

**Statement of Work
Natural Resources Projects at
Vandenberg AFB and Edwards AFB, California
Cooperative Ecosystem Studies Unit**

GENERAL: In accordance with FAR 7.503(e), projects for execution under this CA by USACE do not include any functions to be performed that are inherently governmental. This determination is made with the assessment that places emphasis on the degree to which conditions and facts restrict the discretionary authority, decision-making responsibility, or accountability of Government officials using NFE services or work products.

In accordance with FAR 37.104, this CA shall not be used for performance of personal services. These tasks provided by the customer for execution under this CA by USACE do not include functions to be performed that are personal services.

Any modifications to Cooperative Agreement activities as outlined by this SOW/PWS must be channeled through the Grants Officer's Technical Representative (GOTR) and Grants Officer (GO) prior to Non-Federal Entity (NFE) implementation.

NFE personnel shall also wear a distinctive NFE furnished security (ID) badge/lanyard readily identifying the individual as a NFE employee. The badge shall be worn in a conspicuous place at all times when performing work under the Cooperative Agreement including attendance at Government meetings and conferences that take place outside of the Government facility.

NFE personnel shall identify themselves as an NFE employee when answering or placing calls on a Government telephone and when leaving outgoing or incoming messages on voice mail. Use of acronyms in this identification is insufficient to meet this requirement.

All NFE email signatures shall identify them as such and will include their employer's name.

OBJECTIVES: The objectives of the work to be performed under this delivery order are to conduct natural resource tasks on the federal lands belonging to Vandenberg AFB, and to prepare reports detailing the results of this work for submission to the USACE Omaha District POC, AFCEC Edwards Installation Support Team (IST) POC, and Vandenberg Natural Resource Manager.

Achieve successful collaborative and cooperative relationships with Vandenberg Air Force Base (VAFB) and Edwards Installation Support Team (IST) POCs in order to best achieve goals and objectives outlined for each project and those outlined in Vandenberg and Pillar Point Integrated Natural Resource Management Plans (INRMPs).

PERIOD OF PERFORMANCE: 18 months administrative 12 months technical

GOVERNMENT POCs:

1. USACE Omaha District POC: Mr. David Leptien PM, (402) 995-2742, david.b.leptien@usace.army.mil
2. USACE Omaha District POC: Ms. Kali Evans, GOTR, (402) 995-2295, kali.l.evans@usace.army.mil
3. USACE Omaha District POC: Ms. Stephanie Rostermundt, Grants Officer, (402) 995-2083, stephanie.a.rostermundt@usace.army.mil

This statement of work addresses the following tasks:

TASK	TITLE	LOCATION
TASK 1	Project Management	Vandenberg AFB
TASK 2	XUMUOS101317: MGT, SPECIES, MIGRATORY BIRDS	Vandenberg AFB
TASK 3	XUMUOS101717: MGT, SPECIES, SEABIRDS	Vandenberg AFB

1. TASK 1: PROJECT MANAGEMENT

OBJECTIVE

NFE shall attend a project kick-off meeting and monthly reoccurring meetings as appropriate for ensuring progress and coordination on project objectives. NFE shall prepare a single monthly project status report for all projects that describes accomplishments, next steps, and any problems encountered or imminent. Submit the report monthly on a date that approximately coincides with invoicing such that the report supports the invoice. Deliverables for all projects shall include draft and final annual activity reports that include cumulative information from past efforts to provide background and analyze success to date. All reports and project shall include GIS deliverables where appropriate, formatted using Vandenberg GIO standards.

2. TASK 2: XUMUOS101317 -- MGT, SPECIES, MIGRATORY BIRDS

OBJECTIVE

Conduct established riparian point count protocol on Vandenberg Air Force Base. Trail clearing will include physical labor (vegetation clearing with hand tools, chainsaw, and/or machete). Poison oak is common throughout the base thus personnel should be comfortable identifying the plant, wearing proper protective clothing, and following common procedures to reduce exposure. Perform riparian avian point count surveys.

Primary field technician shall have at least five years' experience conducting point count surveys and be able to accurately identify riparian bird calls, including distance and direction. Principal investigator must have the ability to synthesize collected field data into a cohesive report, including methods, results, statistical analysis, and management recommendations.

3. TASK 3: XUMUOS101716 -- MGT, SPECIES, SEABIRDS

OBJECTIVES

- 3.1. Monitor the population dynamics, breeding biology, and foraging ecology of seabirds along the coastal margins of VAFB during the critical period for seabird activity and breeding from 1 April through 31 July.
 - 3.1.1. Seabird species to be monitored include, but are not limited to: Pigeon Guillemots, Pelagic Cormorants, Brandt's Cormorants, Black Oystercatchers, and various gull species, including Western Gulls.
 - 3.1.2. Surveys of south base shall include Point Michelle/North Honda, South Honda, Point Pedernales, North Arguello Rocks, Point Arguello, and North and South Rocky Points (North Vantage Cove to the Boathouse Dock). Surveys of north base shall include Point Sal, Lion's Head, and Purisima Area (Purisima Point, Purisima Point South, Pockets Cove and Lompoc Landing).
- 3.2. Conduct day and night roosting surveys of brown pelicans during the winter. Use of data collection methods consistent with historical methods will be useful in order to make comparisons across years.
- 3.3. Identify new nesting sites for seabird species, especially the Western Gull, focusing on areas occupied by ESA-listed species.
- 3.4. Collect and analyze the diet of Western Gulls nesting at the Purisima Point Colony and at or near Western Snowy Plover nesting beaches.
- 3.5. Achieve successful collaborative and cooperative relationships with VAFB and Edwards IST POCs in order to best achieve goals and objectives outlined above and those outlined in VAFBs INRMP.
- 3.6. A project kick-off meeting and monthly reoccurring meeting are appropriate for ensuring progress and coordination on project objectives.

4. PREFERRED QUALIFICATIONS

Primary field technician should have at least two (2) years' experience conducting avian nest monitoring surveys, preferably with seabirds, and should have accurate bird identification, data recording, and visual mapping skills as some breeding sites contain large multi-species colonies.

5. DELIVERABLES

- 5.1. Meeting Notes
- 5.2. Draft and Final Annual Seabird Report. The report shall include a complete synopsis of the population dynamics and reproductive performance of all seabirds recorded on VAFB, a comparison of all data with previous years (2001 to present), and the causes of changes if known, with a focus on military activity impacts. The cooperater shall provide management recommendations at the end of the report. The cooperater shall provide updated master data files for all data to include GIS coordinates and a data dictionary.
- 5.3. Draft and Final GIS Files: should follow VAFB GIO standards, include metadata, update existing files, and properly document all project activities with relevant GIS information.