



# NFWF

**NATIONAL FISH and WILDLIFE FOUNDATION**

1133 Fifteenth Street, N.W. Suite 1100

Washington, D.C. 20005

P 202-857-0166 | F 202-857-0162 | nfwf.org

March 23, 2016

Gerry McChesney  
Manager, Farallon National Wildlife Refuge  
U.S. Fish and Wildlife Service  
San Francisco Bay National Wildlife Refuge Complex  
1 Marshlands Road  
Fremont, CA 94555

Dear Mr. McChesney:

We are pleased to inform you that the National Fish and Wildlife Foundation ("NFWF") has selected the U.S. Fish and Wildlife Service ("Recipient") to receive a donation in the amount of Thirty Four Thousand Eight Hundred Two Dollars and Fifty Eight Cents (\$34,802.58) ("Donation") for the purposes described herein. By accepting this Donation, Recipient agrees to apply the funding toward the Recipient's Preliminary Assessment of the Potential Hazards of the Anticoagulants Diphacinone and Brodifacoum to Salamanders Project.

**Purpose of this Donation.** The purpose of this Donation is to fund activities of the Recipient associated with the salamander study as described in the proposal titled "Preliminary Assessment of the Potential Hazards of the Anticoagulants Diphacinone and Brodifacoum to Salamanders" (the "Project"), a copy of which is attached hereto and incorporated by this reference.

**Term.** The term of the Project is expected to be March 1, 2016 to November 15, 2016.

**Reporting and Due Dates.** The Recipient shall submit a written disbursement request to NFWF for the full amount of the Donation at the start of the Project. Within thirty (30) days after receipt of the disbursement request, NFWF shall pay the full amount of the Donation to Recipient. Recipient shall submit to NFWF a written report summarizing the programmatic usage of the Donation upon Project completion, but in no event later than December 15, 2016.

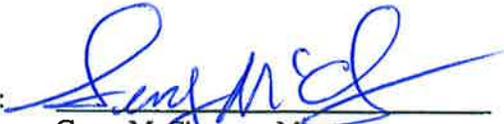
Please indicate your acceptance of the Donation and the terms of this letter by signing below and returning the letter to our attention as follows: Anne Butterfield, Manager, Impact-Directed Environmental Accounts, National Fish and Wildlife Foundation, 90 New Montgomery Street, Suite 1010, San Francisco, CA 94105.

Sincerely,

 ON BEHALF OF

Timothy J. DiCintio  
Senior Vice President, Impact-Directed Environmental Accounts, NFWF

**Acknowledge and Agreed:**  
U.S. Fish and Wildlife Service

By:   
Gerry McChesney, Manager  
Farallon National Wildlife Refuge

Date: 4/7/2016

## **National Fish and Wildlife Foundation Project Proposal**

**Project Name and Number:** A Preliminary Assessment of the Potential Hazards of the Anticoagulants Diphacinone and Brodifacoum to Salamanders.

**Recipient Organization/Agency:** U.S. Fish and Wildlife Service, San Francisco Bay National Wildlife Refuge Complex

**Signatory Name, Title and Contact Information (The person who will be signing the Letter of Donation on behalf of Organization/Agency):** Gerry McChesney, Manager, Farallon National Wildlife Refuge, gerry\_mcchesney@fws.gov, (510) 792-0222, x222

**Recipient Organization Web Address:** <http://www.fws.gov/refuge/farallon/>

**Date Submitted:** April 6, 2016

**Period of Performance:** May 1, 2016 – November 15, 2016

### **Summary of Proposed Project Activities:**

We propose a study, using live-captured or purchased salamanders to do a preliminary assessment of the potential hazards of two anticoagulants to those animals. Three routes of exposure would be examined: 1) allowing salamanders to feed on crushed anticoagulant pellets (direct internal exposure), 2) allow the salamanders to consume insects that have fed upon anticoagulant pellets (indirect internal exposure, and 3) spraying salamanders with water that has been used to soak anticoagulant pellets (direct external exposure). These studies would be conducted at the USDA National Wildlife Research Center in Fort Collins, Colorado, under an IACUC-approved study protocol.

### **Summary of Proposed Budget:**

The budget needed for the study would be about \$34,802.58 to fund staff, pay for travel to capture and transport salamanders; provide supplies, support animals care staff and needs, and the required indirect costs.

### **Project Manager:**

Name: Gerry McChesney

Title: Manager, Farallon National Wildlife Refuge

Organization: U.S. Fish and Wildlife Service, San Francisco Bay National Wildlife Refuge Complex

Street Address: 1 Marshlands Road

City, State, Zip: Fremont, CA 94555

Phone Number: 510-792-0222, x222

E-mail: gerry\_mcchesney@fws.gov

**Program Synopsis:** This is a multi-partner project led by the USFWS. Other partners and collaborators include DOI Restoration Support Unit, Point Blue Conservation Science, and USDA National Wildlife Research Center. This project will support the management goals of the Farallon National Wildlife of helping to restore the native ecosystem of the Farallon Islands.

**Overall Project Objective:** However, anticoagulant rodenticides may pose hazards to non-target animals. This can occur through the direct consumption of the rodenticide material or from indirect exposure in which case the non-target animal consumes prey (rodents or insects) or scavenges on dead rodents that have previously consumed the anticoagulant bait.

**Overall Project Outcomes:** Report by USDA on results of the trials, to be used as a decision support tool in the Final EIS for the Farallon house mouse eradication project .

**Overall Project Budget.**

Subcontract, Salamander live captures: \$5,000  
USDA Wildlife Services, lab trials: \$45,000  
Total Budget: \$50,000

NFWF Northern Coastal California Restoration Fund (this proposal): \$34,802.58

Matching Funds:

NFWS North Pacific Seabirds grant: \$15,197.42