



DEPARTMENT OF THE ARMY
FORT WORTH DISTRICT, CORPS OF ENGINEERS
P. O. BOX 17300
FORT WORTH, TEXAS 76102-0300

8 August 2017

REQUEST FOR STATEMENTS OF INTEREST
NUMBER **W9126G-17-2-SOI-0029**
PROJECT TO BE INITIATED IN Summer of 2017
Under Master Agreement W9126G-13-2-0012

Project Title: San Clemente Island (SCI) – Effect of Coastal Low Cloudiness on SCI Loggerhead Shrike and Bell’s Sparrow Reproduction

Responses to this Request for Statements of Interest will be used to identify potential investigators for a project to be funded by U.S. Pacific Fleet which provides professional and technical support for its Natural Resources Program in order to facilitate successful implementation of the 16 USC 670c-1 Sikes Act. Approximately **\$52,827.00 for the basic objectives 1 through 5 and approximately \$32,800.00 for Objective 6 and is expected to be available to support this project.** Additional funding may be available for follow on work in subsequent fiscal years to the successful Recipient/Awardee.

Background:

San Clemente Island (SCI) is part of the Navy’s Southern California Range Complex, which serves as the principal Navy training venue in the eastern Pacific. SCI supports eleven species listed as endangered or threatened under the Endangered Species Act, including six federally listed plant species, and numerous endemic species whose distributions are limited to SCI or the Channel Islands. This project is needed to implement the requirements of Biological Opinion FWS- LA-09B0027-09F0040, San Clemente Island Military Operations and Fire Management Plan 2008 Naval Base Coronado.

Type of Award:

In accordance with the *Sikes Act* (Sec. 103A [16 USC 670c-1]) “the Secretary of a military department may enter into cooperative agreements with States, local governments, Indian Tribes, non-governmental organizations, and individuals, ...” This project is in support of the Integrated Natural Resources Management Plan, as directed in the *Sikes Act*, and as a result, it is anticipated that a cooperative agreement through the CESU program will be awarded. Such awards may be administered through a CESU only upon mutual agreement and official authorization by both parties of the acceptance of the application of the CESU Network IDC rate (17.5%).

Note: Must be a non-federal partner in the CESU Unit to be qualified to be considered.

Brief Description of Anticipated Work:

This research focuses on the following objectives:

- 1) Objective 1: Evaluate relationships between SCI loggerhead shrike demographics and coastal low cloudiness (CLC).
- 2) Objective 2: Evaluate relationships between Bell's sparrow demographics and CLC.
- 3) Objective 3: Evaluate the relationship between CLC, and station-observed temperature and humidity.
- 4) Objective 4: Quantify the role of CLC in cooling and moisture variability/deposition.
- 5) Objective 5: Explore dew and fog (ground-based cloud) formation and relationships with CLC variability from available station records
- 6) Objective 6: An optional objective pending funding is to refine daytime published satellite-derived low cloud analysis (Clemesha et al. 2016) from 4km resolution to 1km resolution for SCI.
- 7) Objective 7: An optional objective pending funding is to vet global circulation models (GMCs) using synoptic weather patterns to reproduce observed cloud fields to determine which would be most appropriate/realistic to use in future downscaling efforts.
- 8) Objective 8: An optional objective pending funding is to downscale/reproduce daily coastal low cloud fields from GCM-projected synoptic information (e.g. pressure, temperature, subsidence) for SCI over the 21st century.
- 9) Objective 9: An optional objective pending funding is to climate sequencing analysis to evaluate drivers of woody species seedling establishment and recruitment on SCI.

Period of Performance. The base year of agreement will extend from date of award through 30 September 2018. Four optional tasks may be awarded pending funds and would last up to 18 months from date of option award.

Materials Requested for Statement of Interest/Qualifications:

Please provide the following via e-mail attachment to: alisa.marshall@usace.army.mil
(Maximum length: 2 pages, single-spaced 12 pt. font).

1. Name, Organization and Contact Information
2. Brief Statement of Qualifications (including):
 - a. Biographical Sketch,
 - b. Relevant past projects and clients with brief descriptions of these projects,
 - c. Staff, faculty or students available to work on this project and their areas of expertise,
 - d. Any brief description of capabilities to successfully complete the project you may wish to add (e.g. equipment, laboratory facilities, greenhouse facilities, field facilities, etc.).

Note: A full study proposal and proposed budget are NOT requested at this time.

Review of Statements Received: All statements of interest received will be evaluated by a board comprised of one or more people at the receiving installation or activity, who will determine which statement(s) best meet the program objectives. Based on a review of the Statements of Interest received, an investigator or investigators will be invited to prepare a full study proposal. Statements will be evaluated based on the investigator's specific experience and capabilities in areas related to the study requirements.

Please send responses or direct questions to:

USACE

Mrs. Ali Marshall, Contract Specialist

Email: alisa.marshall@usace.army.mil

Office: (817) 886-1068

Timeline for Review of Statements of Interest: Review of Statements of Interest will begin **August 25, 2017**. This Request for Statements of Interest will remain open until an investigator team is selected.

[End of RSOI]