

*STATEMENT OF WORK  
FOR  
CONS - HABITAT RESTORATION, SNOWY PLOVER, Phase I  
XUMU 029303Z1  
AT  
VANDENBERG AFB, CA*

**Project Description**

The Vandenberg AFB Beach Management Plan and final Biological Opinion (18-05-F-5R) for Western Snowy Plover, a Federally-threatened species, require dune habitat restoration. The restoration area occurs from San Antonio Creek to the Santa Ynez River along the coastal dunes. This project would remove non-native ice plant and beach grass which have significantly reduced available nesting habitat. The project would also restore native vegetation to the treated areas especially associated with special status plant species such as Beach layia. Phase I includes actions of the project that need to occur prior to active restoration and active restoration during Project Year 1. Initial surveys for the first year are expected to be complete as well as the first stage of weed removal and dune planting. A report will be submitted summarizing the results of the weed removal and planting. Impact If Not Funded: Non-compliance with Biological Opinion 8-05-F-5R and potential violation of Endangered Species Act.

**Justification**

Endangered Species Act (ESA); 16 USC1531-1543  
Biological Opinion 18-05-F-5R

**Tasking**

**Plan of Action:** Qualified biologists will conduct an initial survey for special status plants prior to project initiation. From 1 Mar to 30 Sept, follow-up surveys for special status plants will be conducted and seeds collected where heavy equipment will be used. From Oct to Feb flagging of special status plants in areas selected for restoration/terrestrial wildlife surveys to note the presence of special status species would occur. Weed control treatment, dune restructuring, if necessary, disposal of sand and organic biomass, and revegetation as necessary. Also from Oct –Feb, re-infestation and native species monitoring, manual retreatment would occur and chemical retreatment as necessary in February would occur. Only DOD-approved herbicides will be used; primarily 2% Round-up Pro will be applied as specified on non-native plants only.

**Site Visit and Data Acquisition:** Qualified biologists familiar with dune restoration and the flora and fauna of the area will be performing the site visits to determine conditions and assess retreatments and required plantings for the following year and 5-year period. The contractors will meet with the base botanist and wildlife biologist to assess the site.

**Provide Expected Outcome:** Surveys, GIS maps, and a biannual and annual report will be produced based on the *Plan for the Removal of Selected Invasive Plants from Western Snowy Plover Habitat at Vandenberg Air Force Base* (Restoration Plan) and updated documents.

For pesticide management, monthly reports will be submitted to VAFB pesticide manager and CEVNN botanist 5 calendar days after the last herbicide application of the month. All pesticides applied are to comply with the Armed Forces Pest Management Board list of Approved pesticides. If another pesticide is preferred, AFSPC Form 38 is to be provided prior to application. All pesticides to be applied are to be provided to the VAFB pest program manager 15 calendar days prior to application. Improvement of snowy plover habitat and a reduction on invasive plants is expected in compliance with the Restoration Plan.

Expected deliverables include: Monthly reports as described above. A draft report (2 hard copies + 1 electronic CD copy) provided no later than 01 Feb; following receipt of comments from 30 CES/CEVNN a final report will be provided (3 hard copies + 2 electronic CD copies) with GIS digital maps (2 electronic CD copies).

**Deliverable format(s):** GIS data will be formatted with metadata attribute fields specified by the CEVNN botanist and CES Planning to provide consistency with all submitted GIS plant species coverage and to provide data that is accurate, usable, and effective for endangered species management and recovery analysis. Hard copies and electronic copies of the draft and final report are specified below.

#### Milestones

<b>ECD</b>	<b>Action (include deliverables)</b>	<b>OPR (Last name /Office symbol)</b>
<b>01 MAR 2008</b>	<b>Endangered plant surveys on VAFB Draft survey report Final survey report GIS digital map coverage</b>	<b>Lum/CEVNN</b>

#### Deliverables

<b>Deliverable</b>	<b># hard copies</b>	<b># e-copies (include format types)</b>	<b>Estimated pages/layers</b>	<b>Date Due or Days after award</b>
<b>Site Visit Personnel</b>				<b>30 days after award</b>
<b>Monthly Reports (as needed)</b>	<b>1</b>	<b>1</b>	<b>10 max pgs</b>	<b>5 calendar days after last day of herbicide application for the month</b>
<b>Quarterly Reports</b>	<b>1</b>	<b>1</b>	<b>30 max pgs</b>	
<b>Draft Document Title</b>	<b>2</b>	<b>1</b>	<b>30 max pgs</b>	<b>10-11 months after award</b>
<b>Government Review</b>				<i>30-60 days</i>
<b>Final Document Title</b>	<b>3</b>	<b>2</b>	<b>40 max pgs</b>	<b>30 after receipt of comments</b>
<b>GIS data</b>		<b>2 CD copies GIS coverage for each species</b>	<b>3 layers (1 per species)</b>	<b>With Final</b>

## Points of Contact

Name	Organization	Mailing address	Phone number	Fax number	E-mail address
Luanne Lum	CEVNN		805-606-5299		Luanne.lum@vandenberg.af.mil

## Special Conditions

**Government furnished information/materials.** CEVNN will provide any existing information and metadata format for GIS coverage.

**Qualified personnel to perform contract tasks.** The contractor shall ensure that only qualified, competent personnel carry out the tasks outlined in this SOW. Competent is defined as registered professional or, where registration is not applicable, trained and certified with a degree in a related field of study. Exceptions are administrative and support personnel who participate in document publication. Certified personnel performing herbicide application are:

REGINA BUTALA, SRS Technolgies, QL 39318,  
MORGAN BALL, SRS Technolgies, QC 27578,  
GREGORY WALLIS, SRS Technolgies, QL 37831

Any additional certified applicators will submit their certification information and coordinate with the VAFB Pest Manager.

**All deliverables is property of the USAF.** All materials gathered and/or developed in the performance of these tasks listed shall be returned to and become property of the AF; and shall not be used and/or distributed by the contractor without specific written permission of the Project Manager.

**Deliverable Formats.** All electronic documents are to be in Microsoft Office (or whatever format is compatible with installation IT system). All documents, including photographs and maps, are to be dated. Final electronic deliverables are to be in MS Word (\*.doc) and Adobe Acrobat (\*.pdf), unless otherwise specified.

### Data Standards.

**GeoSpatial Data. Coordinated with CEVNN and Base Planning.**

**Public disclosure.** The contractor (nor staff) shall give news releases or conduct media interviews concerning the work performed or results thereof. All information for public release will be released by the installation PAO; all requests for information, including freedom of information act, shall be directed to the PAO and installation project manager.

## Contract Type

- Firm Fixed Price
- Time and Material

**Period of Performance**

All tasks must be completed by \_\_\_\_\_ or no more than 12 months.