

**WORK PLAN  
FISCAL YEAR 2016-17  
BETWEEN NWRC AND FARALLON NATIONAL WILDLIFE REFUGE**

**I. PURPOSE/OBJECTIVE**

USDA National Wildlife Research Center (NWRC) will conduct a hazard study with captive salamanders to help estimate the potential hazard of anticoagulant rodenticides to arboreal salamanders. This information is needed for the environmental assessment of the proposed eradication of invasive house mice from the Farallon National Wildlife Refuge in California.

**II. PLAN OF ACTION**

NWRC will conduct the hazard study in an animal research room at NWRC, Fort Collins, Colorado. The salamanders will be collected from the mainland of California by a USFWS contractor who will ship them to NWRC for the study. If wild-caught salamanders are not available, they will be purchased from a commercial pet supplier. The study will be funded by the Farallon National Wildlife Refuge through a **USFWS Interagency Agreement** with NWRC. The study will be conducted during 2016-17 under an approved NWRC study protocol.

**III. PRODUCT/DELIVERABLES**

A preliminary report on the salamander–anticoagulant hazard study will be submitted to the Farallon National Wildlife Refuge by December 15, 2016 as required by the funding source. A final report on the salamander–anticoagulant hazard study will be submitted to the Farallon National Wildlife Refuge by June 30, 2017.

**IV. REPORTING REQUIREMENTS**

- A. ACTIVITY REPORTS: NWRC will provide the cooperator preliminary and final reports at the middle and end of the study.
- B. FINANCIAL REPORTS: NWRC will bill cooperator quarterly.

**V. ADDITIONAL INFORMATION**

Designated NWRC ADODR:  
Dr. Gary Witmer  
Supervisory Research Wildlife Biologist  
USDA/APHIS/WS/National Wildlife Research Center  
4101 Laporte Avenue  
Fort Collins, CO 80521  
Ph: 970-266-6335  
gary.w.witmer@aphis.usda.gov

Designated Cooperator Contact:  
Mr. Gerry McChesney

Manager, Farallon NWR  
1 Marshlands Road  
Fremont CA 94555  
Ph: 510-792-0222, ext. 222  
Gerry\_mcchesney@fws.gov

Dates of applicable agreement: Upon final signature to 06/302017.

The research and report writing will occur between September 1, 2016 and June 30, 2017.