



desert conservation  
PROGRAM

March 31, 2011

TO: DISTRIBUTION

RE: DESERT CONSERVATION PROGRAM PROJECT COMPLETION NOTIFICATION:  
**Conceptual & Habitat Models of Six Covered  
and Three Evaluation Bird Species  
2005-NPS-609A**

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 provide habitat suitability models that predicts the occurrence of the targeted species across Clark County. This project is intended to identify critical components of suitable habitat of nine covered/evaluation bird species within Clark County – the southwestern willow flycatcher, blue grosbeak, phainopepla, summer tanager, vermilion flycatcher, Arizona Bell's vireo, Bendire's thrasher, Le Conte's thrasher, and gray vireo. The main efforts focus on developing predictive habitat suitability models and maps using environmental variables available in spatially explicit data layers. In addition, conceptual models have been developed depicting the relationship between each species, its habitat and stressors.

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

- Conceptual models, and spatially explicate habitat suitability models and maps were delivered for each of the nine bird species. The conceptual models used a 'traditional' approach to depict relationships between each species, its habitat, and potential stressors.
- The habitat suitability models (also known as species distribution models) and maps were generated using a maximum entropy approach in Maxent. Based on the conceptual models, available data layers were selected for modeling that best represented the important environmental features for each species.

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## desert conservation PROGRAM

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 Larry Mata, Project Manager 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
- 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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# DESERT CONSERVATION PROGRAM PROJECT COMPLETION NOTICE

**Date of Issuance:** 3/31/2011

## General Project Information

Project Category	Conservation
Compliance Category	9d-Research/Inventory/Monitoring
Project Level	Level 2
Project Title	Conceptual & Habitat Models - 6 Covered & 3 Eval Bird Species
Project Number	2005-NPS-609A
Contractor	NATIONAL PARK SERVICE (NPS)
Contractor Person of Contact	Kent Turner
Contractor Project Manager	Ross Haley
DCP Project Manager	Larry Mata
DCP Person of Contact/Contract Manager	Heather Green
Competitive Award or Sole Source	Sole Source
Contract Start Date	10/16/2007
Purchase Order Number	4800000309-005
Contract End Date	11/06/2010

Commissioner & District	A	Steve Sisolak
	B	Tom Collins
	C	Larry Brown
	D	Lawrence Weekly
	E	Chris Giunchigliani
	F	Susan Brager
	G	Mary Beth Scow

Congressional Rep & District	D1	Shelley Berkley
	D2	Dean Heller
	D3	Joe Heck

## Financial Breakdown

Funding Source	SNPLMA R6
Original Contract Amount	\$133,500.00
Total Change Request Amount	0.00
Revised Contract Amount	\$133,500.00
(Original Award plus Change Requests)	
Funds Not Used in Contract	0.00
Final Payout Amount	\$133,500.00

## Performance Information

Total Number of Change Requests	4
Number of Change Requests by Contractor	1
Number of Change Requests by DCP	3
Total Number of Deliverables	11
Number of Deliverables Accepted	11
Number of Deliverables Rejected	1
Number of Delinquent Deliverables	0
Total Number of Milestones	1
Number of Delinquent Milestones	1
Number of Milestones Met on Time	0
Total Number of Invoices Submitted	6
Number of Rejected Invoices	2