



# United States Department of the Interior

FISH AND WILDLIFE SERVICE  
Pacific Southwest Region  
2800 Cottage Way, Suite W- 2606  
Sacramento, California 95825



In Reply Refer To:  
FWS/SFBNWRC PRBO

JUL 21 2014

Point Reyes Bird Observatory  
dba Point Blue Conservation Science  
Ellie Cohen, President and CEO  
3820 Cypress Drive, #11  
Petaluma, CA. 94954  
DUNS: 119744100

Field Station Copy

Subject: Notice of Cooperative Agreement Award F14AC00237

Dear Ms. Cohen:

Your organization's application for Federal financial assistance titled "Protect, Conserve and Monitor the Farallon Islands' Ecosystem" submitted to the U.S. Fish and Wildlife Service's (USFWS) CFDA Program 15.608 is approved. This award is made under the authority of the Fish and Wildlife Act of 1956, as amended, 16 U.S.C. 742a-742j. For a complete list of this program's authorizing legislation, go to <https://www.cfda.gov/> and search by the CFDA Program number. This award is made based on USFWS approval of your organization's proposal (SF424 Application) signed on 05/14/2014, hereby incorporated by reference into this award. Funds under this award are to be used to provide stewardship with Point Reyes Bird Observatory doing business as Point Blue Conservation Science (Point Blue) at the U.S. Fish and Wildlife Service (Service), Farallon National Wildlife Refuge (Refuge). The objective is to protect, conserve and monitor the Farallon Islands ecosystem including but not limited to birds, mammals, salamanders, insects, other wildlife and plants. This project will benefit the Refuge by maintain facilities on the Farrallon Islands and by collecting data to help guide management actions and promote public awareness:

## The Recipient Will:

- Furnish the necessary personnel, equipment and supplies and otherwise perform all things necessary for or incident to assisting the Service on the Farallon National Wildlife Refuge (Refuge) with: managing and promoting public awareness of the Refuge; monitoring of seabirds, marine mammals, and other wildlife and plants; providing routine sea going transportation for staff and supplies.
- Providing protective services for Refuge lands and wildlife to the maximum extent possible.

- Operating, maintaining and improving the facilities including conducting inspections and preventative maintenance in accordance with procedures outlined in the Farallon Operations Handbook and Monthly Maintenance Checklist.
- Furnish monthly phone line/internet communications services that interface with Service-provided communications hardware.
- Provide information and expert opinion to the Service for refuge management purposes.
- Assist the Service with development or review of reports, proposals, plans, environmental compliance documents, or other documents pertaining to the Refuge that are within the scope of Point Blue's expertise.
- Participate in the Refuge Safety Committee.
- Meet periodically with Service personnel to assess progress and to promote exchange of information to assure coordination of this cooperative effort.

### **The Service Will:**

- Take all responsibility for managing the Refuge.
- Provide biologists and maintenance personnel, on an as available basis, necessary to maintain Service facilities and equipment.
- Conduct habitat management activities.
- Conduct biological activities, and other administrative duties.
- Meet periodically with Point Blue to provide technical assistance and review progress related to the cooperative effort.
- Provide basic equipment, including major kitchen appliances, washer, water supply and filter system, and materials and equipment necessary to maintain the Service facilities on Southeast Farallon Island.
- Provide an electrical system necessary for power to the Service facilities, water supply pump, workshop and boat hoist, including all parts, overhauls, oil, fuel, wires, circuit breakers required to maintain the electrical system.
- Provide 2 boats with outboard motors (one each for North and East Landing) for use in accomplishing tasks specified in this Agreement.
- Provide radio and satellite communication system hardware to ensure adequate communications for health and safety of personnel on the island.

### **Type of Agreement:**

- |                                                           |                                                      |
|-----------------------------------------------------------|------------------------------------------------------|
| <input type="checkbox"/> Grant Agreement                  | <input type="checkbox"/> Fisheries Program           |
| <input checked="" type="checkbox"/> Cooperative Agreement | <input checked="" type="checkbox"/> Refuges Program  |
| <input type="checkbox"/> Fire Agreement                   | <input type="checkbox"/> Ecological Services Program |
| <input type="checkbox"/> Challenge Cost Share             | <input type="checkbox"/> Science Applications        |
| <input type="checkbox"/> CESU Master Agmt #               | <input type="checkbox"/> Migratory Birds             |
| <input type="checkbox"/> NRDA                             | <input type="checkbox"/> National Wetlands Inventory |

### **Type of Organization:**

- |                                                  |                                                             |
|--------------------------------------------------|-------------------------------------------------------------|
| <input type="checkbox"/> State Government        | <input type="checkbox"/> Local Government                   |
| <input type="checkbox"/> Tribal                  | <input checked="" type="checkbox"/> Non-Profit Organization |
| <input type="checkbox"/> Higher Education Inst.  | <input type="checkbox"/> Private Individual                 |
| <input type="checkbox"/> For Profit Organization |                                                             |

**Project Period:**

The project period of this award is April 1, 2014 through September 30, 2019. This is the period of Federal sponsorship. Point Blue may invoice for expenses dating back to April 1, 2014. This project will be funded incrementally over time based on availability of funds. The Service will provide funds (Base Funds) to Point Blue annually, or more often if necessary, to accomplish and enhance the public benefits incorporated in this agreement based on the following formula as funds allow: 1) the equivalent annual salary (at the calendar year 2014 local geographic federal base pay) of one GS-7 and one GS-11, Step 1; plus 2) a fixed 20% benefits adjustment; plus 3) a per diem allowance (at \$20/day per person camp rate) for two people for the entire year. Additional funding for other specific projects may be provided as they become available. For each increment of funding, Point Blue will need to submit the following federal forms: 1) SF424 Application for Federal Assistance; and 2) SF424A Budget (Non-construction programs). Also, additional funds for specific projects will require separate scopes of work.

The funding period for the first segment of this project is April 1, 2014 through March 31, 2015. The total amount of USFWS funding available for the first segment of this project is \$173,855.00. Only allowable costs resulting from obligations incurred during this funding period and any authorized pre-award costs that are approved may be charged to this award.

The USFWS may revise this award over time to add new funding for each subsequent project segment. Each project segment will be assigned a specific funding period, during which only allowable costs resulting from obligations incurred during the specified funding period may be charged to this award. All obligations incurred during a funding period must be liquidated within 90 days of the funding period end date. You must submit a written request to the USFWS Project Officer before the end of the stated period if you need more time to liquidate all obligations.

The USFWS's obligation to provide incremental funding up to the total anticipated award amount is contingent on: 1) satisfactory Recipient performance and 2) the availability of funds. No legal liability on the part of the USFWS exists unless and until the USFWS obligates funds and notifies the Recipient in writing that funds are available for the purposes of this award.

**Funding:**

This award is funded as follows:

	<u>USFWS</u>	<u>Recipient</u>
This obligation:	\$173,855.00	\$305,260.00
Previous obligation:	\$0.00	\$0.00
<b>Award Total:</b>	<b>\$173,855.00</b>	<b>\$305,260.00</b>

**Federal Share/Match Requirements:** Point Blue will provide in-kind services valued at a 2:1 match. In-kind services include, but are not limited to, additional staff/interns needed for data collection, coordinating transportation and logistics for the island, and activities that result in other public benefits as outlined above. The total annual cost of the project to Point Blue is approximately \$500,000.

**System for Award Management (SAM) Registration:**

Under the terms and conditions of this award, your organization must maintain an active SAM registration at <https://www.sam.gov/portal/public/SAM/> until the final financial report is submitted or final payment is received, whichever is later. If your organization's SAM registration expires during the

required period, the USFWS will suspend payment under this and all other USFWS awards to your organization until you update your organization's SAM registration.

**Terms of Acceptance:**

Acceptance of a financial assistance award from the USFWS carries with it the responsibility to be aware of and comply with the terms and conditions applicable to the award. Acceptance is defined as the start of work, drawing down funds, or accepting the award via electronic means. Awards are based on the application submitted to and approved by the USFWS. Awards are subject to the terms and conditions incorporated into the notice of award either by direct citation or by reference to the following: Federal regulations; program legislation or regulation; and special award terms and conditions. The Federal regulations applicable to USFWS awards are listed by recipient type in the **USFWS Financial Assistance Award Terms and Conditions** posted on the Internet at <http://www.fws.gov/grants/>. If you do not have access to the Internet and require a full text copy of the award terms and conditions, contact the USFWS Project Officer.

**Payments:**

Your organization has completed enrollment in U.S. Treasury's Automated Standard Application for Payment (ASAP) system. When requesting payment in ASAP, your Payment Requestor will be required to enter an Account ID. The Award Number assigned to this award is the partial Account ID in ASAP. When entering the Account ID in ASAP, the Payment Requestor should enter the Award Number identified in the subject line on this Notice of Award followed by a percent sign (%). Refer to the ASAP.gov Help menu for detailed instructions on requesting payments in ASAP. Point Blue is required to manage and invoice separately funds across purposes or programs, including Base Funds (as described in Project Period, above) and other funds for specific projects.

**Reporting Requirements:**

**Financial and Performance Reporting Requirements:**

Annual interim financial and performance reports and final financial performance reports are required under this award. The report periods and due dates under this award are:

<b>Report:</b>	<b>Report Period:</b>	<b>Report Due Date:</b>
<b><u>Interim</u></b> financial & performance report	April 1, 2014-March 31, 2015	June 29, 2015
<b><u>Interim</u></b> financial & performance report	April 1, 2015-March 31, 2016	June 29, 2016
<b><u>Interim</u></b> financial & performance report	April 1, 2015-March 31, 2017	June 29, 2017
<b><u>Interim</u></b> financial & performance report	April 1, 2017-March 31, 2018	June 29, 2018
<b><u>Final</u></b> financial & performance report	April 1, 2018-March 31, 2019	June 29, 2019

Recipients must use the SF 425, *Federal Financial Report* form for all financial reporting. This form is available at [http://www.whitehouse.gov/omb/grants\\_forms/](http://www.whitehouse.gov/omb/grants_forms/).

Performance reports must contain: 1) a comparison of actual accomplishments with the goals and objectives of the award as detailed in the approved scope of work; 2) a description of reasons why established goals were not met, if appropriate; and 3) any other pertinent information relevant to the

project results. Please include the USFWS award number provided in the subject line of this letter on all reports.

Financial and performance reporting due dates may be extended by the USFWS upon receipt of a written request addressed to the USFWS Project Officer identifying the type of report to be extended, the requested revised due date, and a justification for the extension. The USFWS Project Officer may approve an additional extension if justified by a catastrophe that significantly impairs the recipient's operations. Requests for reporting due date extensions must be received by the USFWS Project Officer before the original reporting due date.

#### **Significant Developments Reports:**

Events may occur between the scheduled performance reporting dates that have significant impact upon the supported activity. In such cases, notify the USFWS Project Officer in writing as soon as the following types of conditions become known:

- Problems, delays, or adverse conditions that will materially impair the ability to meet the objective of the Federal award. This disclosure must include a statement of any corrective action(s) taken or contemplated, and any assistance needed to resolve the situation.
- Favorable developments that enable meeting time schedules and objectives sooner or at less cost than anticipated or producing more or different beneficial results than originally planned.

#### **Other Deliverables:**

- Monthly Report that includes updates on populations, breeding status for 13 nesting species of seabirds, 5 species of pinnipeds, other breeding birds, and any endangered/threatened species recorded on the South Farallon Islands. For pinnipeds, average and peak monthly adult and pup counts will be included. The monthly reports will also contain information on staffing, visitors, dates and numbers of visitors to the Wilderness Area, weather, bird, marine mammal, salamander or cricket activity of interest, habitat restoration activities, violations, sightseeing boat activity, maintenance, fuel and water usage, and other noteworthy wildlife or human occurrences on or around the Refuge. The April report will contain an estimate of water collection.
- Annual Seabird Report (due December 15 each year) that includes the following information for all seabird breeding species: 1) breeding population estimate (including maps of survey results and correction factor calculations); 2) breeding success (described as average number of chicks/breeding pair, combining first and second attempts; include sample size); 3) other components of breeding success (i.e., average clutch size, brood size, hatching success and fledgling success); 4) dates of last chicks fledged; 5) numbers of chicks and adults banded; and 6) interpretation of results and management recommendations. For species where estimates of population size or breeding size monitoring is problematic (i.e., ash and Leach's storm-petrels, double-crested cormorant, Cassin's and rhinoceros auklets, and tufted puffin), other information such as numbers banded, capture/recapture data, box occupancy rates, index plot data, number of active sites, etc. will be included as appropriate. For common murre and Brandt's cormorants, the report will provide information from each sample plot.
- Annual Pinniped Report (includes April to March, due the following May 1 each year). This report will include northern elephant seals, northern fur seals, Steller sea lions, California sea

lions, harbor seals. The elephant seal section will include breeding activity and provide data on total breeding population size and breeding success. Numbers of breeding females, pups and weaners produced, and pup mortality will be reported for SEFI colonies, and as access/observation conditions allow, for West End colonies. Methods, interpretation of results, management information, and information on West End monitoring (e.g. dates and number of trips and number of animals disturbed) will also be included. Sections for all other species will include breeding activity, timing of breeding, graph of annual population cycle (average and variance), peak number of pups, and discussion of trends relative to historical data.

- Annual Ecosystem Report (due August 15 each year). This report will include but is not limited to landbirds (migrants and owls), white sharks (predation events), salamanders (population index), insects (including cricket population index), and summaries on other wildlife and plant monitoring.

All reports and other deliverables must be sent to the USFWS Project Officer.

**Project Plan and Budget Amendments:**

Recipients are permitted to re-budget within the approved direct cost budget to meet unanticipated requirements and may make limited program changes to the approved project. However, certain types of post-award changes in budgets and projects shall require the *prior written approval* of the USFWS Project Officer. State, local, or Indian tribal governments must refer to 43 CFR 12.70 for additional information on the types of changes that require prior written approval. Commercial organizations, institutions of higher education, hospitals and other non-profit organizations must refer to 43 CFR 12.925 for additional information on the types of changes that require prior written approval.

**Project Period Extensions:**

If additional time is needed to complete the approved project, you must send written notice to the USFWS Project Officer. This notice must be received by the USFWS Project Officer at least 10 calendar days before the authorized project period end date, and must include supporting reasons and revised end date. Extensions for time cannot be authorized for the purpose of spending an unused balance of funds that remains after the approved project activities have been completed.

**Project Contacts:**

**The USFWS Project Officer for this award is:**

Gerry McChesney  
Manager, Farallon National Wildlife Refuge  
1 Marshlands Road  
Fremont, CA 94555  
510-792-0222, ext. 222  
gerry\_mcchesney@fws.gov

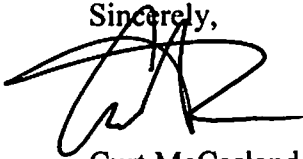
**The Recipient Project Officer for this award is:**

Ellie Cohen  
President and CEO  
3820 Cypress Drive, #11  
Petaluma, CA 94954  
707-781-2555, x 318  
ecohen@pointblue.org

Please contact Gerry McChesney with any questions. Please include the USFWS award number provided in the subject line of this letter in all written communications:

Gerry McChesney  
Manager, Farallon National Wildlife Refuge  
1 Marshlands Road  
Fremont, CA 94555  
510-792-0222, x 222  
gerry\_mcchesney@fws.gov

Sincerely,

A handwritten signature in black ink, appearing to be 'Curt McCasland', written over the word 'Sincerely,'.

Curt McCasland  
Refuge Supervisor

**Attachments:**

Scope of Work – Ecosystem Monitoring and Refuge Stewardship

Budget – Ecosystem Monitoring and Refuge Stewardship

Scope of Work and Budget – Cosco Busan Auklet box restoration on Southeast Farallon Island

# BUDGET INFORMATION - Non-Construction Programs

OMB Approval No.: 0348-0044

## SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non - Federal (d)	Federal (e)	Non - Federal (f)	Total (g)
1. Farallon Ecosystem		\$	\$	\$ 173,855.00	\$	\$ 173,855.00
2. matching funds					305,260.00	305,260.00
3.						0.00
4.						0.00
5. Totals		\$ 0.00	\$ 0.00	\$ 173,855.00	\$ 305,260.00	\$ 479,115.00

## SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
a. Personnel	\$	\$	\$ 124,050.00	\$ 88,770.00	\$ 212,820.00
b. Fringe Benefits			27,202.00	68,776.00	95,978.00
c. Travel			14,600.00		14,600.00
d. Equipment			2,500.00		2,500.00
e. Supplies				29,000.00	29,000.00
f. Contractual					0.00
g. Construction					0.00
h. Other					0.00
i. Total Direct Charge (sum of 6a-6h)	0.00	0.00	168,352.00	186,546.00	354,898.00
j. Indirect Charges			5,503.00	118,714.00	124,217.00
k. TOTALS (sum of 6i and 6j)	\$ 0.00	\$ 0.00	\$ 173,855.00	\$ 305,260.00	\$ 479,115.00

7. Program Income	\$	\$	\$	\$	\$
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**SECTION C - NON-FEDERAL RESOURCES**

(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS
8.	\$	\$	\$	\$ 0.00
9.				0.00
10.				0.00
11.				0.00
12. TOTAL (sum of lines 8 - 11)	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

**SECTION D - FORCASTED CASH NEEDS**

	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 0.00	\$	\$	\$	\$
14. NonFederal	0.00				
15. TOTAL (sum of lines 13 and 14)	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

**SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT**

(a) Grant Program	FUTURE FUNDING PERIODS (Years)			
	(b) First	(c) Second	(d) Third	(e) Fourth
16.	\$	\$	\$	\$
17.				
18.				
19.				
20. TOTAL (sum of lines 16 - 19)	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

**SECTION F - OTHER BUDGET INFORMATION**

21. Direct Charges:	22. Indirect Charges:
23. Remarks:	

ATTACHMENT 1  
SCOPE OF WORK  
COOPERATIVE AGREEMENT  
between the  
U.S. FISH AND WILDLIFE SERVICE  
and  
POINT REYES BIRD OBSERVATORY (DBA Point Blue Conservation Science)

FARALLON NATIONAL WILDLIFE REFUGE  
Ecosystem Monitoring and Refuge Stewardship  
Period of Performance: April 1, 2014 to September 30, 2019

## **I. PURPOSE/OBJECTIVE**

This agreement is being implemented in order to provide stewardship with Point Reyes Bird Observatory doing business as Point Blue Conservation Science (hereafter Point Blue) of the United States Fish and Wildlife Service (USFWS, hereafter Service), Farallon National Wildlife Refuge (hereafter Refuge). The objective is to protect, conserve and monitor the Farallon Islands ecosystem including but not limited to birds, mammals, salamanders, insects, other wildlife and plants. The project will benefit the Refuge and the public by maintaining facilities on the Farallon Islands and by collecting data to help guide management actions and to promote public awareness.

## **II. BACKGROUND**

The Farallon Islands support the largest seabird nesting colony in the United States south of Alaska and contain >30% of the breeding seabirds in California. Currently, 13 species of marine birds breed on the Refuge, including globally significant populations of several species, and hundreds of species of migratory birds. The islands also provide important breeding and resting habitat for five species of seals, fur seals and sea lions. In addition, the Refuge hosts the endemic Farallon arboreal salamander, endemic Farallon camel cricket, and a unique plant community. One of the world's largest concentrations of white sharks visit the surrounding waters of the Gulf of the Farallones National Marine Sanctuary to feed on the island's marine mammals, and globally important populations of blue, humpback and gray whales feed and migrate just offshore. In addition to providing information for Refuge management, the vigor and productivity of Farallon seabird populations is used as a barometer by scientists, organizations, and government agencies to help assess the health of the Pacific Ocean food webs and impacts of climate change. In addition to this scientific public purpose, conserving the islands' natural resources and sharing wildlife information serves a broader public purpose as well, since a large percentage of the American public considers themselves to be conservationists.

Point Blue has been studying wildlife populations and staffing a small research station on Southeast Farallon Island (SEFI) since 1968. The Farallon NWR was established in 1909, but

SEFI was not added to the Refuge until 1969. The islands, with the exception of Southeast Farallon Island, were designated as a Wilderness Area in 1974. Even after it was added to the Refuge, the Service recognized a public benefit to having Point Blue continue their presence on the island, and the arrangement became formalized in a Cooperative Agreement in the early 1970s. Maintaining a human presence on the island deters trespassers, minimizes wildlife disturbance, and helps maintain facilities in serviceable condition. Because of their stature as a widely respected research and conservation organization, Point Blue can educate a broader segment of the public about Farallon wildlife than the Refuge can on its own. Their connections with other non-profit organizations allow them to cultivate additional partnerships that benefit the mission of the Service, help fulfill the purposes for which the refuge was established, and help secure additional funding for priority initiatives.

The role of the Service in the partnership is focused mostly on restoring habitats, controlling or eradicating invasive species, maintaining infrastructure and facilities, managing/developing other partnerships, and conducting other administrative functions such as issuing Special Use Permits. Data collected by Point Blue is used by the Service to help guide management actions and promote public awareness.

Other public benefits resulting from Point Blue's activities and data collection on SEFI include the following:

- Point Blue's organizational mission is to advance conservation of birds, other wildlife and ecosystems through science, partnerships and outreach, which furthers purposes of the Migratory Bird Treaty Act, the Marine Mammal Protection Act and other regulatory mandates;
- Point Blue's Farallon Islands Program goal is to understand, protect and conserve the rich wildlife on the Farallon Islands in the face of accelerating impacts from changes in climate and other human stressors. Their research has contributed to the establishment of 3 National Marine Sanctuaries, a state law protecting California's white sharks, fishing regulations to protect seabirds, 2 state marine reserves and 1 state marine conservation area around the Farallon Islands;
- Point Blue scientists have published hundreds of scientific papers in journals and made scores of presentations at scientific symposia based on Farallon data;
- Point Blue Farallon biologists wrote the authoritative text on Farallon seabirds;
- Point Blue educational staff developed and published several brochures to raise awareness of the islands and to reduce human disturbance to seabirds;
- Point Blue, in collaboration with California Academy of Sciences (CAS) and the Service, is enhancing public outreach through the installation of a web camera;
- Point Blue, in collaboration with universities, engages graduate students in research targeted to specific Service management needs;
- Point Blue interviews with the local and national media have resulted in numerous articles and television news segments on Farallon natural history;
- Point Blue developed the California Current Seabird Conservation Plan, which makes recommendations to conserve seabirds on the Pacific Coast and serves as a catalyst to involve other entities and the public;
- Water quality information, including a radioactivity assessment from the Fukushima Nuclear Power Plant event, are collected from SEFI, sent to Scripps Institute of

Oceanography, and posted on their website as part of a regional monitoring system.

These data are available online at [http://shorestation.ucsd.edu/active/index\\_active.html](http://shorestation.ucsd.edu/active/index_active.html);

- Weather data is taken three times daily and sent to the National Weather Service and used in marine and coastal weather tracking and forecasting (see <http://www.weather.gov/oh/hads/>);
- Violations of the California Fish and Wildlife Code are documented and reported to state enforcement personnel;
- Current weather and sea conditions are communicated to fishermen and other boaters planning boat trips offshore, enhancing public boater safety;
- U.S. Coast Guard (USCG) maintains an automated lighthouse on Southeast Farallon Island. Point Blue reports malfunctions, troubleshoots, and repairs the navigational light when possible, contributing to general maritime safety. Vessels in distress are reported to the USCG Search and Rescue office;
- Observations of oiled wildlife are reported to Oil Spill Prevention and Response division of California Department of Fish and Wildlife. This has resulted in the apprehension of parties responsible for oil spills and successful recovery of costs associated with restoring damaged public resources;
- Point Blue shares Farallon data and information with National Marine Fisheries Service, Gulf of the Farallones and Cordell Bank National Marine Sanctuaries, universities and other institutions involved in collecting information, developing policies, and implementing actions to understand and conserve marine resources;
- Point Blue shares information from its Farallones research with the U.S. Integrated Ocean Observing System including the Pacific Coast Ocean Observing System and Central California Ocean Observing System.
- Point Blue has provided information for public processes aimed at the establishment of Marine Protected Areas and fishing regulations in California;
- Point Blue prepared a proposal resulting in the Farallon Islands being designated a Globally Important Bird Area by the American Bird Conservancy (national organization);
- Point Blue personnel communicate by marine radio with natural history boat tours around the Farallon Islands, greatly enhancing the public's understanding of the area's ecosystem;
- Point Blue internships provide educational benefits, training, and job experience for recent graduates of university biology programs. Former Point Blue interns have moved on to positions in universities, conservation agencies, non-profits and other institutions.

### **III. SPECIFIC OBLIGATIONS OF EACH PARTY:**

#### **Point Blue Conservation Science will:**

Furnish the necessary personnel, equipment and facilities and otherwise perform all things necessary for or incident to accomplish the following:

- A. Assist in managing and promoting public awareness of the Farallon National Wildlife Refuge in compliance with the National Wildlife Refuge System Improvement Act, the Wilderness Act, the Migratory Bird Treaty Act, the Marine Mammal Protection Act, the Endangered

Species Act and other related regulations.

- B. Assist in monitoring seabird and marine mammal population sizes and breeding production, and provide the Refuge Manager with the reports outlined in Section IV, below.
- C. Assist in monitoring other aspects of the Farallon ecosystem including but not limited to birds, mammals, salamanders, insects, other wildlife and plants and provide the Refuge Manager with a comprehensive report outlined in Section IV, below.
- D. Work cooperatively with the Service in providing routine sea going transportation ("Farallon Patrol") for the movement of Point Blue personnel and when feasible other authorized persons, necessary provisions and equipment.
- E. Assist with providing protective services for Refuge lands and wildlife to the maximum extent possible, with prompt notification to the Service of any wildlife disturbance or infringement of regulations.
- F. Assist the Service with development or review of reports, proposals, plans, environmental compliance documents, or other documents pertaining to the Refuge that are within the scope of Point Blue's expertise.
- G. Refer all requests and inquiries received by Point Blue concerning access to the Refuge to the Refuge Manager, who will consider them on a case-by-case basis. Farallon National Wildlife Refuge is closed to the public; visitors (other than Service and Point Blue personnel) must obtain a permit issued by the Refuge Manager. Visitors under the direct supervision of Point Blue (e.g., Farallon Patrol crew) do not require permits, however their visitation is restricted to daytime only.
- H. Support the operation and maintenance of the Refuge by operating, maintaining and improving the facilities. Inspections and preventative maintenance will be performed in accordance with procedures outlined in the Farallon Operations Handbook and Monthly Maintenance Checklist. Notify the Refuge immediately of any equipment malfunctions, and of any loss or damage to facilities or equipment made available under this Agreement.
- I. Keep quarters and assigned equipment clean, organized, and in good working condition. Abide by and implement Service Safety, Fire, and Spill Prevention Plans, which shall be jointly reviewed and updated by the Refuge Manager and Point Blue yearly.
- J. Point Blue employees and volunteers, sufficient to accomplish the items outlined in this agreement, will be allowed access to Southeast Farallon Island 365 days each year. No more than eight (8) non-Service personnel shall remain on Southeast Farallon Island overnight without approval from the Refuge Manager. These personnel must be involved in carrying out biological studies or other obligations outlined in this Agreement. In addition, up to six (6) other persons may visit the island during daylight hours only, provided that they are carrying out work outlined in the Agreement or are otherwise important to island operations. They must remain under the strict supervision of Point Blue and/or Service personnel, as

appropriate.

- K. Should it become necessary for all Point Blue staff to vacate the island at any time, prior notification of the Refuge Manager shall be made as soon as possible. If the island will be vacated overnight, the U.S. Coast Guard will also be notified.
- L. Furnish monthly phone line/internet communications services that interface with Service-provided communications hardware.
- M. Provide information and expert opinion to the Service for refuge management purposes as requested within a reasonable amount of time that would not incur additional costs.
- N. Participate in the Refuge Safety Committee, including periodic meetings and obtain all required safety trainings.
- O. Meet periodically with Service personnel to assess progress and to promote exchange of information to assure coordination of this cooperative effort.

**The Service will:**

- A. Take all responsibility for managing the Farallon National Wildlife Refuge, including issuing Special Use Permits, taking the lead for habitat restoration efforts, and making decisions with regards to resource allocations.
- B. Provide biologists and maintenance personnel, on an as available basis, necessary to maintain Service facilities and equipment, conduct habitat management activities, conduct biological activities, and other administrative duties.
- C. Meet periodically with Point Blue to provide technical assistance and review progress related to the cooperative effort.
- D. Provide basic equipment, including major kitchen appliances, washer, water supply and filter system, and materials and equipment necessary to maintain the Service facilities on Southeast Farallon Island.
- E. Provide an electrical system necessary for power to the Service facilities, water supply pump, workshop and boat hoist, including all parts, overhauls, oil, fuel, wires, circuit breakers required to maintain the electrical system. This will consist of a photo-voltaic (primary) with diesel generator (backup) for residence and workshop, and a separate diesel generator(s) to power boat hoist and water pump.
- G. Provide 2 boats with outboard motors (one each for North and East Landing) for use in accomplishing tasks specified in this Agreement, including logistic support for bringing personnel and materials to and from SEFI. Also provide crane and winch system at each landing to safely convey the boat, personnel and materials to and from the ocean and island.

- H. Provide radio and satellite communication system hardware to ensure adequate communications for health and safety of personnel on the island.

#### **IV. REPORTING REQUIREMENTS:**

Point Blue will provide the reports outlined below. Point Blue will also submit FWS Volunteer Services Agreements for all interns and volunteers. A completed Violation Report Form will be submitted for each boating, aircraft, and trespass violation.

- A. Monthly Report that includes updates on populations, breeding status for 13 nesting species of seabirds, 5 species of pinnipeds, other breeding birds, and any endangered/threatened species recorded on the South Farallon Islands. For pinnipeds, average and peak monthly adult and pup counts will be included. The monthly reports will also contain information on staffing, visitors, dates and numbers of visitors to the Wilderness Area, weather, bird, marine mammal, salamander or cricket activity of interest, habitat restoration activities, violations, sightseeing boat activity, maintenance, fuel and water usage, and other noteworthy wildlife or human occurrences on or around the Refuge. The April report will contain an estimate of water collection.
- B. Annual Seabird Report (due December 15 each year) that includes the following information for all seabird breeding species: 1) breeding population estimate (including maps of survey results and correction factor calculations); 2) breeding success (described as average number of chicks/breeding pair, combining first and second attempts; include sample size); 3) other components of breeding success (i.e., average clutch size, brood size, hatching success and fledgling success); 4) dates of last chicks fledged; 5) numbers of chicks and adults banded; and 6) interpretation of results and management recommendations. For species where estimates of population size or breeding size monitoring is problematic (i.e., ash and Leach's storm-petrels, double-crested cormorant, Cassin's and rhinoceros auklets, and tufted puffin), other information such as numbers banded, capture/recapture data, box occupancy rates, index plot data, number of active sites, etc. will be included as appropriate. For common murre and Brandt's cormorants, the report will provide information from each sample plot.
- C. Annual Pinniped Report (includes April to March, due the following May 1 each year). This report will include northern elephant seals, northern fur seals, Steller sea lions, California sea lions, harbor seals. The elephant seal section will include breeding activity and provide data on total breeding population size and breeding success. Numbers of breeding females, pups and weaners produced, and pup mortality will be reported for SEFI colonies, and as access/observation conditions allow, for West End colonies. Methods, interpretation of results, management information, and information on West End monitoring (e.g. dates and number of trips and number of animals disturbed) will also be included. Sections for all other species will include breeding activity, timing of breeding, graph of annual population cycle (average and variance), peak number of pups, and discussion of trends relative to historical data.

- D. Annual Ecosystem Report (due August 15 each year). This report will include but is not limited to landbirds (migrants and owls), white sharks (predation events), salamanders (population index), insects (including cricket population index), and summaries on other wildlife and plant monitoring.

***All reports shall be submitted to:***

Gerry McChesney, Manager  
Farallon National Wildlife Refuge  
1 Marshlands Road  
Fremont, CA 94555  
510-792-0222, x222  
gerry\_mcchesney@fws.gov



**ATTACHMENT 3****Scope of work and budget for Cosco Busan Auklet box restoration on Southeast Farallon Island**

To provide the background for the development of new, permanent seabird nesting habitat on the Farallon National Wildlife Refuge, Point Blue Conservation Science will lead in the design phase of development of auklet nesting boxes.

To develop temperature constraints for new nest box designs, Point Blue will write a report summarizing five years of data from temperature loggers in existing Cassin's Auklet nesting boxes. The report will compare mean and maximum temperatures between unshaded boxes, shaded boxes, and natural auklet sites, compared to local control sensors. Recommendations of temperature goals for newly designed sites will be made.

In addition, Point Blue will begin researching prototype designs for testing in the field with Cassin's Auklets. We will contact other researchers working in this field to inform the design of prototypes. We will research material and select choices most appropriate for the Farallon system, which meet research, habitat, and temperature regulation goals. After initial development of 2-3 different prototype boxes, we will construct and deploy ~10-20 nest boxes of each prototype design in fall 2014 for more wide scale testing – assessing temperatures and use and breeding success by auklets in summer 2015.

**Deliverables and Timelines**

Temperature logger Report and initial prototype background research– March 30, 2014

Development of prototypes – July 30, 2014

Installation of new prototypes for testing – October 30, 2014

**Budget**

Design Phase = Temperature Logger Report and Prototype planning, consultation with partners, research, and design

Trial Implementation = Prototypes development (materials, staff time for construction, and installation of test units) – from implementation budget



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Conservation Science for a healthy planet.

Design Phase				
Name		Time needed (months)	Monthly Salary	TOTAL (w/benefits)
BRADLEY, Russ	Farallon Program Manager	0.5	\$ 5,814	\$ 4,148
JAHNCKE, Jaime	California Current Director	0.05	\$ 7,776	\$ 555
WARZYBOK, Pete	Farallon Biologist	0.75	\$ 4,410	\$ 4,720
	Design Phase Subtotal			\$ 9,423
	Design Phase Indirect costs			\$ 3,157
	<b>DESIGN PHASE TOTAL</b>			<b>\$ 12,580</b>
Trial Implementation				
BRADLEY, Russ	Farallon Program Manager	0.1	\$ 5,814	\$ 830
WARZYBOK, Pete	Farallon Biologist	0.5	\$ 4,410	\$ 3,147
	Equipment costs			\$ 2,500
	Trial Implementation Subtotal			\$ 6,476
	Trial Implementation Indirect costs			\$ 2,170
	<b>TRIAL IMPLEMENTATION TOTAL</b>			<b>\$ 8,646</b>
	<b>GRAND TOTAL</b>			<b>\$ 21,225</b>