



desert conservation  
PROGRAM

Date: June 18, 2014

TO: DISTRIBUTION

RE: DESERT CONSERVATION PROGRAM PROJECT COMPLETION NOTIFICATION:  
**BOULDER CITY CONSERVATION EASEMENT COVARIATE SOILS MONITORING  
2009-LOGAN-811C**

The work for the above referenced project has been completed. Please see the attached for all project related information.

**The purpose of the above referenced project was:**

The purpose of this project is to obtain data on the soils within the Boulder City Conservation Easement (BCCE) as part of the Desert Tortoise Occupancy Covariate Monitoring Project. Desert tortoises must have suitable soils for constructing their burrows. The desert tortoise relies on their burrows for shelter, reduction of water loss, and regulation of body temperature. The data collected from this project will be used to produce a soil map for the Desert Tortoise Occupancy Covariate Monitoring Project. A final report, the plot maps used in the field, and soil pit description sheets were delivered for the project.

**The major accomplishment or findings of this project include:**

The major accomplishment for this project was a survey of the geomorphic surfaces present in 80 sample plots in the BCCE was conducted. A traverse sampling method was used to collect soil data on the different geomorphic surfaces along three transects in each plot. In addition, soil pits were described to the series level, where series were available, at each of the 15 predetermined locations near active tortoise burrows. Following data collection, plots were combined into groups with similar characteristics. It was determined whether or not these groups fit with the concept of their associated map unit from the original National Resources Conservation Service soil map. It is recommended that some delineations and map units be changed on the original soil map for Eldorado Valley to reflect the field data. Next, representative plots and pit locations were selected from each group to accurately represent the

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different types of soils in each group. There are a total of 18 locations recommended for full descriptions (future pits), some of which may also need full characterization (lab analysis) of the horizons. Some acid dissolution experiments are also recommended to determine cementing agents in exposed restrictive feature samples that were collected during this project.

For more information about this project and/or for other Project Reports or Symposium Reports, please visit our website at: <http://www.clarkcountynv.gov/Depts/dcp/Pages/default.aspx>

If you have any questions, please contact Larry Mata at (702) 455-3964.

Sincerely,



Marci D. Henson  
Program Manager

cc:

- US Fish and Wildlife Service
- Board of County Commissioners (7)
- Permittees' Executive Committee
- Permittees' Process Management Group
- Thomas Boldt, Purchasing
- Catherine Jorgenson, District Attorney – Civil Division
- Desert Conservation Program Community Advisory Committee
- Desert Conservation Program Interested Parties List
- Multiple Species Habitat Conservation Plan Implementing Agencies
- Science Advisor
- SNPLMA Office (for SNPLMA projects)
- Congressional Office
- DCP Staff

# DESERT CONSERVATION PROGRAM PROJECT COMPLETION NOTICE

**Date of Issuance: 6/18/2014**

## General Project Information

Project Category	Conservation
Compliance Category	9d-Research/Inventory/Monitoring
Project Level	Level 2
Project Title	BCCE-Covariate Soils Monitoring
Project Number	2009-LOGAN-811C
Contractor	Logan Simpson Design Inc
Contractor Person of Contact	Blake Krejci
Contractor Project Manager	Bruce Palmer
DCP Project Manager	Larry Mata
DCP Person of Contact/Contract Manager	Heather Green
Competitive Award or Sole Source	Competitive Award
Contract Start Date	09/05/2013
Purchase Order Number	4500220464-016
Contract End Date	05/31/2014

Commissioner & District	A	Steve Sisolak
Congressional Rep & District	D3	Joe Heck

## Financial Breakdown

Funding Source	S10 09-11
Original Contract Amount	\$25,000.00
Total Change Request Amount	0.00
Revised Contract Amount	\$25,000.00
<small>(Original Award plus Change Requests)</small>	
Funds Not Used in Contract	0.00
Final Payout Amount	\$25,000.00

## Performance Information

Total Number of Change Requests	0
Number of Change Requests by Contractor	0
Number of Change Requests by DCP	0
Total Number of Deliverables	3
Number of Deliverables Accepted	3
Number of Deliverables Rejected	0
Number of Delinquent Deliverables	0
Total Number of Milestones	1
Number of Delinquent Milestones	0
Number of Milestones Met on Time	1
Total Number of Invoices Submitted	1
Number of Rejected Invoices	0

Final Project Report

<http://bit.ly/1nmnY2m>