

NOTICE OF FUNDING OPPORTUNITY

Funding Agency: Naval Facilities Engineering Systems Command Southwest (NAVFAC SW)

Funding Instrument: Cooperative Agreement

Funding Opportunity Number: N62473-25-2-0005

Assistance Listing Number: 12.005

Program Authority: 16 U.S.C. 670c-1 Sikes Act

Issue Date: 02 July 2025 Application Due Date: 04 August 2025

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I. Funding Opportunity Description

Sustaining the Marine Corps Air Ground Combat Center's (MCAGCC) training environment is critical to the readiness of the United States Marine Corps (USMC) and depends heavily on the integrity and resilience of its desert soils, hydrological basins, weather, ecosystem processes, and organismal communities (MCAGCC 2024 Integrated Natural Resources Management Plan, INRMP). The ecology of these communities and their key species are integral to the durability of the natural and training environments, which rely heavily upon intelligent and informed management and conservation. This management and conservation rely heavily on accurately knowing the distribution, density, health, and ecosystem processes of these communities and key or keystone species.

Combining existing species studies with new, very precise LiDAR (Light Detection and Ranging) and orthophotography data for MCAGCC and neighboring properties, enables powerful modelling and management of species distributions and habitat suitability aboard MCAGCC. This project will advance the Marine Air Ground Task Force Training Command's (MAGTFTC) ability to conserve its natural and warfighter training environments, and enhance its resilience as an elite resource for the United States Marine Corps.

This study will quantify and prioritize MCAGCC's ecologically important and at-risk habitats, including high value areas for biodiversity, sensitive species, durability, and vulnerability to extreme weather. This purpose includes developing guidance for ongoing monitoring, projects that enhance ecosystem and landscape durability, and means to

prevent or abate deterioration of the ecosystem. These products will improve natural resource conservation, the endurance and tempo of MAGTFTC training, and MCAGCC infrastructure.

Estimated FY25 Total Funding: \$292,628.00

Estimated Number of Awards: (1)

Item	Anticipated Funding
FY25	\$292,628.00

Objectives for this Cooperative Agreement are:

1. Quantify and model scales of sensitive species and community niches, from landscape or ecosystem engineer species niches to microclimate and microtopographic niches that harbor and shelter rare species, to recover and enhance species, and improve ecosystem resilience to extreme weather exemplified by deserts (e.g., severe drought, extreme temperatures, violent storms, and seismic changes to landscape and hydrology), and to limit disturbance.
2. Quantify the connectivity of these niches, their likelihood of occupation, their immediate and long-term threats and risks, and their suitability factors that can be improved and sustained by the MAGTFTC.
3. Describe and catalog those niches, recommend monitoring methods, schedules and thresholds to quantify niche condition and occupancy, and their priorities to the value to current and future mission needs, conservation efficacy, and cost-efficiency.

Brief Description of the Anticipated Work:

Task 1: Geomorphological Analysis (Year 1)

The Cooperator shall use available topographic, geomorphic, imagery data, and ground-based studies to create, verify, and refine an inventory of sensitive species distributions (42 plant species, 43 animal species), habitat suitability and refugia throughout the base. Identify hydrological potential and community productivity. Map vegetation in priority locations using remotely sensed data. Once these refugia are confirmed, they will be prioritized for monitoring based on ecological value.

Task 2: Monitoring Protocol (Year 1)

The Cooperator shall develop a natural community monitoring plan including field reconnaissance to a prioritized monitoring schedule. The monitoring plan should outline appropriate community-level protocols to document and track species diversity and abundance (including keystones of various taxon), disturbance and invasive species, and hydrological conditions. The protocol will recommend tools and forms for data collection, and survey timing and frequency.

Task 3: Protocol Enactment, Testing, and Baseline Data Collection (2 Years, Years 2-3)

The Cooperator will perform baseline monitoring for 2 winters and springs, to cover the full terrain, using the prioritizing protocols from Task 1 and previous years of data collection.

Task 4: GIS Development, Rating Systems, and Reporting (Year 3)

Using digital cartography, map and attribute the results of the prioritization model, the monitoring, and the conditions found through the initial surveys. Write a report of findings and basic recommendations. Outcomes will inform ensuing on-the-ground management and adaptive management of monitoring. Major recommended changes to the protocol will be provided at the time of final reporting, with a revised monitoring protocol as a document that is separate from the final report. This will enable installation staff to review the final report, with the protocol providing the latest monitoring guidance.

5. Deliverables:

Recipient agrees to submit the following deliverables:

Meeting Notes	Submitted within ten (10) days after meeting. Cooperator has five (5) calendar days to submit final meeting minutes following Gov't comment.
Work Plan	Draft Workplan and APP are due within 30 days after the kickoff meeting to facilitate discussion. Final Workplan with APP due within 30 days after receiving Government comments.
Semi-Annual Progress Reports	Semi-annual by the 10 th day of every 6th month through the project. Must precede or accompany invoicing.
Draft Final Report	Draft Final Report due within 60 days of completion of work. Final Report due within 30 days after Gov't comment.
Final Report/Manuscript	Submitted 30 days after US Government has provided comments on the Draft.

Work Plan shall provide a detailed description of the methods to be employed as well as the timeline for the sample sequencing, analysis and report delivery.

Semi-Annual (6-month) Progress Reports shall include a summary of work completed to date, work expected during the next reporting period, and any issues encountered. The Interim Annual Report shall provide interim assessments of genetic assimilation of translocated tortoises into the recipient population.

Draft Report/Manuscript: The final report will be a comprehensive report compiling, summarizing, and describing the information gathered in all years of this Agreement, satisfying the objectives of section B. The data compendia will be submitted simultaneously with the report, but physically separate from, and not cited in, the report. The compendia will not be cited in the report.

The final report will be distributed to the Cooperative Agreement Technical Representative (CATR) and Base Technical Representatives (BTR) electronically as well as in hard copy. The Cooperator shall provide one complete set of hard and electronic copies of the final report for each Agreement (including all photographs, appendices, and data compendia [i.e., copies of all data sheets completed in support of the project, all databases and other supporting information]) to the NAVFAC SW regional NCR Records Management. The hard copy sent to NCR Records Management shall be unbound and 3-hole punched without a binder. Two additional hard copies along with an electronic version and any electronic data on CD-ROM or DVD-ROM will be sent to the BTR. Electronic distribution for the CATR's copy is sufficient.

Contact Information: Questions relating to Grants.gov including the registration process and system requirements should be directed to the Grants.gov Contact Center at 1-800-518-4726. For assistance with the requirements of this Funding Opportunity Announcement, please contact Grants Officer, Christen Gonzales, christen.m.gonzales.civ@us.navy.mil.

Instructions to Applicants:

The complete Funding Opportunity Announcement, application forms, and instructions are available for download at Grants.gov.

Applications in response to this Funding Opportunity Announcement shall be submitted by the application due date. Applications may be submitted electronically via email or through Grants.gov.

Applicants shall have a Unique Entity Identification (UEI) number, registration with the System of Award Management (SAM), and registration with Grants.gov, if submitting application through Grants.gov.

See Section IV of the Funding Opportunity Announcement for complete application submission information.

II. Award Information

This Funding Opportunity Announcement is for a completed, multi-year cooperative agreement. The period of performance is 36 months from the date of the award.

Item	Period of Performance
Base Period	36 months from date of award

Significant Dates and Times		
Event	Date	Time *
Full Applications Due	August 4, 2025	2:00 PM
Notification of Selection for Award	August 25, 2025**	4:00 PM
Start Date of Cooperative Agreement	August 31, 2025**	8:00 AM

**Dates subject to change

III. Eligibility Information

1. Eligible Applicants

Any Cooperative Ecosystem Studies Unit Californian cooperative partner who qualifies under the DoDGARS Part 34 or 2 CFR 200 is eligible to apply. Please see applicable terms and conditions, provided as a separate attachment.

2. Cost Sharing or Matching

Cost sharing [] is or [x] is not required.

IV. Application and Submission Information

1. Address to Request Application Package

Application packages can be obtained electronically at Grants.gov as detailed below or by contacting the individual listed in Section VII Agency Contact(s).

Application forms and instructions are available at Grants.gov. To access these materials, go to <http://www.grants.gov>, select "Apply for Grants", and then select "Download Grant Application Package". Enter the funding opportunity number ().

NOTE: You will not be able to download the Application Package unless you have installed Adobe Acrobat Reader. Adobe Reader is available for free to download from the Download Software page http://grants.gov/help/download_software.jsp.

2. Content and Form of Application Submission

Applicants shall submit applications electronically. The applicant shall complete the mandatory and applicable forms by accessing the forms as noted in IV, 1 "Address to Request Application Package".

Content and Form of Application

FORM: SF 424 (R&R)

Completion of SF-424 Fields First. The Adobe Reader forms are designed to fill in common required fields such as the applicant's name and address, UEI number, etc., on all Adobe Reader forms. **To trigger this feature, an applicant must complete the SF-424 information first.** Once it is completed the information will be transferred to the other forms. You must complete the mandatory forms and any applicable optional forms

(e.g., SF-LLL Disclosure of Lobbying Activities) in accordance with the instructions on the forms and the additional instructions below. Files that are attached to the forms must be in Adobe Portable Document Format (PDF) unless otherwise specified in this announcement.

FORM: RESEARCH & RELATED SENIOR/KEY PERSONNEL (EXPANDED)

Complete all the required fields in accordance with the pop-up instructions on the form.

Biographical Sketch: Attach resume(s) of key personnel. The Applicant shall provide typewritten resumes, not to exceed 3 pages, single spaced with 12pt font for the project manager(s) and field assistants proposed for this project. Resumes must state qualifications, experience with this type of project, professional registration and certificates. See Section V. Application Review Information for detailed information required per resume and minimum qualifications required.

FORM: RESEARCH AND RELATED BUDGET

Complete the Research and Related Budget form in accordance with the instructions on the form. You must provide a detailed cost breakdown of all costs, by cost category, by the funding periods described below, and by task/sub-task corresponding to the task number in the proposed Statement of Objectives. Options (if applicable) must be separately priced. The form will generate a cumulative budget for the total project period. You must complete all the mandatory information on the form before the NEXT PERIOD button is activated. You may request funds under any of the categories listed as long as the item and amount are necessary to perform the proposed work and meet all the criteria for allowability under the applicable Federal cost principles. The budget should adhere to the following guidelines:

The budget should be driven by program requirements. Elements of the budget should include:

Direct Labor - Individual labor category or person, with associated labor hours and unburdened direct labor rates.

Indirect Costs - Fringe benefits, overhead, G&A, COM, etc. (must show base amount and rate).

Travel - Number of trips, destination, duration, etc., all travel must be substantiated and explained.

Subcontract/subaward - A cost proposal as detailed as the applicant's cost proposal will be required to be submitted by the subcontractor. If applicable, include in Research & Related Subaward Budget Attachment Form.

Consultant - Provide consultant agreement or another document that verifies the proposed loaded daily/hourly rate. Include a description of the nature of and the need for any consultant's participation. Strong justification must be provided, and consultants are to be used only under exceptional circumstances where no equivalent expertise can be found at a participating university. Provide budget

justification.

Materials - Specifically itemized with costs or estimated costs. An explanation of any estimating factors, including their derivation and application, shall be provided. Include a brief description of the applicant's procurement method to be used (competition, engineering estimate, market survey, etc.).

Other Direct Costs - Particularly any proposed items of equipment or facilities. Equipment and facilities generally must be furnished by the contractor/Applicant (justifications must be provided when Government funding for such items is sought). Include a brief description of the applicant's procurement method to be used (competition, engineering estimate, market survey, etc.).

Budget Justification: Provide the required supporting information for the cost elements as shown above (see Research & Related Budget instructions) and listed as follows: indirect cost, travel, consultant, materials, and other direct costs. Provide any other information you wish to submit to justify your budget request.

FORM: SF-LLL DISCLOSURE OF LOBBYING ACTIVITIES

If applicable, complete SF- LLL. Applicability: If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the grant/cooperative agreement, you must complete and submit Standard Form - LLL, "Disclosure Form to Report Lobbying."

3. Submission Dates and Times

Timeline for Review:

We request that submissions be submitted by **August 4, 2025 2:00 PM PDT**. This opportunity will remain until an investigator team is selected. Submissions received after **August 4, 2025, 2:00 PM PDT** will be deemed "late" and may or may not be considered. Please submit requests for information/questions no later than **July 25, 2025 2:00 PM PDT**.

For applications submitted through Grants.gov and handling of late applications:

After an application is submitted through Grants.gov, the Authorized Organization Representative (AOR) will receive a series of three e-mails. It is extremely important that the AOR watches for and save each of the e-mails. You will know that your application has reached NAVFAC SW when the AOR receives e-mail Number 3. You will need the Submission Receipt Number (e-mail Number 1) to track a submission. The three e-mails are:

Number 1 – The applicant will receive a confirmation page upon completing the submission to Grants.gov. This confirmation page is a record of the time and date stamp for the submission.

Number 2 – The applicant will receive an e-mail indicating that the application has been validated by Grants.gov within a few hours of submission. (This means that all the required fields have been completed.)

Number 3 – The third notice is an acknowledgment of receipt in e-mail form from the designated agency within ten days from the application due date. For applications the e-mail is sent to the authorized representative for the institution. The e-mail for applications notes that the application has been received and provides the assigned tracking number. Hard copy submissions will receive only e-mail number 3.

Late Applications may be accepted.

4. Funding Restrictions

Reimbursement of pre-award cost will [] or will not [x] be allowed.

5. Other Submission Requirements

Applications may be submitted electronically through Grants.gov (see note 1 below) or direct email to Christen Gonzales, christen.m.gonzales.civ@us.navy.mil

NOTE 1 - Registration Requirements for Grants.gov: There are several one-time actions an organization must complete in order to submit an application through Grants.gov (e.g., obtain a Unique Entity ID (UEI) number, register with the credential provider, and register with Grants.gov). See http://grants.gov/applicants/get_registered.jsp to begin this process. Applicants who are not registered with Grants.gov, should allow at least 21 days to complete these requirements. It is suggested that the process be started as soon as possible.

Customer Support: Questions relating to the registration process, system requirements, how an application form works, or the submittal process must be directed to Grants.gov at 1-800-518-4726 or support@grants.gov. The Contact Center is open from 7:00 a.m. to 9:00 p.m. Eastern time, Monday through Friday, except federal holidays, to address Grants.gov technology issues. If you are experiencing difficulties with your submission, it is best to call the customer support desk and get a case number. The case number will assist NAVFAC SW with tracking your issue and provide background information on the issue.

VERY IMPORTANT – Download Adobe Acrobat Reader: Adobe Reader is available for free to download from the Download Software page http://grants.gov/help/download_software.jsp.

V. Application Review Information

All requirements listed are minimum requirements. The information provided must be recent (within the last seven (7) years) and relevant. Applicants will be assessed on their ability to adhere to the listed requirements, follow directions, comply with restrictions and provide quality control on their submittals. All page limits refer to 12-point font and single-spaced one-sided pages.

Factor 1 - Credentials of Key Personnel

For each person listed, the Recipient will provide a CV or resume up to five (5) pages in length. Material provided must clearly demonstrate the minimum experience levels described for each key personnel. Failure to clearly identify which projects or positions listed demonstrate each of the sub-bullets below and directly state time spent are likely to be found unacceptable.

- A. Senior Scientist/Principal Investigator: The Recipient shall designate one person as responsible for ensuring that provisions are in place for project and personnel supervision, quality control and meeting of reporting requirements are met on a daily basis. This position shall be responsible for liaison between Recipient and the Grants Officer or CATR and shall serve as the main point of contact for all required results and/or progress reports on the study.
 - i. At least five (5) years of professional research experience conducting and publishing similar work.
 - ii. A minimum of five (5) years of experience in a PI capacity.
- B. Lab Manager: The Lab Manager shall oversee scientific analysis and ecological modeling. They may be experienced in geomorphology, biology and ecology, or geology and geography.
 - i. A minimum of three (3) years in scientific professional work in the disciplines listed in B above.
 - ii. A graduate science degree with a thesis, dissertation, or capstone that demonstrates ability to communicate through written reports (Masters of Science, Doctorate, or similar).
- C. GIS Analyst: The GIS Analyst shall oversee geographical analysis using data available to them (high precision LiDAR and orthophotography, geographical species occurrence records, and other layers typically found in GeoFidelis base records).
 - i. A minimum of three (3) years in sophisticated natural resource GIS analysis or natural resource GIS lab management.
 - ii. A degree in geography, biology, geology, or similar disciplines.

The Recipient shall assign and delegate work to technicians as necessary to provide deliverables in an efficient and timely manner. These are not considered key personnel, but the number and hours should be described in the budget and the scientific approach.

Factor 2 – Scientific Approach

Not to exceed 3 pages, the Offeror shall develop an outline for their approach to addressing the anticipated work stated above. The Offeror shall be evaluated as to the soundness of the overall approach and use of any innovative techniques to accomplish project objectives.

Factor 3 - Reasonableness of Cost

After technical evaluation of the proposal, the offers will be analyzed for fair and reasonable pricing. The proposal will be analyzed to determine whether its pricing is

materially/mathematically balanced and is fair and reasonable. The Offeror shall use OMB Circular A-21 "Cost Principles for Institutions of Higher Education," 48 CFR part 31 "Contract Cost Principles and Procedures," or 2 CFR 200 Subpart F "Audit Requirements" as applicable. Evaluations will include an analysis to determine the Offeror's comprehension of the requirements of the solicitation as well as to assess the validity of the Offeror's approach. A clear cost breakdown of work elements to be accomplished detailing quantities for the various work items, unit, unit prices and extended prices will be required and will be evaluated. Evaluation will include an analysis to determine the Offeror's comprehension of the requirements of the proposed agreement as well as to assess the validity of the Offeror's approach. Please be sure to provide a proposal for the optional years as listed within the statement of work. Please submit the proposed budget form for each of the option years on separate research and related budget forms.

Please provide your proposed budget on the provided pdf titled, "Research and Related Budget" form*(Enclosure 5).

RELATIVE IMPORTANCE OF EVALUATION FACTORS – All factors are of equal importance.

2. Review and Selection Process

Every deviation from the statement of objectives requirement must be identified. The proposer must identify the paragraph in the statement of objectives that is applicable and provide sufficient information to justify why the deviation is in the best interest of the government.

All requirements listed are minimum requirements. Applicants will be assessed on their ability to adhere to the listed requirements, completeness of responses, follow directions, comply with restrictions and provide quality control on their submittals. All page limits refer to 12-point font and single-spaced one-sided pages.

VI. Award Administration Information

1. Award Notices

The notice of award addressed to the successful applicant and signed by the Grants Officer (or equivalent) will be forwarded via electronic transmission. Original copies of the Agreement will be enclosed for the successful applicant's signature and return for the Grants Officer's counter signature.

2. Administrative and National Policy Requirements

The Terms and Conditions are posted as a separate document.

3. Reporting

Reports/submittal information including frequency and means of submission are contained in the Statement of Objectives, posted as a separate document

VII. Agency Contact(s)

All questions relating to this announcement shall be referred to:

Christen Gonzales, Grants Officer
Naval Facilities Engineering Systems Command Southwest
Environmental Conservation and Compliance Acquisition
750 Pacific Highway
San Diego, CA 92132
Email: christen.m.gonzales.civ@us.navy.mil
Phone Office: 619-705-5529

Mohamed Hadi, Contract Specialist
Naval Facilities Engineering Systems Command Southwest
Environmental Conservation and Compliance Acquisition
750 Pacific Highway
San Diego, CA 92132
Email: mohamed.m.hadi.civ@us.navy.mil
Phone Office: 619-726-5210

VIII. Other Information

The cost of preparing applications and/or proposals in response to this announcement is not considered an allowable direct charge to any award made under this funding opportunity. The Government is not obligated to make any award as a result of this announcement. Only the Grants Officer can bind the Government to the expenditure of funds.