



desert conservation
PROGRAM

November 30, 2010

TO: DISTRIBUTION

RE: DESERT CONSERVATION PROGRAM PROJECT COMPLETION NOTIFICATION:
**Effectiveness Monitoring for Saltcedar and Knapweed Control
2005-TNC-572**

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 conduct retrospective effectiveness monitoring for past and current weed control and restoration efforts, conduct experimental effectiveness monitoring for weed and restoration efforts, and map the distribution of Saltcedar, Russian knapweed, and tall whitetop using remote sensing on the Muddy River. The study area included the parcels along the Muddy River from The Nature Conservancy-Alamo property downstream through Bureau of Land Management Perkins and then from the Nevada Power property downstream until the Riverview property near I-10.

The major accomplishment or findings of this project include:

- Completed sampling on 40 retrospective plots previously treated by MRREIAC to determine soil salinity, overstory canopy, and plant cover.
- Completed pre- and post-treatment sampling of 15 experimental blocks. Blocks were sampled for soil salinity, overstory canopy, and plant cover.
- The subcontractor completed removal of ~2.9 acres of saltcedar and Russian knapweed on the 15 experimental blocks.
- Breeding bird surveys and fish surveys were completed along the parcels of the Muddy River which were included in the retrospective portion of the study. Each was conducted twice during the study. Sixty-nine different species of birds were observed during the breeding bird surveys, and 12 different species of fish were identified.
- Remote sensing analysis has been completed. Analyses detected 0.03 acres of tall whitetop, 7.6 acres of Russian knapweed, and 202 acres of tamarisk.
- Statistical analyses of the data were completed for the retrospective and experimental portions of the project.

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For more information about this project, please visit our website at:

<http://www.accessclarkcounty.com/depts/dagem/epd/dcp/Pages/dcpactiveprojects.aspx>

If you have any questions, please contact Liz Bickmore, Project Manager at (702) 455-2972.

Sincerely,

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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