

Papahānaumokuākea Marine National Monument
SPECIAL OCEAN USE Permit Application

NOTE: *This Permit Application (and associated Instructions) are to propose activities to be conducted in the Papahānaumokuākea Marine National Monument. The Co-Trustees are required to determine that issuing the requested permit is compatible with the findings of Presidential Proclamation 8031. Within this Application, provide all information that you believe will assist the Co-Trustees in determining how your proposed activities are compatible with the conservation and management of the natural, historic, and cultural resources of the Papahānaumokuākea Marine National Monument (Monument).*

ADDITIONAL IMPORTANT INFORMATION:

- Any or all of the information within this application may be posted to the Monument website informing the public on projects proposed to occur in the Monument.
- In addition to the permit application, the Applicant must either download the Monument Compliance Information Sheet from the Monument website OR request a hard copy from the Monument Permit Coordinator (contact information below). The Monument Compliance Information Sheet must be submitted to the Monument Permit Coordinator after initial application consultation.
- Issuance of a Monument permit is dependent upon the completion and review of the application and Compliance Information Sheet.

INCOMPLETE APPLICATIONS WILL NOT BE CONSIDERED

Send Permit Applications to:
NOAA/Inouye Regional Center
NOS/ONMS/PMNM/Attn: Permit Coordinator
1845 Wasp Blvd, Building 176
Honolulu, HI 96818
nwhipermit@noaa.gov
PHONE: (808) 725-5800 FAX: (808) 455-3093

SUBMITTAL VIA ELECTRONIC MAIL IS PREFERRED BUT NOT REQUIRED. FOR ADDITIONAL SUBMITTAL INSTRUCTIONS, SEE THE LAST PAGE.

Papahānaumokuākea Marine National Monument Permit Application Cover Sheet

This Permit Application Cover Sheet is intended to provide summary information and status to the public on permit applications for activities proposed to be conducted in the Papahānaumokuākea Marine National Monument. While a permit application has been received, it has not been fully reviewed nor approved by the Monument Management Board to date. The Monument permit process also ensures that all environmental reviews are conducted prior to the issuance of a Monument permit.

Summary Information

Applicant Name: Helen Jane Macdonald

Affiliation: Independent writer (see attached CV)

Permit Category: Special Ocean Use*

Proposed Activity Dates: Provisionally, May–June 2020

Proposed Method of Entry (Vessel/Plane): Plane (see Note below)

Proposed Locations: Midway Atoll NWR

Estimated number of individuals (including Applicant) to be covered under this permit: 1

Estimated number of days in the Monument: 60 (as per volunteering position)

***Note:** I understand the stringent requirements for an application of this nature, particularly in terms of submitting this year, so would like to reassure the Co-Trustees that this is an unusually low-impact request in that the activities detailed herein are planned to be carried out during my free time while working as a *full-time volunteer at Midway NWR in the summer of 2020*.

Therefore I will require no special arrangements, transport, accommodation or equipment, and can also assure the Co-Trustees that my work as a Volunteer will not be in any way adversely affected by this project, and vice versa.

Description of proposed activities:

a.) The proposed activity would...
comprise essential research for a book titled *Midway*, a significant work of literary non-fiction of around 90,000 words that has been contracted to major publishers in the UK, US, Canada and other countries. Like my internationally best-selling book *H is for Hawk*, it will blend memoir, history, and natural history observation with more meditative explorations of the nature of our relationship with the natural world.

The book will raise public consciousness of the work that the US Fish and Wildlife Service and is doing to preserve and maintain the ecology of the Atoll and the wider Papahānaumokuākea Marine National Monument in these increasingly difficult times for biological conservation. With its potential for vast public outreach and considering its educational, scientific, and inspirational content, the book will strongly support the management of the Monument.

I am attaching a detailed description of this book as part of this application.

b.) To accomplish this activity I will

have negligible or no impact on the delicate ecosystem and none on the management activities conducted on site. The work will be conducted only in my free time while working as a full-time volunteer at Midway Atoll NWR.

My research method is low-tech. It consists of taking observational notes with paper and pen and then later writing up these notes on my laptop. Notes will be taken while walking, visiting the archive and museum, cycling the permitted routes, and observing. The work will need no special equipment or supervision.

On site I will be writing about the flora, fauna, and the conservation and management work that occurs on the Refuge. I will also liaise with the caretakers of the Visitor's Centre Museum and Archive on the Atoll to read and take notes from the archive at the FWS offices on the Atoll, such as copies of *The Midway Mirror*, 1960s US Navy guides to living on Midway and so on. The archive on the Atoll contains many materials essential to my book unavailable elsewhere.

I'll also be paying observational attention to Midway's architectural heritage. Many older structures have been demolished, and many others of those still extant are in bad repair, so I will take guidance on which will be possible to enter or examine closely.

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

Supporting the conservation mission of the Monument, particularly in relation to Midway Atoll National Wildlife Refuge and Memorial, in its efforts to preserve, protect, and restore its biological diversity and historic resources. It will do so by educating and encouraging members of the public who may not have otherwise known about the Monument. As the Friends of Midway Atoll National Wildlife Refuge webpage states, Midway Atoll's remoteness makes it difficult for the rest of the world to know what is happening on the atoll. Previous works on Midway Atoll have been limited mainly to guides (Connie Toops and Phyllis Greenberg's *Midway: A Guide to the Atoll And Its Inhabitants* is a particularly excellent example) or chapters in larger books, often academic in nature, which tend to focus either on the wildlife of the Refuge or its military history, and have had limited audiences.

My book will be different: it will be a more rounded portrayal of the Monument and Atoll, and it will reach a much larger audience. My writing is renowned for its combination of observation and science with personal narrative in literary prose, and my work attracts readers who do not usually read books about nature or science. One of the reasons I am so excited about this project is the potential for its message to reach millions of readers who may not know anything about the Monument and Refuge. The book will not encourage readers to attempt to visit the Monument – precisely the opposite—but readers inspired by the book will get involved and engaged, and through the Friends of Midway Atoll they will be able to support the conservation mission directly in numerous ways, ranging from direct financial donation to political advocacy work on behalf of the Monument.

Other information or background:

Further information about the proposed book is attached below.

References and credentials

Please feel free to speak with any of the below regarding my work, public profile, and suitability for a special permit. The writer Neil Gaiman and my UK editor Dan Franklin are always best reached by email.

US Agent

Bill Clegg
The Clegg Agency

[REDACTED]

US Publisher

Elisabeth Schmitz
Grove Atlantic, Inc.

[REDACTED]

UK Publisher

Dan Franklin
Jonathan Cape

[REDACTED]

Neil Gaiman, Writer

[REDACTED]

Lena Headey, Actor

[REDACTED]

Professor Tim Birkhead

Professor of Behavioural Ecology, University of Sheffield, UK

[REDACTED]

Statement and details of the book *Midway*

Midway has lit my imagination ever since I was small and came across the 1964 article “The Gooney Birds of Midway” in one of my father’s beloved National Geographic magazines. This is the book I have always wanted to write. It will be called, simply, *Midway*.

It will be a significant work (circa 90,000 words) of non-fiction grounded in my own experience on site but resting on sustained research into the history, biology and ecology of the Atoll. At heart it will be a meditation on the deepest of human themes: love, death, hope, and our connection with nature. It will be anchored to these themes in particular by Midway’s albatrosses: Mōlī (Laysan albatross), and Ka’upu (Black-footed albatross).

I plan to spend time on Midway during the albatross breeding season, renew my acquaintance with the dedicated crew of people who live and work there, sit myself down amongst the birds on the sandy ground in my free time—being careful to avoid Bonin petrel burrows—waiting with the chicks as they exercise their wings in preparation to take flight, and watch and wait and think and write about nature, home, war and shame, love, and death, family and hope. Everything we are. My years working as an academic historian taught me that the best method of writing about the biggest subjects is to start with something small, before unfolding all its meanings and significances outward, until it becomes an answer to all the questions you never knew you wanted to ask. *Midway* the book will focus on the 2.4 square mile Atoll both as a site of exceptional historic and ecological value, but also as a way of speaking about what it means to be human, what it means for us to interact with and preserve the delicate ecology of the world we live in. Like *His for Hawk*, *Midway* will be based on in-depth research but course with revelations wrest from lived experience.

I’ll not only be writing about the present day on Midway but about its history, including the founding of the trans-Pacific communication station and the Clipper Trans-Pacific Seaplane years to military and domestic life there during WWII and after. And while Midway is most famed in popular consciousness for its naval battle of June 1942, the book has a particular interest in life on the island after the end of that conflict, when it possessed crucial strategic significance for the Cold War, and the air was loud with the roar of AEW Super Constellations and the site bristled with antenna fields. (Off-site, I plan to interview former inhabitants, both retired servicemen and women and their family members, to make their stories part of the book).

And of course the book must engage with the deep cultural and spiritual connections that Midway Atoll and the Northwest Hawaiian Islands of the Papahānaumokuākea Marine National Monument have in the Hawaiian tradition. My visit last year was astonishing for many reasons, but one of them was an almost visceral recognition of the spiritual power of the Monument, a place of stars and sunlit clouds and millions of living souls. It resonated with all the traditional stories I had heard about this place as being the region of primordial darkness from which life springs and spirits return after death and it was a great honor for me there to meet and speak about these matters with intern Puakea Mo’okini-Oliveira. I will engage in extended discussions with cultural practitioners about the spiritual and cosmological importance of Pihemanu and the

wider area both in a personal and in a wider cultural sense and their voices will be an essential part of the book.

Part of the book will likely focus on Wisdom, the Laysan albatross who nests with her current mate behind Bravo barracks. Of course there are surely older birds on the Atoll, but Wisdom's individuation through banding has made her a media celebrity, her story one of ageing, redemption, and hope. After every breeding season she leaves Midway to spend the rest of the year alone at sea, fishing in cold oceans, through storms, in snow, in blazing sun, buoyed by the updraughts from sunlit salt water, caught up in billowing fair-weather cumulus and stung by northerly gales. As in *H is for Hawk*, my writing will always be informed by peer-reviewed science, but will also involve more lyrical and meditative reflections. What is the ocean to an albatross? What does an albatross think and feel; how does it find its way back, what compass pulls it back to that obscure, flat plane of sand and grass and ruins of war three thousand miles away? What can home mean to a creature like Wisdom?

As a child, Midway felt something like paradise for me. It was the island of birds and aeroplanes, both creatures caught up in human dreams of flight and transcendence. But even back then it meant something else to me: the end of things. It sat in the ocean in the furthest reaches of my mind, occupying a troublesome eschatological space. Part of me knows that in the current political and environmental climate, there's only one subject we need urgently to write about: the threat of extinction. There are hundreds of books about our ongoing environmental apocalypse. Most are written to elicit terror, guilt and shame in us for the terrible mess we've made, for the shadow we've cast across the Earth. While my book will celebrate the NWR and its inhabitants, human and avian, it will tackle our perilous environmental situation too, for the Monument is facing climate change, sea level rise, invasive species, plastic debris and a host of other threats. I am particularly interested in the concept of shame, which seems intrinsic to the way we relate to environmental devastation. The action of shame is to make you either look the other way, run from the reality of consequence and responsibility—or disavow the problem entirely and decide not to care. I want to think about the nature of guilt and shame, what on earth it is good for, and whether there is a way to lessen its paralyzing power. The albatross, ever since its appearance in Coleridge's *Ancient Mariner* and the poetry of Baudelaire, has been a powerful literary symbol of guilt and shame. An albatross was the guilt of the Ancient Mariner wrought in feathers and sinew and bone, and albatrosses are both real creatures and also projections of ourselves. For we look for answers about human lives in the lives of animals, as we look for answers about the lives of animals in our own. One of the central themes of my work has been to work out how and why we value nature, and how writing about nature is always in part us writing about ourselves. Famously, albatrosses mate for life. They spend half the year apart, a hand's breadth above the cold ocean, and then when they return to land, must spend a little while learning how to walk again, how to communicate, remembering how to be this other thing, an albatross on land, before they find their mate. Then they dance together, mirror each other's actions, extend their necks high and clatter their beaks together, preen each other's feathers with rare tenderness. Some part of me has always thought that albatrosses possess the secret of how romantic partnerships are forged and endure.

Midway will also pose questions about co-habitation. What the notion of belonging to a piece of land means: the threat and reality of invasive species are part of its story, from ironwood to the albatross-threatening mice that will be undergoing much-needed extirpation during my visit. It poses questions about the meaning of home. I hope to look, too, at the translocation of albatross chicks from Midway to higher ground in O’ahu. And, chiming with our current political climate (though the book will not be overtly political!) this will be a book about what it means to resist. Not out of some deep moral compulsion, but because the world you find yourself in doesn’t belong to you any more, and you cannot recognize what is happening to it, just as we today maintain our small lives in the face of catastrophic global ruin. There is a photograph taken 75 years ago this summer of a naval oil store burning from an air-delivered Japanese bomb. Seventy five years ago, a blip in biological time, right in the middle of the battle of Midway. In the background of the photograph is a pall of black and toxic smoke. In the foreground, on the sand, plump, mild-eyed baby Laysan albatrosses, unable to parse the war, sitting there mutely as the apocalypse looms behind them. It’s an image that speaks to me now of climate emergency, of chicks being reared on an island whose long-term future, according to the US Geological Survey, is doubtful in an age of rising ocean levels.

In sum, *Midway* will be a song about loss and love and the beauty of the natural world, a careful and hopefully beautiful account of the history of the Atoll, and a celebration of how the deep commitment of the caretakers of the reserve can offer us hope during the horror of this sixth great extinction.

Section A - Applicant Information

1. Applicant

Name (last, first, middle initial):

Macdonald, Helen J

Title:

Ms.

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

Helen Jane Macdonald (Principal and Sole Investigator)

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

[REDACTED]

[REDACTED]

Fax: n/a

[REDACTED]

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

n/a

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

I am an affiliate of the Department of History and Philosophy of Science, University of Cambridge, but for the purposes of this application, am working independently.

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

none

Section B: Project Information

5a. Project location(s):

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

NOTE: Shallow water is defined by water less than 100 meters in depth.

Remaining ashore on any island or atoll (with the exception of Sand Island at Midway Atoll and field camp staff on other islands/atolls) between sunset and sunrise.

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

Location Description:

Midway Atoll NWR, comprising Sand Island, Eastern Island, and Spit Island (the last is unlikely to be visited) at 28°12'N 177°21'W.

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

None of the below

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

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

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

To conduct essential research for the 90,000-word book of literary non-fiction entitled *Midway*

Considering the purpose of the proposed activities, do you intend to film / photograph federally protected species? Yes No X

*Important note: I will *not* be specifically filming or photographing federally protected species as targets but I ought to state that I will be taking general photographs of the environment as an *aide memoire* for my writing when I return to the mainland—and due to the abundance of life on Midway the photographs are likely to occasionally include federally protected species, such as, e.g. Laysan ducks resting on the stoop of a house or on waterbodies.

For a list of terrestrial species protected under the Endangered Species Act visit:

<http://www.fws.gov/endangered/>

For a list of marine species protected under the Endangered Species Act visit:

<http://www.nmfs.noaa.gov/pr/species/esa/>

For information about species protected under the Marine Mammal Protection Act visit:

<http://www.nmfs.noaa.gov/pr/laws/mmpa/>

7. Answer the Findings below by providing information that you believe will assist the Co-Trustees in determining how your proposed activities are compatible with the conservation and management of the natural, historic, and cultural resources of the Monument:

The Findings are as follows:

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

—*Safeguarding ecological integrity and natural resources:* My activity is exceptionally non-intrusive. It does not involve any equipment that would alarm fauna, damage flora, or have other deleterious environmental impacts. Furthermore, I received detailed training as an albatross census worker in 2018 that gave me an excellent understanding of the safeguarding requirements of the site, including areas that are off-limits, species that should never be approached, and the correct strategies to use when required, such as how to avoid unnecessary contact by mistake when walking on beaches liable to contain Hawaiian Monk Seals.

—*Safeguarding cultural and historic resources.* In concrete terms there will be no impact whatsoever. A writer’s role on the ground is to witness and record, never to touch, alter, or remove anything in the historic environment. The book’s outreach will, I hope, increase the level of donation to projects that may be able to preserve and safeguard cultural and historic resources.

b. How will the activity be conducted in a manner compatible with the management direction of this proclamation, considering the extent to which the conduct of the activity

may diminish or enhance Monument cultural, natural and historic resources, qualities, and ecological integrity, any indirect, secondary, or cumulative effects of the activity, and the duration of such effects?

The purpose of the book is to wholeheartedly support the management direction of the proclamation. The book has several themes, including a more personal intellectual and spiritual journey, and it will also seek to uncover and explore more general issues relating to human interactions with the natural world, but its overarching purpose is specifically to celebrate and enhance public understanding of the Monument's cultural, natural and historic resources. Opportunities to visit the Monument and Midway Atoll will always be few and strictly controlled, so the book will give people who will never have the opportunity to travel to the Monument and Refuge an evocative sense of the site, while at the same time providing them with a deep understanding of the beauty and ecological and historical importance of the Monument. The book's beneficial effects will I hope be of long duration. One of the greatest strengths of literature is that it is available to all, and its effects are not time-limited. I hope that the book will bring the importance of the Monument and Midway Atoll NWR home to generations of future readers.

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

There is no practicable alternative to conducting this activity on Midway Atoll NWR within the Monument. It requires on-the-ground experiential research. My own personal journey as a writer and engaged environmentalist and naturalist is part of the book's narrative. Furthermore there is a wealth of undigitized hard-copy historical archival material at the Visitor's Center on Midway that cannot be accessed except by being on-site.

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

I cannot foresee any negative or adverse impacts on the Monument's cultural, natural and historic resources, qualities, and ecological integrity from the kind of book I will be writing. The Monument is remote and access to it is strictly limited. The book will not encourage people to visit, nor will it seek to critique. My last book, *H is for Hawk*, has had millions of readers worldwide, most of whom were not environmentally-minded when they picked up the book -- I hope that *Midway* will achieve similar popularity, raising the profile of the Refuge and communicating the crucial importance of the Monument to people who might otherwise have little prior knowledge or interest in it.

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

The activity will be carried out in my free time during what I hope will be a sixty-day volunteering position in May–June 2020. From my experience as both a writer of memoir and non-fiction, feature journalism, and academic history, this would give me sufficient time to take notes and write enough material for later completing the book.

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

Please see attached cv for further evidence and information, but point by point:

1. Qualification to conduct and complete activity

I have an excellent understanding of the biology, ecology, and current management activities on the island, both through my independent research of the current and historical literature, and from visiting Midway Atoll NWR in the winter of 2018/19 as a Volunteer Albatross Census Worker and witnessing and discussing the life and the work carried out there.

In terms of researching the history of the island, I am a trained historian who worked as a Fellow of Jesus College, Cambridge, for some years, teaching to PhD level. I have ample experience of working carefully and thoughtfully in archives, and am familiar with the historiography and methodology of military history and the history of conservation and ecological thought.

In terms of qualifications for writing, I am a world-renowned and best-selling author. It's perhaps fitting that President Obama chose my book *H is for Hawk* as one of his summer reads in 2016, the same year that he visited Midway Atoll and the same year as his Presidential Proclamation of the Papahānaumokuākea Marine National Monument Expansion.

I have conducted fieldwork for academic and journalistic feature writing in areas as remote as the Chilean Altiplano and the deserts of Central Asia. I am committed, hard-working, culturally sensitive and deeply ethical writer.

2. Mitigate potential impacts

In terms of mitigating potential deleterious impacts: I cannot foresee any, but welcome communication and dialogue on this point if this is considered necessary.

g. Provide information demonstrating that you have adequate financial resources available to conduct and complete the activity and mitigate any potential impacts resulting from its conduct.

My writing business is incorporated as a Limited Company. Please find attached as separate files in this application current statements for the US Dollar and UK Sterling accounts of H J Macdonald Ltd, which prove that I have sufficient funds to conduct and complete the activity. I understand that the nature of this application is public, but I would be grateful if these financial statements were not publically circulated, although the sums within them may be (see attached statement)

In terms of mitigating any potential impacts resulting from its conduct, further to the above, I will also obtain all relevant insurance required to visit the Monument under the terms of a Special Ocean Use Permit while I am also engaged as a Volunteer.

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

My research and writing methodology is an idiosyncratic and highly effective combination of observation, research and writing skills forged over many years as a naturalist, poet, and academic historian. Notes taken in the field are often written up later that day, or will be organized in files as research findings for later incorporation in my work. The main writing of the book will take place after I have left the Monument, but I will be in dialogue with experts and caretakers to check the veracity of my observations throughout the process. And as previously stated, one of the book's main purposes is to wholeheartedly support the continuance of the Monument's unique cultural, natural and historic resources, qualities, and ecological integrity.

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

N/A

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

I have no criminal history whatsoever and am of excellent character. After diagnosis and treatment this year for the relatively common autoimmune disorder Graves' Disease, I am fit, healthy, and mentally and physically ready for the rigors of working in the field. My previous experience in the field and in animal husbandry has made me unusually sensitive to reading signs of behavioral stress in animals, important in terms of making sure I do not disturb the wildlife of the Monument in any way. Jill McIntyre, the albatross count leader I worked with last season will attest to my work ethic, and the referees enclosed with this application can also attest to the lack of any factor that would make the issuance of a permit for this activity inappropriate.

FOR SPECIAL OCEAN USE ACTIVITIES OUTSIDE OF MIDWAY ATOLL SPECIAL MANAGEMENT AREA, ANSWER THE ADDITIONAL THREE FINDINGS BELOW:

- k. Explain how your activity will directly benefit the conservation and management of the Monument.
- l. Explain how the purpose of your activity is for research or education related to the resources or qualities of the Monument.

- m. Does the activity involve the use of a commercial passenger vessel (defined as a vessel that carries individuals who have paid for such carriage)?

FOR SPECIAL OCEAN USE ACTIVITIES WITHIN MIDWAY ATOLL SPECIAL MANAGEMENT AREA, ANSWER THE ADDITIONAL TWO FINDINGS BELOW:

n. Explain how your activity will further the conservation and management of the Monument.

The details of my proposed book, submitted above as part of this application, demonstrate the remit of my work. The book will *explicitly* support the conservation and management work of the Monument. As discussed above, one of the most unusual aspects of my books is that they attract readers who do not usually read books about nature or science. My hope is that *Midway* will reach millions of readers who right now might know nothing about the Monument at all except perhaps that it was the place of a WWII naval battle. Knowledge and inspiration is the first step in conservation engagement, and while the book will discourage readers from any attempt to visit the Monument, it will inspire them and wholeheartedly encourage them to help support the conservation and management work of the Monument through, for example, direct financial donation, through spreading the conservation message, through helping with political advocacy work, and so on. The Friends of Midway Atoll will be suggested in the book as a first point of contact for them to get involved.

o. How is your activity compatible with the purposes for which the Midway Atoll National Wildlife Refuge was designated?

It is particularly compatible in that it spans both historic and ecological reimits. In terms of conservation and management purposes, it will not only celebrate the ecology of the Atoll but the hard work of FWS staff members, scientists and volunteers who are committed to the safeguarding and careful management of the Refuge. It will have significant outreach, bringing its conservation message to (I hope) millions of people who might not otherwise have much knowledge of the Refuge, its ecological importance, and the work going on there. It will honor the many, many people whose lives have been touched by Midway, both military and civilian, over the years, and its enormous historical significance as the Battle of Midway National Memorial. It will also take great pains to honor the spiritual and cosmological importance of Pihemanu in Native Hawaiian culture and work to amplify the voices of cultural practitioners.

NOTE: If this is a first time Special Ocean Use activity, it will be subject to a pilot project and will be restricted in duration. Special Ocean Use activities proposed outside the Midway Atoll Special Management Area will require public notice of the application and an opportunity to provide comments is given at least 30 days prior to issuing the permit.

8. Procedures/Methods:

This activity is already restricted in duration. Please contact me if you would like to discuss how a pilot project might relate to my proposal; I would be delighted to discuss.

9. Provide proof of general liability insurance, or indicate that you will be posting an equivalent bond against claims arising out of activities conducted under the permit:

My current business travel insurance policy has a two million pound sterling personal liability insurance (American Express). If this is insufficient for the purposes of the application, I will organize general liability insurance and send details as proof.

10. If applicable, describe how you are collaborating with others in any way to reduce duplicative activities in the Monument or elsewhere?

I know of no other project of this nature currently underway.

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

No specialized gear or materials. I will be bringing a laptop computer and charger, notebooks, and an ordinary digital camera.

12. List all Hazardous Materials you propose to take to and use within the Monument:

None.

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

None.

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

This book is a new work. Therefore there are no publications that directly relate to the Monument or Atoll, but see enclosed cv. for books and papers that evidence areas of expertise related to the project.

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



31 August 2019

Signature

Date

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

NOAA/Inouye Regional Center
NOS/ONMS/PMNM/Attn: Permit Coordinator
1845 Wasp Blvd, Building 176
Honolulu, HI 96818
FAX: (808) 455-3093

DID YOU INCLUDE THESE?

- Applicant CV/Resume/Biography
- Intended field Principal Investigator CV/Resume/Biography [**Same as applicant CV**]
- Electronic and Hard Copy of Application with Signature [**Hard copy follows, electronic copy is signed**]
- Statement of information you wish to be kept confidential
- Material Safety Data Sheets for Hazardous Materials [**Not applicable**]