

Date of Issuance: June 2, 2022

DESERT CONSERVATION PROGRAM PROJECT COMPLETION SUMMARY:

SPECIES DISTRIBUTION MODELING, PHASE II

2013-UNR-1460E

The work for the above referenced project has been completed. Below is a summary of project related information.

The purpose of the above referenced project was:

The purpose was to create species distribution models [SDMs] for 17 species proposed for coverage under the amended MSHCP.

The major accomplishments or findings of this project include:

- Re-writing modeling code to produce more cohesive modeling results for individual variable influences, and model response curves among modeling algorithms
- Designation of a modeling area that encapsulates a geographic buffer of the county boundary, and creation and downscaling of environmental layers used for species modeling to a standard 250m grid within the area.
- Completed SDMs for the following species:
 - Desert tortoise (*Gopherus agassizii*)
 - Loggerhead shrike (*Lanius ludovicianus*)
 - LeConte's thrasher (*Toxostoma lecontei*)
 - Gilded flicker (*Colaptes chrysoides*)
 - Bendire's thrasher (*Toxostoma bendirei*)
 - Southwestern willow flycatcher (*Empidonax traillii extimus*)
 - Arizona Bell's vireo (*Vireo bellii arizonae*)
 - Yellow-billed cuckoo (*Coccyzus americanus*)
 - Desert pocket mouse (*Chaetodipus penicillatus*)
 - Ridgeway's rail (*Rallus obsoletus yumanensis*)
 - Parish phacelia (*Phacelia parishii*)
 - Pahump Valley buckwheat (*Eriogonum bifurcatum*)
 - Las Vegas buckwheat (*Eriogonum corymbosum* var. *nilesii*)
 - White-margined beardtongue (*Penstemon albomarginatus*)
 - Las Vegas bearpoppy (*Arctomecon californica*)
 - Sticky ringstem (*Anulocaulis leiosolenus*)
 - Sticky buckwheat (*Eriogonum viscidulum*)

For more information about this project and/or for other Project Reports or Symposium Reports, please visit our [website](#)

If you have any questions about this project please contact DCP Project Manager Kimberley Jenkins at (702) 455-5529.

DESERT CONSERVATION PROGRAM PROJECT COMPLETION NOTICE

Date of Issuance: 6/2/2022

General Project Information

Project Category	Conservation
Compliance Category	9d-Research/Inventory/Monitoring
Project Level	Level 4
Project Title	CLOSED Species Distribution Modeling, Phase II
Project Number	2013-UNR-1460E
Contractor	University of Nevada Reno (UNR) - BRRC
DCP Project Manager	Kimberley Jenkins
DCP Contract Manager	Heather Green
Contract Start Date	4/1/2019
Purchase Order Number	4800009220-012
Contract End Date	3/13/2020

Financial Breakdown

Funding Source	S10 13-15
Original Contract Amount	\$115,720.00
Funds not used in Contract	\$0
Final Payout Amount	\$115,720.00

Performance Information

Total Number of Change Requests	0
Total Number of Deliverables	11
Number of Deliverables Accepted	11
Number of Deliverables Rejected	1
Number of Delinquent Deliverables	11
Total Number of Milestones	4
Number of Delinquent Milestones	2
Number of Milestones Met on Time	2
Total Number of Invoices Submitted	9
Number of Rejected Invoices	0