerce and the Secretary of the Interior (collectively, the ''Secretaries'') shall review and, as appropriate, modify the interagency agreement developed for coordinated management of the Northwestern Hawaiian Islands Coral Reef Ecosystem Reserve, signed on May 19, 2006. To manage the monument, the Secretary of Commerce, in consultation with the Secretary of the Interior and the State of Hawaii, shall modify, as appropriate, the plan developed by NOAA's National Marine Sanctuary Program through the public sanctuary designation process, and will provide for public review of that plan. To the extent authorized by law, the Secretaries, acting through the FWS and NOAA, shall promulgate any additional regulations needed for the proper care and management of the objects identified above.

The Secretary of State, in consultation with the Secretaries, shall take appropriate action to enter into negotiations with other governments to make necessary arrangements for the protection of the monument and to promote the purposes for which the monument is established. The Secretary of State, in consultation with the Secretaries, shall seek the cooperation of other governments and international organizations in furtherance of the purposes of this proclamation and consistent with applicable regional and multilateral arrangements for the protection and management of special marine areas. Furthermore, this proclamation shall be applied in accordance with international law. No restrictions shall apply to or be enforced against a person who is not a citizen, national, or resident alien of the United States (including foreign flag vessels) unless in accordance with international law.

Nothing in this proclamation shall be deemed to diminish or enlarge the jurisdiction of the State of Hawaii.

The establishment of this monument is subject to valid existing rights and use of the monument shall be administered as follows:

Access to the Monument

The Secretaries shall prohibit entering the monument except pursuant to permission granted by the Secretaries or their designees. Any person passing through the monument without interruption must notify an official designated by the Secretaries at least 72 hours, but no longer than 1 month, prior to the entry date. Notification of departure from the monument must be provided within 12 hours of leaving. A person providing notice must provide the following information, as applicable: (i) position when making report; (ii) vessel name and International Maritime Organization identification number; (iii) name, address, and telephone number of owner and operator; (iv) United States Coast Guard (USCG) documentation, State license, or registration number; (v) home port; (vi) intended and actual route through the monument; (vii) general categories of any hazardous cargo on board; and (viii) length of vessel and propulsion type (e.g., motor or sail).

Vessel Monitoring Systems

1. As soon as possible but not later than 30 days following the issuance of this proclamation, NOAA shall publish in the **Federal Register** a list of approved transmitting units and associated communications service providers for purposes of this proclamation. An owner or operator of a vessel that has been issued a permit for accessing the monument must ensure that such a vessel has an operating vessel monitoring system (VMS) on board, approved by the Office of Legal Enforcement in the National Oceanic and Atmospheric Administration in the Department of Commerce (OLE) when voyaging within the monument. An operating VMS includes an operating mobile transmitting unit on the vessel and a functioning communication link between the unit and OLE as provided by an OLE-approved communication service provider.

2. Only a VMS that has been approved by OLE may be used. When installing and activating the OLE-approved VMS, or when reinstalling and reactivating such VMS, the vessel owner or operator must:

a. Follow procedures indicated on an installation and activation checklist, which is available from OLE; and

b. Submit to OLE a statement certifying compliance with the checklist, as prescribed on the checklist.

3. No person may interfere with, tamper with, alter, damage, disable, or impede the operation of the VMS, or attempt any of the same.

4. When a vessel's VMS is not operating properly, 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, manually communicating to a location designated by OLE the vessel's positions or returning to port until the VMS is operable.

5. As a condition of authorized access to the monument, a vessel owner or operator subject to the requirements for a VMS in this section must allow OLE, the USCG, and their authorized officers and designees access to the vessels position data obtained from the VMS. Consistent with applicable law, including the limitations on access to, and use, of VMS data collected under the Magnuson-Stevens Fishery Conservation and Management Act (16 U.S.C. 1801 *et seq.*), the Secretaries may have access to, and use of, collected data for scientific, statistical, and management purposes.

6. OLE has authority over 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.

7. The Secretaries shall prohibit any person from conducting or causing to be conducted:

a. Operating any vessel without an approved transmitting device within the monument area 45 days after the publication of the list of approved transmitting devices described in paragraph (1) above;

b. Failing to install, activate, repair, or replace a mobile transceiver unit prior to leaving port;

c. Failing to operate and maintain a mobile transceiver unit on board the vessel at all times;

d. Tampering with, damaging, destroying, altering, or in any way distorting, rendering useless, inoperative, ineffective, or inaccurate the VMS, mobile transceiver unit, or VMS signal required to be installed on or transmitted by a vessel;

e. Failing to contact OLE or follow OLE instructions when automatic position reporting has been interrupted;

f. Registering a VMS or mobile transceiver unit registered to more than one vessel at the same time;

g. Connecting or leaving connected additional equipment to a VMS unit or mobile transceiver unit without the prior approval of OLE;

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

Restrictions

Prohibited Activities

The Secretaries shall prohibit persons from conducting or causing to be conducted the following activities:

1. Exploring for, developing, or producing oil, gas, or minerals within the monument;

2. Using or attempting to use poisons, electrical charges, or explosives in the collection or harvest of a monument resource;

3. Introducing or otherwise releasing an introduced species from within or into the monument; and

4. Anchoring on or having a vessel anchored on any living or dead coral with an anchor, anchor chain, or anchor rope.

Regulated Activities

Except as otherwise provided in this proclamation, the Secretaries shall prohibit any person from conducting or causing to be conducted within the monument the following activities:

1. 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 monument resource;

2. Drilling into, dredging, or otherwise altering the submerged lands other than by anchoring a vessel; or constructing, placing, or abandoning any structure, material, or other matter on the submerged lands;

3. Anchoring a vessel;

4. Deserting a vessel aground, at anchor, or adrift;

5. Discharging or depositing any material or other matter into Special Preservation Areas or the Midway Atoll Special Management Area except vessel engine cooling water, weather deck runoff, and vessel engine exhaust;

6. Discharging or depositing any material or other matter into the monument, or discharging or depositing any material or other matter outside of the monument that subsequently enters the monument and injures any resources of the monument, except fish parts (i.e., chumming material or bait) used in and during authorized fishing operations, or discharges incidental to vessel use such as deck wash, approved marine sanitation device effluent, cooling water, and engine exhaust;

7. Touching coral, living or dead;

8. Possessing fishing gear except when stowed and not available for immediate use during passage without interruption through the monument;

9. Swimming, snorkeling, or closed or open circuit SCUBA diving within any Special Preservation Area or the Midway Atoll Special Management Area; and

10. Attracting any living monument resources.

Emergencies and Law Enforcement Activities

The prohibitions required by this proclamation shall not apply to activities necessary to respond to emergencies threatening life, property, or the environment, or to activities necessary for law enforcement purposes.

Armed Forces Actions

1. The prohibitions required by this proclamation shall not apply to activities and exercises of the Armed Forces (including those carried out by the United States Coast Guard) that are consistent with applicable laws.

2. Nothing in this proclamation shall limit agency actions to respond to emergencies posing an unacceptable threat to human health or safety or to the marine environment and admitting of no other feasible solution.

3. 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 monument resources and qualities.

4. In the event of threatened or actual destruction of, loss of, or injury to a monument resource or quality resulting from an incident, including but not limited to spills and groundings, caused by a component of the Department of Defense or the USCG, the cognizant component shall promptly coordinate with the Secretaries for the purpose of taking appropriate actions to respond to and mitigate the harm and, if possible, restore or replace the monument resource or quality.

Commercial Fishing

1. The Secretaries shall ensure that any commercial lobster fishing permit shall be subject to a zero annual harvest limit.

2. Fishing for bottomfish and pelagic species. The Secretaries shall ensure that:

a. Commercial fishing for bottomfish and associated pelagic species may continue within the monument for not longer than 5 years from the date of this proclamation provided that:

(i) The fishing is conducted in accordance with a valid commercial bottomfish permit issued by NOAA; and

(ii) Such permit is in effect on the date of this proclamation and is subsequently renewed pursuant to NOAA regulations at 50 CFR part 660 subpart E as necessary.

b. Total landings for each fishing year may not exceed the following amounts:

(i) 350,000 pounds for bottomfish species; and

(ii) 180,000 pounds for pelagic species.

c. Commercial fishing for bottomfish and associated pelagic species is prohibited in the monument after 5 years from the date of this proclamation.

General Requirements

The Secretaries shall ensure that any commercial fishing within the monument is conducted in accordance with the following restrictions and conditions:

1. A valid permit or facsimile of a valid permit is on board the fishing vessel and is available for inspection by an authorized officer;

2. No attempt is made to falsify or fail to make, keep, maintain, or submit any logbook or logbook form or other required record or report;

3. Only gear specifically authorized by the relevant permit issued under the Magnuson-Stevens Fishery Conservation and Management Act is allowed to be in the possession of a person conducting commercial fishing under this section;

4. Any person conducting commercial fishing notifies the Secretaries by telephone, facsimile, or electronic mail at least 72 hours before entering the monument and within 12 hours after leaving the monument;

5. All fishing vessels must carry an activated and functioning VMS unit on board at all times whenever the vessel is in the monument;

6. All fishing vessels must carry an observer when requested to do so by the Secretaries; and

7. The activity does not take place within any Ecological Reserve, any Special Preservation Area, or the Midway Atoll Special Management Area.

Permitting Procedures and Criteria

Subject to such terms and conditions as the Secretaries deem appropriate, a person may conduct an activity regulated by this proclamation if such activity is specifically authorized by a permit. The Secretaries, in their discretion, may issue a permit under this proclamation if the Secretaries find that the activity: (i) is research designed to further understanding of monument resources and qualities; (ii) will further the educational value of the monument; (iii) will assist in the conservation and management of the monument; (iv) will allow Native Hawaiian practices; (v) will allow a special ocean use; or (vi) will allow recreational activities.

Findings

1. The Secretaries may not issue any permit unless the Secretaries find:

a. The activity can be conducted with adequate safeguards for the resources and ecological integrity of the monument;

b. The activity will be conducted in a manner compatible with the management direction of this proclamation, considering the extent to which the conduct of the activity may diminish or enhance monument resources, qualities, and ecological integrity, any indirect, secondary, or cumulative effects of the activity, and the duration of such effects;

c. There is no practicable alternative to conducting the activity within the monument;

d. The end value of the activity outweighs its adverse impacts on monument resources, qualities, and ecological integrity;

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

f. The applicant is qualified to conduct and complete the activity and mitigate any potential impacts resulting from its conduct;

g. The applicant has adequate financial resources available to conduct and complete the activity and mitigate any potential impacts resulting from its conduct;

h. The methods and procedures proposed by the applicant are appropriate to achieve the proposed activity's goals in relation to their impacts to monument resources, qualities, and ecological integrity;

i. The applicant's vessel has been outfitted with a mobile transceiver unit approved by OLE and complies with the requirements of this proclamation; and

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

2. *Additional Findings for Native Hawaiian Practice Permits.* In addition to the findings listed above, the Secretaries shall not issue a permit to allow Native Hawaiian practices unless the Secretaries find:

a. The activity is non-commercial and will not involve the sale of any organism or material collected;

b. The purpose and intent of the activity are appropriate and deemed necessary by traditional standards in the Native Hawaiian culture (pono), and demonstrate an understanding of, and background in, the traditional practice, and its associated values and protocols;

c. The activity benefits the resources of the Northwestern Hawaiian Islands and the Native Hawaiian community;

d. The activity supports or advances the perpetuation of traditional knowledge and ancestral connections of Native Hawaiians to the Northwestern Hawaiian Islands; and

e. Any monument resource harvested from the monument will be consumed in the monument.

3. *Additional Findings, Criteria, and Requirements for Special Ocean Use Permits*

a. In addition to the findings listed above, the following requirements apply to the issuance of a permit for a special ocean use:

(i) Any permit for a special ocean use issued under this section:

(A) Shall authorize the conduct of an activity only if that activity is compatible with the purposes for which the monument is designated and with protection of monument resources;

(B) Shall not authorize the conduct of any activity for a period of more than 5 years unless renewed by the Secretaries;

(C) Shall require that activities carried out under the permit be conducted in a manner that does not destroy, cause the loss of, or injure monument resources; and

(D) Shall require the permittee to purchase and maintain comprehensive general liability insurance, or post an equivalent bond, against claims arising out of activities conducted under the permit and to agree to hold the United States harmless against such claims; and

(ii) Each person issued a permit for a special ocean use under this section shall submit an annual report to the Secretaries not later than December 31 of each year that describes activities conducted under that permit and revenues derived from such activities during the year.

b. The Secretaries may not issue a permit for a special ocean use unless they determine that the proposed activity will be consistent with the findings listed above for the issuance of any permit.

c. Categories of special ocean use being permitted for the first time under this section will be restricted in duration and permitted as a special ocean use pilot project. Subsequent permits for any category of special ocean use may be issued only if a special ocean use pilot project for that category has been determined by the Secretaries to meet the criteria in this proclamation and any terms and conditions placed on the permit for the pilot project.

d. The Secretaries shall provide public notice prior to requiring a special ocean use permit for any category of activity not previously identified as a special ocean use.

e. The following requirements apply to permits for a special ocean use for an activity within the Midway Atoll Special Management Area.

(i) The Secretaries may issue a permit for a special ocean use for activities within the Midway Atoll Special Management Area provided:

(A) The Secretaries find the activity furthers the conservation and management of the monument; and

(B) The Director of the United States Fish and Wildlife Service or his or her designee has determined that the activity is compatible with the purposes for which the Midway Atoll National Wildlife Refuge was designated.

(ii) As part of a permit, the Secretaries may allow vessels to transit the monument as necessary to enter the Midway Atoll Special Management Area.

f. The Secretaries may issue a permit for a special ocean use for activities outside the Midway Atoll Special Management Area provided:

(i) The Secretaries find the activity will directly benefit the conservation and management of the monument;

(ii) The Secretaries determine the purpose of the activity is for research or education related to the resources or qualities of the monument;

(iii) The Secretaries provide public notice of the application and an opportunity to provide comments at least 30 days prior to issuing the permit; and

(iv) The activity does not involve the use of a commercial passenger vessel.

4. *Additional Findings for Recreation Permits*. The Secretaries may issue a permit only for recreational activities to be conducted within the Midway Atoll Special Management Area. In addition to the general findings listed above for any permit, the Secretaries may not issue such permit unless the Secretaries find:

a. The activity is for the purpose of recreation as defined in regulation;

b. The activity is not associated with any for-hire operation; and

c. The activity does not involve any extractive use.

Sustenance Fishing

Sustenance fishing means fishing for bottomfish or pelagic species that are consumed within the monument, and is incidental to an activity permitted under this proclamation. The Secretaries may permit sustenance fishing outside of any Special Preservation Area as a term or condition of any permit issued under this proclamation. The Secretaries may not permit sustenance fishing in the Midway Atoll Special Management Area unless the activity has been determined by the Director of the United States Fish and Wildlife Service or his or her 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 proclamation, including considering the extent to which the conduct of the activity may diminish monument resources, qualities, and ecological integrity, as well as any indirect, secondary, or cumulative effects of the activity and the duration of such effects. The Secretaries will develop procedures for systematic reporting of sustenance fishing.

Definitions For purposes of this proclamation:

Attract or Attracting means luring or attempting to lure a living resource by any means, except the mere presence of human beings (e.g., swimmers, divers, boaters).

Bottomfish Species means bottomfish management unit species as defined at 50 CFR 660.12.

Commercial Bottomfishing means commercial fishing for bottomfish species.

Commercial Passenger Vessel means a vessel that carries individuals who have paid for such carriage.

Commercial Pelagic Trolling means commercial fishing for pelagic species.

Deserting a vessel means:

1. Leaving a vessel aground or adrift:

(i) Without notifying the Secretaries of the vessel going aground or adrift within 12 hours of its discovery and developing and presenting to the Secretaries a preliminary salvage plan within 24 hours of such notification;

(ii) After expressing or manifesting intention to not undertake or to cease salvage efforts; or

(iii) When the Secretaries are unable, after reasonable efforts, to reach the owner/operator within 12 hours of the vessels condition being reported to authorities.

2. Leaving a vessel at anchor when its condition creates potential for a grounding, discharge, or deposit and the owner/operator fails to secure the vessel in a timely manner.

Ecological Reserve means an area of the monument consisting of contiguous, diverse habitats that provide natural spawning, nursery, and permanent residence areas for the replenishment and genetic protection of marine life, and also to protect and preserve natural assemblages of habitats and species within areas representing a broad diversity of resources and habitats found within the monument.

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.

Fishing Year means the year beginning at 0001 local time on January 1 and ending at 2400 local time on December 31.

Introduced Species means:

1. A species (including, but not limited to, any of its biological matter capable of propagation) that is non-native to the ecosystem(s) protected by the monument; or

2. Any organism into which genetic matter from another species has been transferred in order that the host organism acquires the genetic traits of the transferred genes.

Landing means offloading fish from a fishing vessel or causing fish to be offloaded from a fishing vessel.

Midway Atoll Special Management Area means the area of the monument surrounding Midway Atoll out to a distance of 12 nautical miles, established for the enhanced management, protection, and preservation of monument wildlife and historical resources.

Mobile Transceiver Unit means a vessel monitoring system or VMS device installed on board a vessel that is used for vessel monitoring and transmitting the vessel's position as required by this proclamation.

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 monument resources for direct personal consumption while in the monument.

Ocean-Based Ecotourism means a class of fee-for-service activities that involves visiting the monument for study, enjoyment, or volunteer assistance for purposes of conservation and management.

Pelagic Species means Pacific Pelagic Management Unit Species as defined at 50 CFR 660.12.

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

Recreational Activity means an activity conducted for personal enjoyment that does not result in the extraction of monument 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.

Special Preservation Area (SPA) means discrete, biologically important areas of the monument within which uses are subject to conditions, restrictions, and prohibitions, including but not limited to access restrictions. SPAs are used to avoid concentrations of uses that could result in declines in species populations or habitat, to reduce conflicts between uses, to protect areas that are critical for sustaining important marine species or habitats, or to provide opportunities for scientific research.

Special Ocean Use means an activity or use of the monument that is engaged in to generate revenue or profits for one or more of the persons associated with the activity or use, and does not destroy, cause the loss of, or injure monument resources. This includes ocean-based ecotourism and other activities such as educational and research activities that are engaged in to generate revenue, but does not include commercial fishing for bottomfish or pelagic species conducted pursuant to a valid permit issued by NOAA.

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 (such as spear shafts being kept separate from spear guns).

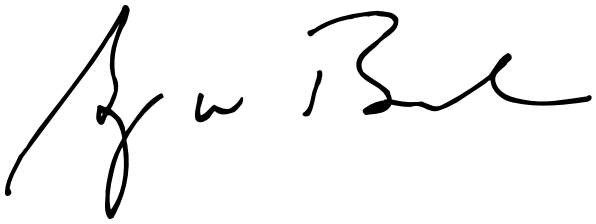
Sustenance Fishing means fishing for bottomfish or pelagic species in which all catch is consumed within the monument, and that is incidental to an activity permitted under this proclamation.

Vessel Monitoring System or VMS means a vessel monitoring system or mobile transceiver unit approved by the Office for Law Enforcement for use on vessels permitted to access the monument, as required by this subpart.

Nothing in this proclamation shall be deemed to revoke any existing withdrawal, reservation, or appropriation; however, the national monument shall be the dominant reservation.

Warning is hereby given to all unauthorized persons not to appropriate, injure, destroy, or remove any feature of this monument and not to locate or settle upon any lands thereof.

IN WITNESS WHEREOF, I have hereunto set my hand this fifteenth day of June, in the year of our Lord two thousand six, and of the Independence of the United States of America the two hundred and thirtieth.



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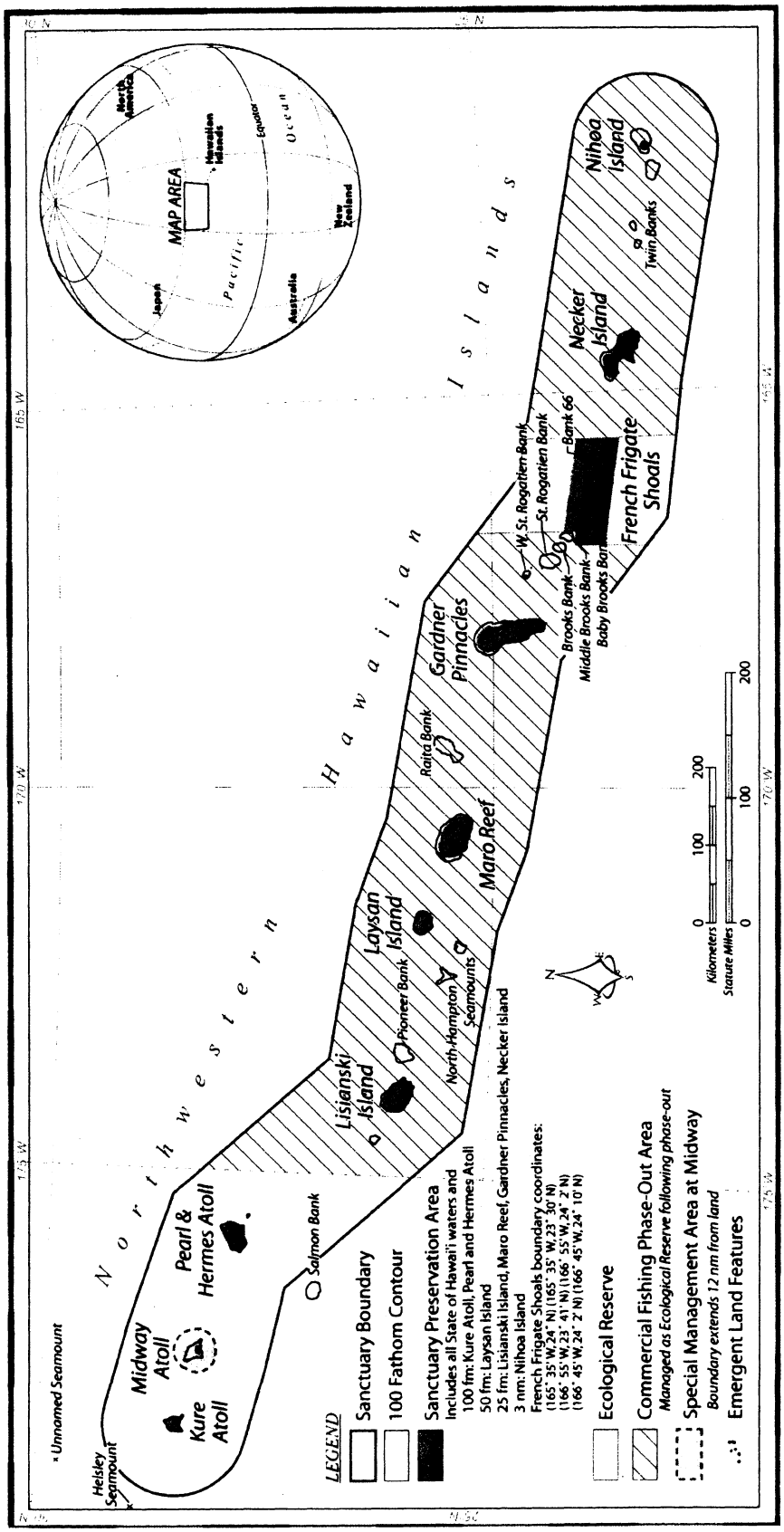
Northwestern Hawaiian Islands Marine National Monument



Northwestern Hawaiian Islands Marine National Monument Boundary Coordinates

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

Point	Latitude	Longitude
1	28.437480	-175.177660
2	28.267840	-175.000000
3	26.848220	-173.513200
4	26.600050	-171.628460
5	26.591570	-171.564050
6	26.584980	-171.514000
7	26.567910	-171.458490
8	26.555880	-171.419340
9	26.237590	-170.384040
10	25.842570	-167.964750
11	25.816640	-167.805960
12	25.784980	-167.612000
13	25.664070	-167.441430
14	25.585060	-167.329980
15	25.173930	-166.750000
16	24.681970	-166.056000
17	24.594130	-165.583330
18	24.399760	-164.537400
19	23.880420	-161.742420
20	23.868390	-161.686790
21	23.853160	-161.632100
22	23.834780	-161.578570
23	23.813320	-161.526420
24	23.788880	-161.475860
25	23.761550	-161.427080
26	23.731440	-161.380290
27	23.698680	-161.335660
28	23.663380	-161.293370
29	23.625700	-161.253600
30	23.585780	-161.216500
31	23.543790	-161.182210
32	23.499890	-161.150870
33	23.454250	-161.122600
34	23.407070	-161.097510
35	23.358510	-161.075690
36	23.308790	-161.057240
37	23.258090	-161.042210
38	23.206620	-161.030670
39	23.154580	-161.022660
40	23.102170	-161.018200
41	23.049610	-161.017300

42	22.997110	-161.019980
43	22.944850	-161.026200
44	22.893070	-161.035950
45	22.841950	-161.049190
46	22.791700	-161.065840
47	22.742520	-161.085860
48	22.694600	-161.109150
49	22.648120	-161.135620
50	22.603270	-161.165160
51	22.560230	-161.197660
52	22.519160	-161.232980
53	22.480220	-161.270990
54	22.443560	-161.311530
55	22.409340	-161.354440
56	22.377670	-161.399560
57	22.348690	-161.446710
58	22.322500	-161.495710
59	22.299220	-161.546350
60	22.278920	-161.598460
61	22.261680	-161.651810
62	22.247580	-161.706210
63	22.236670	-161.761450
64	22.228990	-161.817300
65	22.224580	-161.873560
66	22.223430	-161.930000
67	22.225570	-161.986410
68	22.230990	-162.042570
69	22.238520	-162.090980
70	22.239660	-162.098260
71	22.753090	-164.860380
72	22.837820	-165.583330
73	22.925010	-166.327230
74	22.932210	-166.388720
75	22.956970	-166.600000
76	23.062650	-166.750000
77	23.091440	-166.790850
78	24.211550	-168.380720
79	24.211630	-168.380830
80	24.211670	-168.381050
81	24.596330	-170.739990
82	24.604970	-170.793000
83	24.619830	-170.839640
84	24.629360	-170.869580
85	24.937290	-171.836510
86	25.276970	-174.414000
87	25.830690	-175.000000
88	27.246110	-176.497940
89	27.415860	-177.555230

90	27.597840	-178.498430
91	27.610780	-178.565510
92	27.625520	-178.622110
93	27.643380	-178.677580
94	27.664280	-178.731700
95	27.688140	-178.784270
96	27.714880	-178.835070
97	27.744380	-178.883910
98	27.776540	-178.930610
99	27.811230	-178.974960
100	27.848320	-179.016810
101	27.887650	-179.055990
102	27.929090	-179.092340
103	27.972460	-179.125720
104	28.017600	-179.155980
105	28.064330	-179.183020
106	28.112470	-179.206730
107	28.161840	-179.226990
108	28.212230	-179.243740
109	28.263450	-179.256890
110	28.315300	-179.266400
111	28.367580	-179.272220
112	28.412080	-179.274000
113	28.420080	-179.274320
114	28.430370	-179.274000
115	28.472580	-179.272690
116	28.524900	-179.267320
117	28.576810	-179.258240
118	28.628110	-179.245480
119	28.678610	-179.229070
120	28.728090	-179.209090
121	28.776360	-179.185600
122	28.823240	-179.158700
123	28.868520	-179.128480
124	28.912040	-179.095060
125	28.953610	-179.058580
126	28.993080	-179.019170
127	29.030280	-178.977000
128	29.065060	-178.932220
129	29.097280	-178.885010
130	29.126820	-178.835570
131	29.153560	-178.784090
132	29.177380	-178.730770
133	29.198200	-178.675830
134	29.215930	-178.619490
135	29.230490	-178.561970
136	29.241830	-178.503520
137	29.249910	-178.444360

138	29.254680	-178.384730
139	29.256140	-178.324870
140	29.254270	-178.265030
141	29.249080	-178.205450
142	29.240600	-178.146360
143	29.057970	-177.201300
144	29.042570	-177.121570
145	28.649370	-175.591270
146	28.644570	-175.572600
147	28.581980	-175.329000
148	28.437480	-175.177660

Ecological Reserves Boundary Coordinates

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

Table B-1 Ecological Reserve West of 175 degrees West Longitude

Point ID	Latitude	Longitude
1	29.042570	-177.121570
2	28.649370	-175.591270
3	28.644570	-175.572600
4	28.581980	-175.329000
5	28.437480	-175.177660
6	28.267840	-175.000000
7	25.830690	-175.000000
8	27.246110	-176.497940
9	27.415860	-177.555230
10	27.610780	-178.565510
11	27.625520	-178.622110
12	27.643380	-178.677580
13	27.664280	-178.731700
14	27.688140	-178.784270
15	27.714880	-178.835070
16	27.744380	-178.883910
17	27.776540	-178.930610
18	27.811230	-178.974960
19	27.848320	-179.016810
20	27.887650	-179.055990

21	27.929090	-179.092340
22	27.972460	-179.125720
23	28.017600	-179.155980
24	28.064330	-179.183020
25	28.112470	-179.206730
26	28.161840	-179.226990
27	28.212230	-179.243740
28	28.263450	-179.256890
29	28.315300	-179.266400
30	28.367580	-179.272220
31	28.412080	-179.274000
32	28.430370	-179.274000
33	28.472580	-179.272690
34	28.524900	-179.267320
35	28.576810	-179.258240
36	28.628110	-179.245480
37	28.678610	-179.229070
38	28.728090	-179.209090
39	28.776360	-179.185600
40	28.823240	-179.158700
41	28.868520	-179.128480
42	28.912040	-179.095060
43	28.953610	-179.058580
44	28.993080	-179.019170
45	29.030280	-178.977000
46	29.065060	-178.932220
47	29.097280	-178.885010
48	29.126820	-178.835570
49	29.153560	-178.784090
50	29.177380	-178.730770
51	29.198200	-178.675830
52	29.215930	-178.619490
53	29.230490	-178.561970
54	29.241830	-178.503520
55	29.249910	-178.444360

56	29.254680	-178.384730
57	29.256140	-178.324870
58	29.254270	-178.265030
59	29.249080	-178.205450
60	29.240600	-178.146360
61	29.057970	-177.201300
62	29.042570	-177.121570

Table B-2 French Frigate Shoals Ecological Reserve

Point ID	Latitude	Longitude
1	24.594130	-165.583330
2	23.499970	-165.583330
3	23.999970	-165.583330
4	24.166640	-166.750000
5	25.173930	-166.750000
6	24.681970	-166.056000
7	24.594130	-165.583330
8	23.740820	-166.927560
9	23.687790	-166.928170
10	23.666640	-166.750000
11	23.499970	-165.583330
12	22.837820	-165.583330
13	22.956970	-166.600000
14	23.062650	-166.750000
15	23.196210	-166.938090
16	23.740960	-166.929090
17	23.740820	-166.927560

Special Preservation Areas Boundary Coordinates

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

Table C-1 French Frigate Shoals Special Preservation Area

Point ID	Latitude	Longitude`
1	23.999970	-165.583330
2	23.499970	-165.583330
3	23.666640	-166.750000
4	23.687790	-166.928170

5	23.740820	-166.927560
6	24.036510	-166.924170
7	24.034000	-166.752270
8	24.166640	-166.750000
9	23.999970	-165.583330

Table C-2 Gardner Pinnacles Special Preservation Area

Point ID	Latitude	Longitude`
1	25.069550	-167.932070
2	25.041750	-167.925060
3	25.013260	-167.941650
4	24.941640	-167.941660
5	24.906030	-167.922730
6	24.881740	-167.901230
7	24.849970	-167.891660
8	24.747630	-167.897660
9	24.629080	-167.872660
10	24.590720	-167.873600
11	24.563150	-167.866590
12	24.491640	-167.875000
13	24.448290	-167.890630
14	24.428440	-167.901840
15	24.411150	-167.954400
16	24.419790	-167.989680
17	24.438010	-168.003690
18	24.508310	-168.016660
19	24.574980	-168.050000
20	24.591640	-168.083330
21	24.699970	-168.125000
22	24.774970	-168.133330
23	24.816640	-168.150000
24	24.883310	-168.150000
25	24.949970	-168.225000
26	25.008310	-168.266660
27	25.065400	-168.277990
28	25.093010	-168.267940
29	25.103750	-168.250890
30	25.165870	-168.225750
31	25.181750	-168.196320
32	25.191640	-168.141660
33	25.192730	-168.086360
34	25.174040	-168.041280
35	25.124980	-167.983330
36	25.069550	-167.932070

Table C-3 Kure Atoll Special Preservation Area

Point ID	Latitude	Longitude`
1	28.392840	-178.429820

2	28.399910	-178.436410
3	28.415160	-178.446280
4	28.432200	-178.448290
5	28.455370	-178.441200
6	28.478140	-178.430830
7	28.496460	-178.413240
8	28.500820	-178.406980
9	28.506480	-178.398860
10	28.514860	-178.380810
11	28.519980	-178.357030
12	28.521950	-178.334820
13	28.521950	-178.334800
14	28.525880	-178.330960
15	28.529600	-178.322670
16	28.546060	-178.307530
17	28.544020	-178.296510
18	28.522790	-178.285740
19	28.502900	-178.282050
20	28.502890	-178.282030
21	28.499380	-178.276340
22	28.487070	-178.260900
23	28.475690	-178.250260
24	28.471030	-178.245900
25	28.450220	-178.238690
26	28.416860	-178.231260
27	28.397060	-178.232420
28	28.378270	-178.238260
29	28.363050	-178.245720
30	28.362280	-178.246630
31	28.362270	-178.246650
32	28.351660	-178.238800
33	28.343860	-178.228570
34	28.341350	-178.214180
35	28.328300	-178.211250
36	28.320980	-178.215800
37	28.318750	-178.226820
38	28.326780	-178.233600
39	28.332160	-178.261690
40	28.342560	-178.262560
41	28.346030	-178.266850
42	28.343860	-178.269830
43	28.336310	-178.286080
44	28.335300	-178.315410
45	28.340220	-178.363860
46	28.344070	-178.381090
47	28.323940	-178.406220
48	28.321250	-178.428370
49	28.367630	-178.432740

50	28.392840	-178.429820

Table C-4 Pearl and Hermes Atoll Special Preservation Area

Point ID	Latitude	Longitude`
1	27.757750	-176.036520
2	27.768320	-176.040880
3	27.768320	-176.040880
4	27.770100	-176.048300
5	27.782320	-176.065490
6	27.840940	-176.037040
7	27.855580	-176.034410
8	27.874110	-176.034890
9	27.892740	-176.027240
10	27.899910	-176.012850
11	27.910770	-175.983500
12	27.910800	-175.983470
13	27.919710	-175.976620
14	27.927980	-175.967410
15	27.935100	-175.956890
16	27.939420	-175.946360
17	27.943320	-175.937810
18	27.950350	-175.926920
19	27.963550	-175.906130
20	27.974710	-175.888940
21	27.981650	-175.875480
22	27.987800	-175.860460
23	27.997110	-175.839520
24	28.004660	-175.823330
25	28.008440	-175.813830
26	28.010980	-175.803790
27	28.011520	-175.793180
28	28.011060	-175.781740
29	28.010310	-175.770160
30	28.009350	-175.764210
31	28.009350	-175.764180
32	28.011110	-175.761890
33	28.021650	-175.734510
34	28.007620	-175.715020
35	27.989730	-175.708650
36	27.989710	-175.708630
37	27.982190	-175.698330
38	27.976630	-175.691710
39	27.973990	-175.688570
40	27.967780	-175.681600
41	27.962560	-175.676580
42	27.955580	-175.672400
43	27.945870	-175.667950
44	27.935150	-175.664330

45	27.923930	-175.662390
46	27.914190	-175.661560
47	27.899720	-175.661860
48	27.883490	-175.664100
49	27.869160	-175.669150
50	27.859160	-175.672680
51	27.848250	-175.675300
52	27.836260	-175.678940
53	27.828010	-175.682580
54	27.818010	-175.688990
55	27.811250	-175.690970
56	27.805500	-175.693210
57	27.805240	-175.693310
58	27.795260	-175.697130
59	27.783750	-175.704120
60	27.776490	-175.709430
61	27.771010	-175.713510
62	27.770990	-175.713520
63	27.763470	-175.710490
64	27.755510	-175.719930
65	27.755160	-175.725020
66	27.749210	-175.729550
67	27.744440	-175.735410
68	27.739890	-175.743640
69	27.735130	-175.754680
70	27.732590	-175.766400
71	27.731290	-175.779240
72	27.730230	-175.795430
73	27.731050	-175.816390
74	27.732360	-175.825560
75	27.733580	-175.833100
76	27.734560	-175.837560
77	27.735040	-175.841750
78	27.732280	-175.845940
79	27.727480	-175.852770
80	27.722740	-175.861850
81	27.717130	-175.874800
82	27.709340	-175.894910
83	27.702570	-175.913780
84	27.699260	-175.929970
85	27.697450	-175.945320
86	27.697660	-175.956490
87	27.699370	-175.966810
88	27.703320	-175.976850
89	27.710260	-175.989680
90	27.720440	-176.003340
91	27.732370	-176.017010
92	27.741820	-176.025930

93	27.746800	-176.029970
94	27.749030	-176.031780

Table C-5 Lisianski Island Special Preservation Area

Point ID	Latitude	Longitude`
1	25.940390	-173.790690
2	25.910770	-173.795060
3	25.910770	-173.795060
4	25.871480	-173.850890
5	25.879490	-173.891610
6	25.879980	-173.943990
7	25.963710	-174.108790
8	25.979580	-174.120000
9	26.000210	-174.142570
10	26.040550	-174.157290
11	26.122730	-174.154820
12	26.174970	-174.133330
13	26.212150	-174.085540
14	26.217240	-174.050590
15	26.212430	-173.982900
16	26.183310	-173.933330
17	26.142200	-173.896560
18	26.119380	-173.861860
19	26.085600	-173.822290
20	26.041640	-173.799990
21	26.008310	-173.766660
22	25.988250	-173.752100
23	25.971020	-173.752830

Table C-6 Laysan Island Special Preservation Area

Point ID	Latitude	Longitude`
1	25.716670	-171.650000
2	25.700000	-171.666670
3	25.691670	-171.700000
4	25.700000	-171.708330
5	25.700000	-171.733330
6	25.691670	-171.750000
7	25.691670	-171.783330
8	25.708330	-171.816670
9	25.758330	-171.850000
10	25.791670	-171.866670
11	25.833330	-171.875000
12	25.866670	-171.850000
13	25.883330	-171.833330
14	25.900000	-171.800000
15	25.900000	-171.766670
16	25.883330	-171.675000
17	25.866670	-171.625000

18	25.833330	-171.600000
19	25.791670	-171.591670
20	25.766670	-171.600000
21	25.741670	-171.616670
22	25.725000	-171.633330
23	25.716670	-171.650000

Table C-7 Maro Reef Special Preservation Area

Point ID	Latitude	Longitude`
1	25.566690	-170.517140
2	25.466690	-170.408800
3	25.375020	-170.350470
4	25.258350	-170.408800
5	25.250020	-170.425470
6	25.258350	-170.542140
7	25.283350	-170.592140
8	25.300020	-170.650470
9	25.316690	-170.767140
10	25.333350	-170.800470
11	25.358350	-170.808800
12	25.391690	-170.867140
13	25.450020	-170.892140
14	25.525020	-170.900470
15	25.550020	-170.900470
16	25.583350	-170.875470
17	25.625020	-170.808810
18	25.633350	-170.775470
19	25.633350	-170.708800
20	25.616690	-170.683810
21	25.591690	-170.575470
22	25.566690	-170.517140

Table C-8 Necker Island Special Preservation Area

Point ID	Latitude	Longitude`
1	23.642160	-164.551780
2	23.613240	-164.535150
3	23.588260	-164.530180
4	23.550990	-164.527340
5	23.522830	-164.509770
6	23.490850	-164.451480
7	23.480450	-164.441650
8	23.462880	-164.393270
9	23.463220	-164.368120
10	23.449040	-164.327110
11	23.431280	-164.304620
12	23.396860	-164.282330
13	23.357080	-164.270620
14	23.308700	-164.250210

15	23.289700	-164.256760
16	23.279120	-164.267160
17	23.256820	-164.275850
18	23.235370	-164.298150
19	23.232530	-164.336710
20	23.238010	-164.369100
21	23.256190	-164.395600
22	23.263000	-164.457020
23	23.270370	-164.470630
24	23.291640	-164.483330
25	23.308310	-164.525000
26	23.308870	-164.596130
27	23.299420	-164.630360
28	23.300400	-164.641120
29	23.313770	-164.639170
30	23.323870	-164.629710
31	23.326810	-164.618950
32	23.342460	-164.621560
33	23.353870	-164.609170
34	23.406430	-164.588630
35	23.444900	-164.579500
36	23.455990	-164.605580
37	23.466750	-164.609170
38	23.479950	-164.622600
39	23.490020	-164.651170
40	23.496910	-164.695970
41	23.496540	-164.733520
42	23.484440	-164.769800
43	23.502770	-164.782090
44	23.509200	-164.799290
45	23.523370	-164.810810
46	23.537360	-164.832550
47	23.567430	-164.847030
48	23.600880	-164.834360
49	23.616190	-164.819810
50	23.622430	-164.801100
51	23.621480	-164.768400
52	23.631120	-164.738540
53	23.650580	-164.687890
54	23.663250	-164.624580
55	23.656440	-164.575820
56	23.642160	-164.551780

Table C-9 Nihoa Island Special Preservation Area

Point ID	Latitude	Longitude`
1	23.099610	-161.971310
2	23.100370	-161.970570
3	23.101120	-161.969810

4	23.101850	-161.969040
5	23.102580	-161.968250
6	23.103290	-161.967450
7	23.103990	-161.966630
8	23.104680	-161.965800
9	23.105350	-161.964950
10	23.106020	-161.964090
11	23.106670	-161.963220
12	23.107310	-161.962340
13	23.107930	-161.961440
14	23.108540	-161.960530
15	23.109140	-161.959610
16	23.109720	-161.958670
17	23.110290	-161.957730
18	23.110850	-161.956770
19	23.111390	-161.955800
20	23.111910	-161.954820
21	23.112420	-161.953830
22	23.112920	-161.952830
23	23.113400	-161.951820
24	23.113870	-161.950800
25	23.114320	-161.949770
26	23.114750	-161.948740
27	23.115170	-161.947690
28	23.115580	-161.946640
29	23.115970	-161.945570
30	23.116340	-161.944500
31	23.116700	-161.943420
32	23.117040	-161.942340
33	23.117360	-161.941250
34	23.117670	-161.940150
35	23.117960	-161.939050
36	23.118240	-161.937940
37	23.118500	-161.936820
38	23.118740	-161.935700
39	23.118970	-161.934580
40	23.119170	-161.933450
41	23.119370	-161.932320
42	23.119540	-161.931180
43	23.119700	-161.930040
44	23.119840	-161.928900
45	23.119960	-161.927750
46	23.120070	-161.926610
47	23.120160	-161.925460
48	23.120230	-161.924310
49	23.120290	-161.923150
50	23.120320	-161.922000
51	23.120350	-161.920850

52	23.120350	-161.919690
53	23.120340	-161.918540
54	23.120300	-161.917390
55	23.120260	-161.916240
56	23.120190	-161.915090
57	23.120110	-161.913940
58	23.120010	-161.912790
59	23.119890	-161.911640
60	23.119760	-161.910500
61	23.119610	-161.909360
62	23.119440	-161.908230
63	23.119250	-161.907090
64	23.119050	-161.905970
65	23.118830	-161.904840
66	23.118600	-161.903720
67	23.118350	-161.902610
68	23.118080	-161.901500
69	23.117790	-161.900400
70	23.117490	-161.899300
71	23.117170	-161.898210
72	23.116840	-161.897130
73	23.116490	-161.896050
74	23.116190	-161.895200
75	23.116120	-161.894980
76	23.115770	-161.894010
77	23.115740	-161.893920
78	23.115340	-161.892870
79	23.114930	-161.891820
80	23.114500	-161.890790
81	23.114050	-161.889760
82	23.113590	-161.888740
83	23.113110	-161.887740
84	23.112620	-161.886740
85	23.112120	-161.885750
86	23.111600	-161.884770
87	23.111070	-161.883810
88	23.110520	-161.882850
89	23.109950	-161.881910
90	23.109380	-161.880970
91	23.108780	-161.880050
92	23.108180	-161.879150
93	23.107560	-161.878250
94	23.106930	-161.877370
95	23.106280	-161.876500
96	23.105630	-161.875640
97	23.104950	-161.874800
98	23.104270	-161.873970
99	23.103580	-161.873160

100	23.102870	-161.872360
101	23.102150	-161.871570
102	23.101420	-161.870800
103	23.100670	-161.870040
104	23.099920	-161.869300
105	23.099160	-161.868580
106	23.098380	-161.867870
107	23.097960	-161.867500
108	23.097590	-161.867180
109	23.096790	-161.866500
110	23.095990	-161.865840
111	23.095170	-161.865200
112	23.094350	-161.864570
113	23.093510	-161.863960
114	23.092670	-161.863370
115	23.091810	-161.862790
116	23.090950	-161.862240
117	23.090080	-161.861700
118	23.089200	-161.861170
119	23.088320	-161.860670
120	23.087420	-161.860180
121	23.086530	-161.859720
122	23.085620	-161.859270
123	23.084700	-161.858840
124	23.083780	-161.858420
125	23.082860	-161.858030
126	23.081930	-161.857660
127	23.080990	-161.857300
128	23.080040	-161.856970
129	23.079100	-161.856650
130	23.078140	-161.856350
131	23.077190	-161.856080
132	23.076220	-161.855820
133	23.075260	-161.855580
134	23.074290	-161.855360
135	23.073320	-161.855160
136	23.072350	-161.854990
137	23.071370	-161.854830
138	23.070390	-161.854690
139	23.069410	-161.854570
140	23.068430	-161.854470
141	23.067440	-161.854390
142	23.066450	-161.854330
143	23.065470	-161.854290
144	23.064480	-161.854280
145	23.063490	-161.854280
146	23.062510	-161.854300
147	23.061520	-161.854340

148	23.060530	-161.854400
149	23.059550	-161.854490
150	23.058570	-161.854590
151	23.057580	-161.854710
152	23.056600	-161.854850
153	23.055630	-161.855020
154	23.054650	-161.855200
155	23.053670	-161.855400
156	23.052710	-161.855620
157	23.051740	-161.855860
158	23.050780	-161.856120
159	23.049820	-161.856410
160	23.048870	-161.856710
161	23.047910	-161.857030
162	23.046970	-161.857360
163	23.046030	-161.857720
164	23.045100	-161.858100
165	23.044170	-161.858500
166	23.043240	-161.858910
167	23.042330	-161.859350
168	23.041420	-161.859800
169	23.040510	-161.860270
170	23.039620	-161.860760
171	23.038730	-161.861260
172	23.037850	-161.861790
173	23.036980	-161.862330
174	23.036110	-161.862890
175	23.035250	-161.863470
176	23.034400	-161.864070
177	23.033570	-161.864680
178	23.032740	-161.865310
179	23.031910	-161.865960
180	23.031100	-161.866620
181	23.030310	-161.867300
182	23.029510	-161.868000
183	23.028730	-161.868710
184	23.027960	-161.869430
185	23.027200	-161.870180
186	23.026460	-161.870940
187	23.025720	-161.871710
188	23.025000	-161.872500
189	23.024280	-161.873300
190	23.023580	-161.874120
191	23.022900	-161.874950
192	23.022220	-161.875790
193	23.021560	-161.876650
194	23.020910	-161.877520
195	23.020270	-161.878410

196	23.019650	-161.879310
197	23.019030	-161.880220
198	23.018440	-161.881140
199	23.017860	-161.882070
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201	23.016730	-161.883980
202	23.016190	-161.884940
203	23.015670	-161.885920
204	23.015150	-161.886910
205	23.014660	-161.887910
206	23.014170	-161.888920
207	23.013710	-161.889940
208	23.013260	-161.890970
209	23.012820	-161.892010
210	23.012400	-161.893060
211	23.012000	-161.894110
212	23.011610	-161.895170
213	23.011230	-161.896240
214	23.010880	-161.897320
215	23.010540	-161.898410
216	23.010210	-161.899500
217	23.009900	-161.900590
218	23.009610	-161.901700
219	23.009340	-161.902810
220	23.009080	-161.903920
221	23.008840	-161.905040
222	23.008610	-161.906170
223	23.008400	-161.907300
224	23.008210	-161.908430
225	23.008160	-161.908750
226	23.008030	-161.909560
227	23.007880	-161.910700
228	23.007740	-161.911850
229	23.007610	-161.912990
230	23.007550	-161.913660
231	23.007510	-161.914140
232	23.007420	-161.915290
233	23.007340	-161.916440
234	23.007290	-161.917590
235	23.007250	-161.918740
236	23.007230	-161.919900
237	23.007230	-161.921050
238	23.007240	-161.922210
239	23.007270	-161.923360
240	23.007270	-161.923360
241	23.007320	-161.924510
242	23.007380	-161.925660
243	23.007470	-161.926810

244	23.007570	-161.927960
245	23.007680	-161.929100
246	23.007820	-161.930240
247	23.007970	-161.931380
248	23.008140	-161.932520
249	23.008320	-161.933650
250	23.008520	-161.934780
251	23.008740	-161.935900
252	23.008980	-161.937020
253	23.009230	-161.938140
254	23.009500	-161.939240
255	23.009780	-161.940350
256	23.010080	-161.941440
257	23.010400	-161.942530
258	23.010740	-161.943620
259	23.011090	-161.944690
260	23.011460	-161.945760
261	23.011840	-161.946820
262	23.012240	-161.947880
263	23.012650	-161.948920
264	23.013080	-161.949960
265	23.013520	-161.950980
266	23.013990	-161.952000
267	23.014460	-161.953010
268	23.014950	-161.954010
269	23.015460	-161.955000
270	23.015980	-161.955970
271	23.016510	-161.956940
272	23.017060	-161.957900
273	23.017620	-161.958840
274	23.018200	-161.959770
275	23.018790	-161.960690
276	23.019400	-161.961600
277	23.019480	-161.961720
278	23.019600	-161.961890
279	23.020010	-161.962500
280	23.020650	-161.963380
281	23.021290	-161.964250
282	23.021950	-161.965100
283	23.022620	-161.965950
284	23.023300	-161.966770
285	23.024000	-161.967590
286	23.024710	-161.968390
287	23.025430	-161.969170
288	23.026160	-161.969950
289	23.026900	-161.970700
290	23.027650	-161.971440
291	23.028420	-161.972170

292	23.029200	-161.972870
293	23.029980	-161.973570
294	23.030780	-161.974240
295	23.031590	-161.974900
296	23.032400	-161.975550
297	23.033230	-161.976170
298	23.034060	-161.976780
299	23.034910	-161.977380
300	23.035760	-161.977950
301	23.036620	-161.978510
302	23.037490	-161.979050
303	23.038370	-161.979570
304	23.039260	-161.980080
305	23.040150	-161.980560
306	23.041050	-161.981030
307	23.041960	-161.981480
308	23.042870	-161.981910
309	23.043790	-161.982320
310	23.044720	-161.982710
311	23.045650	-161.983090
312	23.046590	-161.983440
313	23.047530	-161.983780
314	23.048480	-161.984090
315	23.049430	-161.984390
316	23.050390	-161.984670
317	23.051350	-161.984930
318	23.052320	-161.985160
319	23.053290	-161.985380
320	23.054260	-161.985580
321	23.055230	-161.985760
322	23.056210	-161.985920
323	23.057190	-161.986060
324	23.058170	-161.986180
325	23.059150	-161.986280
326	23.060130	-161.986350
327	23.061120	-161.986410
328	23.062110	-161.986450
329	23.063090	-161.986470
330	23.064080	-161.986470
331	23.065070	-161.986450
332	23.066060	-161.986400
333	23.067040	-161.986340
334	23.068030	-161.986260
335	23.069010	-161.986160
336	23.069990	-161.986030
337	23.070970	-161.985890
338	23.071950	-161.985730
339	23.072930	-161.985550

340	23.073900	-161.985350
341	23.074870	-161.985120
342	23.075830	-161.984880
343	23.076800	-161.984620
344	23.077760	-161.984340
345	23.078710	-161.984040
346	23.079660	-161.983720
347	23.080610	-161.983380
348	23.081550	-161.983020
349	23.082480	-161.982650
350	23.083410	-161.982250
351	23.084330	-161.981830
352	23.085250	-161.981400
353	23.086160	-161.980950
354	23.087060	-161.980480
355	23.087960	-161.979990
356	23.088850	-161.979480
357	23.089730	-161.978960
358	23.090600	-161.978410
359	23.091470	-161.977850
360	23.092320	-161.977270
361	23.093170	-161.976680
362	23.094010	-161.976060
363	23.094840	-161.975430
364	23.095660	-161.974790
365	23.096470	-161.974130
366	23.097270	-161.973450
367	23.098060	-161.972750
368	23.098840	-161.972040

Midway Atoll Special Management Area Boundary Coordinates

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

Point	Latitude	Longitude
1	27.997920	-177.312670
2	27.991240	-177.363420
3	27.992160	-177.417620
4	27.999620	-177.470820
5	28.015160	-177.518750
6	28.036610	-177.553930
7	28.068170	-177.594240
8	28.105720	-177.620360
9	28.148620	-177.643950
10	28.201340	-177.655070
11	28.214300	-177.656000
12	28.236740	-177.650280

13	28.258770	-177.651870
14	28.297350	-177.637040
15	28.316240	-177.625190
16	28.338040	-177.607680
17	28.369970	-177.595290
18	28.404180	-177.565440
19	28.436280	-177.526610
20	28.460440	-177.490130
21	28.475910	-177.445680
22	28.482310	-177.424090
23	28.484800	-177.378720
24	28.481280	-177.324120
25	28.464920	-177.265700
26	28.442740	-177.218650
27	28.412680	-177.172550
28	28.376800	-177.137820
29	28.332440	-177.115740
30	28.268790	-177.089450
31	28.214270	-177.087250
32	28.179270	-177.084890
33	28.156690	-177.093630
34	28.125950	-177.109140
35	28.097800	-177.124810
36	28.067810	-177.150600
37	28.039860	-177.186770
38	28.021050	-177.222070
39	28.005720	-177.264920
40	27.997920	-177.312670

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