



United States Department of the Interior

FISH AND WILDLIFE SERVICE

1011 East Tudor Road
Anchorage, Alaska 99503-6199



Cover Letter for project titled: Pigeon Guillemot Restoration Research in Prince William Sound, Alaska

Dear Catherine,

Our request for 2017 has not changed since last year. We have attached the updated proposal and the budget.

To summarize our results to date: we trapped mink for the first time in 2014 at which time 76 mink were killed. During the 2015 trapping season 23 mink were killed in localized areas. During the 2016 trapping season seven mink were killed. Five were trapped on Peak Island and two were trapped on Naked Island, no mink were trapped on Storey Island. While we believe few mink remain in the pigeon guillemot nesting areas, we will trap again in 2017. After 2017, we will conduct a reduced trapping effort to monitor whether mink are extirpated from the nesting areas. Counts of pigeon guillemots at Peak, Naked and Story Islands has doubled in two years; 74 birds in 2014, 95 birds in 2015, and 155 birds in 2016! Numbers of pigeon guillemots counted at control islands did not have a similar increase. We did not expect to see this large of increase in birds this quickly. We surveyed for breeding guillemots and found the number of nests had more than tripled since 2014; 11 nests in 2014, 30 nests in 2015, and 39 nests in 2016. Colonies are starting to form with up to 8 nests in one area. Productivity during the chick stage was high, around 80%, indicating that the adults could find enough food for their chicks. This is especially good given that the black-legged kittiwakes and glaucous-winged gulls had complete reproductive failure in the Sound in 2016.

The Science Panel expressed concern that this project is not eradicating mink from the Naked Island group. The PIs share this concern and in 2015 and 2016 asked ADF&G to ease the trapping restrictions. We intend to make a third request to ADF&G in Fall 2016 and hope the EVOSTC will support our effort.

We are hopeful that removing mink from the pigeon guillemot nesting areas will have a long-term positive effect on the pigeon guillemot populations, in that any mink remaining on the islands will not be in the habit of preying on nesting guillemots or inhabiting the shoreline where the guillemots nest.

The Science Panel also suggested that modeling the mink and pigeon guillemot populations into the future would be helpful. We agree and will include that in our final report.

FY17 PROJECT PROPOSAL SUMMARY PAGE

Continuing, Multi-Year Projects

Proposals are due to the EVOSTC office by September 1, 2015. Please note that the information in your proposal and budget form will be used for funding review. Late proposals, revisions or corrections may not be accepted.

Project Title: Pigeon Guillemot Restoration Research in Prince William Sound, Alaska

Project Period: February 1, 2017 – January 31, 2018

Primary Investigator(s): Robb Kaler, U.S. Fish and Wildlife Service, Dr. David B. Irons, Retired U.S. Fish and Wildlife Service, and Dr. Daniel D. Roby, U.S. Geological Survey – Oregon Cooperative Research Unit

Study Location: Naked, Storey and Peak islands in Prince William Sound, Ak

Project Website (if applicable): None at this time.

Abstract*: This project is providing an opportunity to restore the population of Pigeon Guillemots (*Cephus columba*) in Prince William Sound, Alaska, which had fallen by more than 90% at the Naked Island Group since 1989. A restoration plan for Pigeon Guillemots in PWS was prepared to address the species' lack of population recovery following injury by the 1989 *Exxon Valdez* oil spill. Predation on nests and adults by mink is now the primary limiting factor for guillemot reproductive success and population recovery at the most important historical nesting site for guillemots in PWS (i.e., the Naked Island group). Mink on the Naked Island group are descended in part from fur farm stock and arrived on the island group during the 1980s. The goal of the project is to remove all mink from the Pigeon Guillemot nesting areas and allow for recovery to occur. **FY17 is the 4th year of the 5-year project.** We trapped for the first time in the winter and spring of 2014, at which time 76 mink were killed. During the 2015 trapping season 23 mink were killed in localized areas. During the 2016 trapping season seven mink were killed. Five were trapped on Peak Island and two were trapped on Naked Island, no mink were trapped on Storey Island. While we believe few mink remain in the pigeon guillemot nesting areas, we will trap again in 2017. After 2017, we will conduct a reduced trapping effort to monitor whether mink are extirpated from the nesting areas. Counts of pigeon guillemots at Peak, Naked and Story Islands has doubled in two years; 74 birds in 2014, 95 birds in 2015, and 155 birds in 2016! Numbers of pigeon guillemots counted at control islands did not have a similar increase. We did not expect to see this large of increase in birds this quickly. We surveyed for breeding guillemots and found the number of nests had more than tripled since 2014; 11 nests in 2014, 30 nests in 2015, and 39 nests in 2016. Colonies are starting to form with up to 8 nests in one area. Productivity during the chick stage was high, around 80%, indicating that the adults could find enough food for their chicks. This is especially good given that the black-legged kittiwakes and glaucous-winged gulls had complete reproductive failure in the Sound in 2016.

**The abstract should provide a brief overview of the overall goals and hypotheses of the project and provide sufficient information for a summary review as this is the text that will be used in the public work plan and may be relied upon by the PAC and other parties.*

Estimated Budget:**EVOSTC Funding Requested*** (must include 9% GA):

FY14	FY15	FY16	FY17	FY18	TOTAL
\$396,655.8	\$391,205.8	\$154,014.5	\$139,967.7	\$124,707.7	\$1,206,551.4
USDA-FS permitting costs			\$9810.0		

Non-EVOSTC Funds to be used: First line is from National Fish and Wildlife Foundation Grant, second line is USFWS in kind support.

FY14	FY15	FY16	FY17	FY18	TOTAL
\$218,280.0	\$198,280.0	\$204,580.0	\$215,580.0	\$214,580.0	\$1,051,300.0
\$173,000.0	\$173,000.0	\$113,000.0	\$98,000.0	\$98,000.0	\$655,000.0

**If the amount requested here does not match the amount on the budget form, the request on the budget form will be considered to be correct.*

Date: 10 August 2016, updated Aug. 23, 2016

Reviewers will have available your annual report, original proposal, and this proposal during their review. However, to assist reviewers, please highlight or otherwise distinguish any new or additional information that was not included in your original proposal.

I. EXECUTIVE SUMMARY

Please provide a summary of the project including key hypotheses and overall goals, as submitted in your original proposal. If there are additional highlights that you would like to include since you submitted your annual report, please include them here. Also, please list any publications that have been submitted and/or accepted since you submitted your annual report. :

This project provides an opportunity to restore the population of Pigeon Guillemots (*Cepphus columba*) in Prince William Sound, Alaska, which has fallen by more than 90% at the Naked Island Group since 1989. A restoration plan for Pigeon Guillemots in PWS was prepared to address the species' lack of population recovery following injury by the 1989 *Exxon Valdez* oil spill. Predation on nests and adults by mink is now the primary limiting factor for guillemot reproductive success and population recovery at the most important historical nesting site for guillemots in PWS (i.e., the Naked Island group). Mink on the Naked Island group are descended in part from fur farm stock and arrived on the island group during the 1980s. The goal of the project is to remove all mink from the Pigeon Guillemot nesting areas and allow for recovery to occur. We trapped for the first time in the winter and spring of 2014, at which time 76 mink were killed. During the 2015 trapping season 23 mink were killed in localized areas. During the 2016 trapping season seven mink were killed. Five were trapped on Peak Island and two were trapped on Naked Island, no mink were trapped on Storey Island. While we believe few mink remain in the pigeon guillemot nesting areas, we will trap again in 2017. After 2017, we will conduct a reduced trapping effort to monitor whether mink are extirpated from the nesting areas. Counts of pigeon guillemots at Peak, Naked and Story Islands has doubled in two years; 74 birds in 2014, 95 birds in 2015, and 155 birds in 2016! Numbers of pigeon guillemots counted at control islands did not have a similar increase. We did not expect to see this large of increase in birds this quickly. We surveyed for breeding guillemots and found the number of nests had more than tripled since 2014; 11 nests in 2014, 30 nests in 2015, and 39 nests in 2016. Colonies are starting to form with up to 8 nests in one area. Productivity during the chick stage was high, around 80%, indicating that the adults could find enough

food for their chicks. This is especially good given that the black-legged kittiwakes and glaucous-winged gulls had complete reproductive failure in the Sound in 2016.

The population response of guillemots to mink eradication at the Naked Island group is measurable through the comparison of historical and recent guillemot population surveys completed at the Naked Island group and the Smith Island group (mink-free islands) using a Before–After–Control–Impact design. Although a precise prediction of the guillemot population response to mink eradication is not possible, the time expected to population recovery can be estimated. If the expected increase in guillemot productivity from mink eradication is realized and model assumptions are correct, guillemot population at the Naked Island group will double within 5-10 years following mink.

The National Fish and Wildlife Foundation provided \$1,051,300 in support of this project to restore Pigeon Guillemots.

Change from original proposal: The plan was to eradicate all mink from islands, but ADF&G did not support that as a first step. Now the plan is to remove all mink from the 70% of the shoreline where Pigeon Guillemots nested or currently nest.

II. COORDINATION AND COLLABORATION

A. Within a EVOTC-Funded Program

Provide a list and clearly describe the functional and operational relationships with other EVOSTC-funded program projects. This includes any coordination that has taken or will take place and what form the coordination will take (shared field sites or researchers, research platforms, sample collection, data management, equipment purchases, etc.).

The Gulf Watch, Continuing the Legacy: Prince William Sound Marine Bird Population Trends project produces a sound-wide estimate for Pigeon Guillemots, which will be used to monitor the population recovery at the sound-wide scale. We may be able to share a summer campsite in the future.

B. With Other EVOSTC-funded Projects

Indicate how your proposed project relates to, complements or includes collaborative efforts with other proposed or existing projects funded by the EVOSTC that are not part of a EVOSTC-funded program.

We are not aware of any such projects.

C. With Trustee or Management Agencies

Please discuss if there are any areas which may support EVOSTC trust or other agency work or which have received EVOSTC trust or other agency feedback or direction, including the contact name of the agency staff. Please include specific information as to how the subject area may assist EVOSTC trust or other agency work.

If the proposed project requires or includes collaboration with other agencies, organizations or scientists to accomplish the work, such arrangements should be fully explained and the names of agency or organization representatives involved in the project should be provided. If your proposal is in conflict with another project, note this and explain why.

Implementation of this plan requires coordination with agencies with authority and responsibility of the Naked Island group, American mink, and Pigeon Guillemots (See below). Monitoring of Pigeon Guillemots is being conducted by the U.S. Fish and Wildlife Service. Permits for eradication of mink at the Naked Island group are being obtained from both the Alaska Department of Fish and Game and the

U.S. Department of Agriculture – Forest Service. Mink removal is being conducted by the U.S. Department of Agriculture – Wildlife Services or other contractor.

Authority and Responsibility

U. S. Fish and Wildlife Service

The U.S. Fish and Wildlife Service mission is “to work with others to conserve, protect and enhance fish, wildlife and plants and their habitats for the continuing benefit of the American people.” Along with other Federal, State, Tribal, local, and private entities, the Service protects migratory birds, endangered species, certain fish species, and wildlife habitat. The Service is the primary agency responsible for the conservation of the Pigeon Guillemot and its habitat as authorized by the Migratory Bird Treaty Act.

Alaska Department of Fish and Game

The mission of the Alaska Department of Fish and Game is to “protect, maintain, and improve the fish, game, and aquatic plant resources of the state, and manage their use and development in the best interest of the economy and the well-being of the people of the state, consistent with the sustained yield principle.” The Department is responsible for maintaining a harvestable surplus of fish and wildlife species, including furbearers and marine forage fish.

U.S. Department of Agriculture Forest Service

The mission of the Forest Service is “to sustain the health, diversity, and productivity of the Nation’s forests and grasslands to meet the needs of present and future generations.” The Forest Service is responsible for the management of the 5.4 million acre Chugach National Forest that includes nearly all of the Naked Island group, along with most of the rest of the land area of Prince William Sound.

III. PROJECT DESIGN – PLAN FOR FY17

A. Objectives for FY17

Identify the primary objectives for your project for FY17 as submitted in your original proposal.

Objective 1. Remove mink from pigeon guillemot nesting areas on Naked, Storey and Peak Islands.

Objective 2. Monitor the guillemot population response to mink removal the Naked Island group.

B. Changes to Project Design

If the project design has changed from your original proposal, please identify any substantive changes and the reason for the changes. Include any information on problems encountered with the research or methods, if any. This may include logistic or weather challenges, budget problems, personnel issues, etc. Please also include information as to how any problem has been or will be resolved. This may also include new insights or hypotheses that develop and prompt adjustment to the project.

There was no snow on Naked Island last winter, which made it impossible to do a survey of mink tracks in the snow. There may be no snow this winter. Track surveys help us identify where the remaining mink are. Without snow we will put out more trail cameras to identify locations with mink.

IV. SCHEDULE

A. Project Milestones for FY 17

For each project objective listed (III.A), specify when critical project tasks will be completed, as submitted in your original proposal. Please identify any substantive changes and the reason for the changes. Please format your information as in the following example:

Objective 1. Remove mink from pigeon guillemot nesting areas on Naked, Storey and Peak Islands.
To be met by January 2019

Objective 2. Monitor the guillemot population response to mink removal the Naked Island group.
To be met by December 2019

B. Measurable Project Tasks for FY 17

Specify, by each quarter of each fiscal year, when critical project tasks (for example, sample collection, data analysis, manuscript submittal, etc.) will be completed, as submitted in your original proposal. Please identify any substantive changes and the reason for the changes. Please format your schedule as in the following example:

FY 17, 1st quarter (February 1, 2017 - April 31, 2017)

February to April: *Trap mink*
March: *Annual report*

FY 17, 2nd quarter (May 1, 2017-July 30, 2017)

May: *Trap mink*
May-June: *Pigeon Guillemot Survey*
July: *Nest search. productivity*

FY 17, 3rd quarter (August 1, 2017 – October 31, 2017)

August-October: *Analyze data*

FY 17, 4th quarter (November 1, 2017- January 31, 2017)

January: *Attend AMSS*
Nov-Jan: *prepare for field season*

V. PROJECT PERSONNEL – CHANGES AND UPDATES

If there are any staffing changes to Primary Investigators or other senior personnel please provide CV's for any new personnel and describe their role on the project.

No Change

VI. BUDGET

A. Budget Forms (Attached)

Provide completed budget forms.

B. Changes from Original Proposal

If your FY17 funding request differs from your original proposal, provide a detailed list of the changes and discuss the reason for each change.

The requested amount is the same as last year in that we have reduced personnel and commodities cost and increased contractual costs because we decided to have a graduate student from Oregon State University conduct the summer restoration portion of the project.

C. Sources of Additional Funding

Identify non-EVOSTC funds or in-kind contributions used as cost-share for the work in this proposal. List the amount of funds, the source of funds, and the purpose for which the funds will be used. Do not include funds that are not directly and specifically related to the work being proposed in this proposal.

National Fish and Wildlife Foundation	\$215,580 for conducting fieldwork (salary, gas, equipment)
USFWS in kind contributions	\$98,000 for salary, boats and equipment

**EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL
DETAILED BUDGET FORM FY 17- FY 18**

Budget Category:	Proposed		Proposed FY 18	Proposed FY 19	TOTAL PROPOSED
	FY 17	FY 17			
	USFWS	USDA-FS			
Personnel	\$0.0	\$9,000.0	\$0.0	\$0.0	\$9,000.0
Travel	\$3,712.0	\$0.0	\$3,712.0	\$0.0	\$7,424.0
Contractual	\$121,698.7	\$0.0	\$107,698.7	\$0.0	\$229,397.4
Commodities	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Equipment	\$3,000.0	\$0.0	\$3,000.0	\$0.0	\$6,000.0
Indirect (Contractor)	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
SUBTOTAL	\$128,410.7	\$9,000.0	\$114,410.7	\$0.0	\$251,821.4
General Administration (9% of subtotal)	\$11,557.0	\$810.0	\$10,297.0	\$0.0	\$22,663.9
PROJECT TOTAL	\$139,967.7	\$9,810.0	\$124,707.7	\$0.0	\$274,485.3
Other Resources (Cost Share Funds)	\$98,000.0	\$0.0	\$0.0	\$0.0	\$0.0

NFWF Wildlife Fund \$215,580.0

COMMENTS: In this box, identify non-EVOS funds or in-kind contributions used as cost-share for the work in this proposal. List the amount of funds, the source of funds, and the purpose for which the funds will be used. Do not include funds that are not directly and specifically related to the work being proposed in this proposal.

FY17 - 18

**Project Title: Pigeon Guillemot Restoration
Lead PI: David B. Irons
Agency: U.S. Fish and Wildlife Service**

**FORM 3A
TRUSTEE &
CONTRACTOR
SUMMARY**

**EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL
DETAILED BUDGET FORM FY 10- FY 12**

Budget Category:	Proposed FY 14	Proposed FY 15	Proposed FY 16	Proposed FY 17	Proposed FY 18	TOTAL PROPOSED	ACTUAL CUMULATIVE	NFWF Budget Share
Personnel	\$43,800.0	\$43,800.0	\$0.0	\$0.0	\$0.0	\$87,600.0		
Travel	\$1,914.0	\$1,914.0	\$3,712.0	\$3,712.0	\$3,712.0	\$14,964.0		
Contractual	\$275,190.4	\$270,190.4	\$134,585.7	\$121,698.7	\$107,698.7	\$909,363.9		
Commodities	\$40,000.0	\$40,000.0	\$0.0	\$0.0	\$0.0	\$80,000.0		
Equipment	\$3,000.0	\$3,000.0	\$3,000.0	\$3,000.0	\$3,000.0	\$15,000.0		
SUBTOTAL	\$363,904.4	\$358,904.4	\$141,297.7	\$128,410.7	\$114,410.7	\$1,106,927.9		\$1,051,300.0
General Administration (9% of subtotal)	\$32,751.4	\$32,301.4	\$12,716.8	\$11,557.0	\$10,297.0	\$99,623.5		
PROJECT TOTAL	\$396,655.8	\$391,205.8	\$154,014.5	\$139,967.7	\$124,707.7	\$1,206,551.4		\$1,051,300
Other Resources (Cost Share Funds)	\$173,000.0	\$173,000.0	\$113,000.0	\$98,000.0	\$98,000.0	\$655,000.0		
NFWF Grant	\$218,280.0	\$198,280.0	\$204,580.0	\$215,580.0	\$214,580.0	\$1,051,300.0		

Comments: Cost-Share Funds

David Irons salary (GS13 for 6 months) = \$60K
 Boat user fee (FY14 300 days, FY15 300 day, FY16 180 days, FY17 150 days, FY18 150 days @ \$500/day) = \$540K
 Equipment user fee (computers, survival suits, electronics, etc.) = \$12K/Year X 5 Years = \$60K
 GSA vehicle user fee = \$1k/Year X 5 Years = \$5K

Total = \$665K

FY14 - 18

Project Title: Pigeon Guillemot Restoration
Lead PI: David B. Irons
Agency: U.S. Fish and Wildlife Service

**FORM 3A
TRUSTEE AGENCY
SUMMARY**

**EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL
DETAILED BUDGET FORM FY 10- FY 12**

Contractual Costs:	Contract	
Description	Sum	
USDA APHIS Wildlife Services Contract includes:		
Bio Science Tech (9 trappers x 3 months x \$3000/trapper/month + \$600/trapper/month overtime)	97,200.0	
Per diem (camp rate), 9 people x 90 days x \$5/person/day	4,050.0	
Per diem (travel rate), 9 people x 6 days x \$64/person/day	3,456.0	
Lodging, 9 people, 7 nights x 5 rooms@ \$160/room (Whittier boat training)	5,600.0	
APHIS Wildlife Services overhead 17.12%	18,884.4	
Other Contracts:		
Charter vessel (winter - 90 days @ \$2,000/day)	120,000.0	60000
Harbor Fees	1,000.0	
Boat repairs and parts	15,000.0	10000
Mink age, sex and diet data	10,000.0	
If a component of the project will be performed under contract, the 4A and 4B forms are required.		
Contractual Total	\$275,190.4	

Commodities Costs:	Commodities	
Description	Sum	
Boat fuel (3 boats x 90 days x 40 gal/boat/day x \$5/gal winter) (1 boat x 30 days x 70 gal/boat/day x \$5/gal summer)	39,500.0	25000
Outboard oil (3 boats x 3 months x 2 gal/boat/month x \$25/gal winter) (1 boat x 1 month x 2 gal/boat/month x \$25/gal summer)	500.0	
Food (3 people x 30 days x \$20/day summer) (vessel provides food in winter)		1800
Barge for Fuel storage (Naked Island)		20000
Traps and trapping equipment		10000
Commodities Total	\$40,000.0	

FY14

Project Title: Pigeon Guillemot Restoration
Lead PI: David B. Irons

**FORM 3B
CONTRACTUAL &
COMMODITIES DETAIL**

**EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL
DETAILED BUDGET FORM FY 10- FY 12**

Contractual Costs:	Contract	
Description	Sum	
USDA APHIS Wildlife Services Contract includes:		
Bio Science Tech (9 trappers x 3 months x \$3000/trapper/month + \$600/trapper overtime)	97,200.0	
Per diem (camp rate), 9 people x 90 days x \$5/person/day	4,050.0	
Per diem (travel rate), 9 people x 6 days x \$64/person/day	3,456.0	
Lodging, 9 people, 7 nights x 5 rooms@ \$160/room (Whittier boat training)	5,600.0	
APHIS Wildlife Services overhead 17.12%	18,884.4	
Other Contracts:		
Charter vessel (winter - 90 days @ \$2,000/day)	120,000.0	60000
Harbor Fees	1,000.0	
Boat repairs and parts	15,000.0	10000
Mink age, sex and diet data	5,000.0	
If a component of the project will be performed under contract, the 4A and 4B forms are required.		
Contractual Total	\$270,190.4	

Commodities Costs:	Commodities	
Description	Sum	
Boat fuel (3 boats x 90 days x 40 gal/boat/day x \$5/gal winter) (1 boat x 30 days x 70 gal/boat/day x \$5/gal summer)	39,500.0	25000
Outboard oil (3 boats x 3 months x 2 gal/boat/month x \$25/gal winter) (1 boat x 1 month x 2 gal/boat/month x \$25/gal summer)	500.0	
Food (3 people x 30 days x \$20/day summer) (vessel provides food in winter)		1800
Barge for Fuel storage (Naked Island)		20000
Commodities Total	\$40,000.0	

FY15

Project Title: Pigeon Guillemot Restoration
Lead PI: David B. Irons

**FORM 3B
CONTRACTUAL &
COMMODITIES DETAIL**

Personnel Costs:		Months	Monthly	Overtime	Personnel
Name	Project Title	Budgeted	Costs		Sum
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
Subtotal			0.0	0.0	
Personnel Total					\$0.0

Travel Costs:	Ticket	Round	Total	Daily	Travel
Description	Price	Trips	Days	Per Diem	Sum
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
Travel Total					\$0.0

FY18

**Project Title: Pigeon Guillemot
 Restoration
 Primary Investigator: David Irons
 Agency: USDA-FS component**

**FORM 4B
PERSONNEL &
TRAVEL DETAIL**

Personnel Costs:		Months	Monthly	Overtime	Personnel
Name	Project Title	Budgeted	Costs		Sum
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
Subtotal			0.0	0.0	
Personnel Total					\$0.0

Travel Costs:	Ticket	Round	Total	Daily	Travel
Description	Price	Trips	Days	Per Diem	Sum
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
Travel Total					\$0.0

FY19

**Project Title: Pigeon Guillemot
 Restoration
 Primary Investigator: David Irons
 Agency: USDA-FS component**

**FORM 4B
PERSONNEL &
TRAVEL DETAIL**

Personnel Costs:		Months	Monthly	Overtime	Personnel
Name	Project Title	Budgeted	Costs		Sum
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
Subtotal			0.0	0.0	
Personnel Total					\$0.0

Travel Costs:	Ticket	Round	Total	Daily	Travel
Description	Price	Trips	Days	Per Diem	Sum
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
Travel Total					\$0.0

FY20

**Project Title: Pigeon Guillemot
 Restoration
 Primary Investigator: David Irons
 Agency: USDA-FS component**

**FORM 4B
PERSONNEL &
TRAVEL DETAIL**

Personnel Costs:		Months	Monthly	Overtime	Personnel
Name	Project Title	Budgeted	Costs		Sum
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
Subtotal			0.0	0.0	
Personnel Total					\$0.0

Travel Costs:	Ticket	Round	Total	Daily	Travel
Description	Price	Trips	Days	Per Diem	Sum
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
Travel Total					\$0.0

FY21

**Project Title: Pigeon Guillemot
 Restoration**
Primary Investigator: David Irons
Agency: USDA-FS component

FORM 4B
PERSONNEL &
TRAVEL DETAIL

