

REQUEST FOR STATEMENTS OF INTEREST
NUMBER W9126G-19-2-SOI-7399
PROJECT TO BE INITIATED IN 2019

Project Title: Threatened and Endangered Species Program Support: Aquatic Species of Concern.

All SOIs must be submitted via www.Grants.gov by 4:00 p.m. Central Standard Time (CST), on June 21, 2019.

Responses to this Request for Statements of Interest will be used to identify potential investigators for a project to be funded by [Redstone Arsenal](#) which provides professional and technical support for its [Natural Resource Program](#) in order to facilitate successful implementation of their commitments to manage resources in accordance with the Sikes Act. Approximately \$142,900 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, subject to availability of funds.](#)

Type of Award:

In accordance with section 6305 – *Using cooperative agreements of the Federal Grant and Cooperative Agreements Act of 1977* (31 U.S.C. § 6301 et seq.), all projects must carry out a public purpose of support or stimulation, instead of acquiring goods or services for the exclusive direct benefit of the United States Government.

In accordance with section 6305 – *Using cooperative agreements of the Federal Grant and Cooperative Agreements Act of 1977* (31 U.S.C. § 6301 et seq.), substantial involvement is expected between the federal partner and the nonfederal partner when carrying out the activities specified in the project agreement. The exact nature of the government's involvement will be defined in the statement of objectives, issued with a request for full proposal.

As a result, it is anticipated that a cooperative agreement will be awarded.

Brief Description of Anticipated Work:

This research focuses on the following objectives:

Objective 1: Water quality and biological monitoring in Bobcat and Matthews Caves.

Monitor known Alabama cave shrimp populations on a monthly basis in Bobcat Cave as well as monitor for potential presence in Matthews Cave. Collect monthly water quality data in both Bobcat and Matthews Caves to document urban contaminant runoff. Collect water samples from both caves in accordance with the Standard Operating Procedures and Quality Assurance Manual of the Alabama Department of Environmental Management. Perform chemical analyses, in accordance with the US Environmental Protection Agency, of water samples and evaluate parameters that include, but are not limited to, temperature, dissolved oxygen, pH, conductance, total dissolved solids, trace metals, and other element constituents (ex., chlorine, carbon, sulfates,

nitrates, phosphorus). In addition to monthly water quality data collection and analysis, perform continual water quality and water level monitoring at Bobcat Cave.

Objective 2: Jaya Springs Ecologically Sensitive Area Habitat Improvement Plan for Tuscumbia darter.

Develop a plan of protection for the population of Tuscumbia darters in the Jaya Springs Ecologically Sensitive Area (area of interest) on Hale Road, near the Redstone Army Airfield. Delineate the recharge area for this spring complex and identify potential areas of groundwater contamination and nitrification. Effort may include, but is not limited to:

Review and compilation of historic published and unpublished hydrogeological reports to determine data gaps.

Examination of historic groundwater well/core samples in the area of interest in order to establish an understanding of subsurface geological features.

Evaluate local surface topography in the area of interest for potential relationships between surface and groundwater.

Determine groundwater flow direction in the area of interest.

Evaluate water quality in the area of interest to determine sources of surface water entering groundwater systems and establish recharge boundaries.

Objective 3: Monitoring Tuscumbia darter population in Williams Spring.

Perform annual monitoring of the population of Tuscumbia darter in the Williams Spring Ecologically Sensitive Area. Sample fish populations in the stream channel which connects Williams Spring to Indian Creek, estimate the sample area, calculate the catch per unit effort, and determine fish density.

NOTE: At this time we are only requesting that you demonstrate available qualifications and skills for performing similar or same type of work. You will be evaluated for a request for full proposal based on skills and qualifications demonstrated in your SOI.

Period of Performance. The base year of agreement will extend one year from award. Four option periods extending for one year are anticipated and are subject to availability of funds.

Materials Requested for Statement of Interest/Qualifications:

Please provide a courtesy copy of the SOI, to the following via e-mail attachment to:

Alisa.Marshall@usace.army.mil and Kathy.s.Mitchell@usace.army.mil.

(Maximum length: 2 pages, single-spaced 12 pt. font).

1. SF 424

2. Brief Statement of Qualifications (Maximum length: 2 pages, single-spaced 12 pt. font) to include:

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, who will determine which statement(s) best meet the program objectives. Statements will be evaluated based on the investigator's specific experience and capabilities in areas related to the study requirements. The statement or statements selected shall be invited to submit full proposals. Those not selected to submit full proposals will be notified of the decision in writing.

If you have questions, please contact:

Alisa Marshall
Contract/Agreement Specialist
U.S. Army Corps of Engineers, Fort Worth District
Email: Alisa.Marshall@usace.army.mil

Kathy Mitchell
Agreements Project Manager
U.S. Army Corps of Engineers, Fort Worth District
Email: Kathy.s.Mitchell@usace.army.mil

Timeline for Review of Statements of Interest: Review of Statements of Interest will begin **June 21, 2019**.

[End of RSOI]