



desert conservation
PROGRAM

February 15, 2011

TO: DISTRIBUTION

RE: DESERT CONSERVATION PROGRAM PROJECT COMPLETION NOTIFICATION:
Technical Conditions (for NPS 535)
2005-NPS-609E

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:

To collect soil samples in sticky buckwheat (*Eriogonum viscidulum*), threecorner milkvetch (*Astragalus geyeri triquetrus*), Las Vegas bearpoppy (*Arctomecon californica*), and ringstem (*Anulocaulis leiosolenus leiosolenus*) habitats. Soil samples were analyzed for macro and micronutrients and other attributes to determine differences between soils populated by these rare plants and those that are not.

The major accomplishment or findings of this project include:

- Located and collected 30 soil samples in sandy rare plant habitat
- Located and collected 213 soil samples in gypsum rare plant habitat
- Surveyed all vegetation transects pertinent to these soil samples
- Delivered all soil samples to UNLV Soil Science Lab for analysis
- Conducted statistical analyses on soil sample results

This study found that the extreme concentrations of the soil components in habitat islands spectrum were sandy, high saline soils and alkaline, clay rich soils. Findings concluded that within those habitat islands Las Vegas bearpoppy occupied the less extreme plots within the extreme transects, whereas ringstem preferred more sandy, high saline soils. No conclusions could be drawn from the sandy soil analyses as too few samples were taken for statistical analysis.

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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/CurrentProjects.aspx>

If you have any questions, please contact Sara Zimnavoda, Project Manager at (702) 455-2946.

Sincerely,

A handwritten signature in blue ink that reads "Marci D. Henson". The signature is fluid and cursive.

Marci D. Henson
Program Manager

cc:

US Fish and Wildlife Service
Board of County Commissioners (7)
Permittees' Executive Committee
Permittees' Process Management Group
John Hill, 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
All Environmental Management Staff Distribution

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