

STATEMENT OF WORK
TORCH OIL SPILL SNOWY PLOVER HABITAT RESTORATION
PHASE 5
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VANDENBERG AFB, CA
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Project Description

The Torch restoration area extends along the coastal dunes from the Santa Ynez River mouth southward approximately 0.62 mile to a point approximately 164 feet south of the public access trail at Surf Station (Area D). This project in Phase 5 would follow-up with herbicide treatment of non-native iceplant, beachgrass, and acacia which have significantly reduced available nesting habitat for the Western snowy plover. The goal of the restoration project is to achieve 95 percent eradication of beachgrass, iceplant, and other non-native plants over the project area, and successfully establish self-sustaining native vegetation over 15 percent of the same area. Established photo points will document and monitor progress.

Deliverables include monthly herbicide use reports and a final report summarizing the results of the invasive species removal, funds expended, and restoration tasks including GIS data. The following are activities to be completed for Phase 5:

PHASE 5 (2016-17)

- Herbicide treatment – October 2016 – December 2017
- Monitoring of re-infestation and native species – October 2016 – December 2017
- Reporting – as described below and in Appendix A

Tasking

Plan of Action: This project site would be accessed during periods of low tides through Wall Beach, when the sand bar at the Santa Ynez River is still in place, at the railroad tracks with railroad coordination, or at the Surf Beach station in coordination with the railroad. Equipment access from Wall Beach would occur by driving south below the high tide line from the Wall Beach parking lot, located approximately one mile north of the project site. The Wall Beach parking lot would also serve as an equipment staging area for this site. Access via Ocean Beach Park is no longer feasible with an ATV but may be accessed by foot. As a last option, coordination with Vandenberg staff and Southern Pacific Railroad may be necessary for access at Surf Station.

Herbicide treatment – Herbicide treatment will occur from October 2016 – December 2017. Application would use a backpack sprayer or ATV mounted spray equipment

avoiding native plants. Herbicides will only be used on large areas with less than 40% native plant cover. Only DOD-approved herbicides will be used and applied as specified targeted on non-native plants.

Small patches of European beachgrass infestations and beachgrass sprouts would be treated as necessary with Imazapyr. Application of Polaris at 1% Imazapyr will be used with Dyne-Amic which is a methylated seed oil surfactant. Imazapyr has been found to more effectively target European beach grass rhizomes so that no live material will be present. Iceplant, acacia stumps, and exotic invasives other than European beachgrass would be treated with Rodeo. Where applicable, the surfactant Agridex would be combined and a biodegradable marker dyed applied.

Monitoring of re-infestation and native species – Monitoring of re-infestation and native species will be conducted October 2016 – December 2017 and will involve a maximum of eight photo points in key locations. Mapping areas of non-native plant cover and native cover prior to treatment would be accomplished to include estimates of coverage. Each year's goal is to reduce cover of non-native plants to a maximum of 50 percent of the year's initial non-native cover such that 95 percent eradication may be accomplished by the end of Phase 5. Each year's goal for native plants is to achieve a minimum increase of five percent of the years initial cover such that successful establishment of self-sustaining native vegetation of over 15 percent may be accomplished by the end of Phase 5. Monitoring strategies and goals may be adapted to best accommodate conditions in order to attain the Phase 5 goals.

Herbicide/Pesticide use Requirement: For herbicide management, all herbicides applied are to comply with the Armed Forces Pest Management Board (AFPMB) list of Approved herbicides and a list of those herbicides requested to be used must be submitted to the entomology shop prior to application or at the beginning of the contract. If another herbicide is preferred, AFSPC Form 38 is to be provided prior to application. All herbicides to be applied are to be provided to the VAFB pest program manager 15 calendar days prior to application. Any non-standard herbicides need to have command approval prior to use and will require a longer approval period.

Only certified personnel shall apply herbicides as described under Special Conditions, Qualified personnel to perform contract tasks section below.

Monthly herbicide use reports will be submitted to VAFB herbicide manager at the Entomology shop and 30 CES/CEIEA five calendar days after the last herbicide application of the month. Request contract use DD Form 1532 or approved state reporting form. A Final Report will document the amount of sensitive species areas treated during Phase 5 as specified in coordination with CEIEA. Quarterly herbicide reports will not be required under this contract.

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 retreatment and required plantings. The contractors will meet with the 30 CES/CEIEA Project Manager 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. 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 15 November 2017; following receipt of comments from 30 CES/CEIEA a final report will be provided (2 hard copies + 1 electronic CD copy) with GIS digital maps (1 electronic CD copy).

Deliverable format(s): GIS data will be formatted with metadata attribute fields specified by 30 CES/CEIEA 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.

Deliverables

Deliverable	# hard copies	# e-copies	Estimated pages/layers	Date Due or Days after award
Kick-off Meeting				Within 30 days after award
Herbicide Monthly Reports (as needed)	1	1	10 max pgs	5 calendar days after last day of herbicide application for the month
Draft Report	2	1	30 max pgs	15 November 2017
Review				01 December 2017
Final Report	2	1	40 max pgs	15 December 2017
GIS data		2 CD copies GIS coverage for each species	3 layers (1 per species)	With Final

Points of Contact

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Special Conditions

Government furnished information/materials. 30 CES/CEIEA 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. Any additional certified applicators will submit their certification information and coordinate with the VAFB Pest Manager.

All deliverables are USAF property. 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. Certificate copies are to be provided to the Pest manager at the beginning of the contract and with every renewal.

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 CEANC and Base Planning.

Public disclosure. Neither 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 Public Affairs Office (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 Materials

Period of Performance

Period of Performance for Phase 5 will begin on 01 October 2016 and end no later than 31 December 2017.

APPENDIX A

At a minimum, include the following per location:

DATE,
LOCATION/Site
OPERATION TYPE,
TOTAL UNITS TREATED (ACRE),
TARGET PEST,
APPLICATOR'S INITIALS,
LABOR TIME hr,
TRADE NAME (PRODUCT),
EPA NUMBER,
CONCENTRATE & ACTIVE INGREDIENT AMOUNT (lbs),
TOTAL AMT OF APPLIED PRODUCT (gallons)