



Date: January 10, 2014

TO: DISTRIBUTION

RE: DESERT CONSERVATION PROGRAM PROJECT COMPLETION NOTIFICATION:
LIDAR/AERIAL IMAGERY DATA ANALYSIS
2009-UTX-811K

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 was to analyze previously acquired LiDAR data and multiband aerial imagery to produce new GIS datasets for input into a desert tortoise habitat model.

The GIS datasets identified:

- 1) vegetative classes based on height and a Normalized Difference Vegetation Index (NDVI,);
- 2) ledges located along hillsides and drainage channels; and,
- 3) micro-terrain and soil characteristics correlated to vegetation types

The major accomplishment or findings of this project include:

Major Accomplishments:

A final report was delivered detailing the methods used to produce the GIS datasets for the project. The delivered GIS files, produced using LiDAR, multiband aerial imagery and field measurements, are: a vegetation raster of individual shrubs, raster of percent shrub coverage, a ledges shapefile, a soils shapefile, and a set of rasters depicting surface derivatives derived from 5m DEM of LiDAR data set using the Soil Inference Engine in ArcMap.

For more information about this project and/or for other Project Reports or Symposium Reports, please visit our website at: <http://www.clarkcountynv.gov/airquality/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