

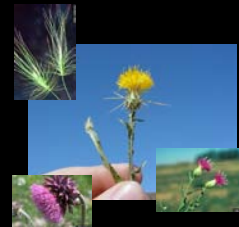
Nevada Natural Heritage Program



Department of
Conservation and
Natural Resources



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Mission Statement

Our mission is to help coordinate the resource needs of Nevada's diverse biological heritage with human activities.

We do this by serving as a clearinghouse, maintaining an inventory and current databases on the locations, biology, conservation, and management status of all threatened, endangered, sensitive, and at-risk species, in addition to, biological communities, in the state.

What is a Natural Heritage Program?

- ◆ Natural heritage programs comprise the network of NatureServe, a non-profit conservation organization whose mission is to provide scientific basis for effective conservation action.
- ◆ Operate in all 50 U.S. states, in 11 provinces and territories of Canada, and in many countries and territories of Latin America and the Caribbean.
- ◆ The leading source of information on the precise locations and conditions of at-risk species and threatened ecosystems.

- ◇ Allow information from different programs and agencies to be shared and combined regionally, nationally, and internationally, due to consistent standards for collecting and managing data.
- ◇ Maintains a sophisticated database (Biotics) that tracks the relative rarity of each species and the location/status of each known population.
- ◇ The information compiled by natural heritage programs is a powerful conservation tool for planners, landowners, natural area managers, and others.



Consistent Methodology Across the Entire NatureServe Network:

- ◆ Every location of an at-risk species is based on a definitive reference.
- ◆ National quality control standards.
- ◆ Regular data exchanges and review of data by national ecologists, zoologists, and botanists.
- ◆ National standards for delineating populations of specific taxa.

Mapping occurrences and evaluating conservation priorities for over 600 kinds of native animals, plants, their habitats, and vegetation communities.

Biotics Mapper
 File Edit View Theme NVTools-View BIOTICS Admin NVTools-Theme Mapper DRG-Tools Graphics Window Help

Scale 1:13,220 605,311.31 4,620,236.54

Input/Edit - Element Occurrences - Source Point

- 2002_ustfs_geo_utm.shp
- Buffer 1 of Csf_2005_fs_original.shp
- Clark_2005_fs_original.shp
- Csf_2004_fs_original.shp
- Clark200502_utm11_nad27.shp
- Clark County Parcels 2005-02
- EO.Source Points (Filtered)
- EO.Source Lines (Filtered)
- EO.Source Polygons (Filtered)
- EO.Reps (Polygons) (Filtered)
- Other.Named Places
- Tyc_gps_merge_utm_biotics.shp
- Tyc_line_utm_biotics.shp
- Surface Status.Major Owners
- Major Ownership Boundaries 1:200K
- Nevada_stewardship_utm27.shp
- Managed Area.Polygons
- Site.Polygons
- PLSS.Townships (1:100K)
- Townships 1:100K
- Transport.Major Roads (1:100K)
- Drainage.Perennial Streams (1:100K)
- Perennial Streams 1:100K
- Surface Status.BLM Districts
- BLM District Boundaries 1:100K in N

EO - Rana luteiventris pop. 3 (Element Occurrence Species)

File Edit Tools Help

Summary

Higher Taxonomy Code: VARANI Nation: US Subnation: NV Element ID: 18674

Subnational Scientific Name: Rana luteiventris pop. 3 Global Rank: G4T2T3Q

Subnational Common Name: Columbia spotted frog (Great Basin pop) Subnat'l Rank: S2S3

MA/Ownership Additional Topics Documentation Version/QC Other Spatial Attr. Optional Data

Identifiers Site/Directions Locators Rep. Detail Rep. Extent Sources **Survey Information** EO Rank Description Protection

Survey Type: Survey Type Note Surveyors

Survey Date: 1994-06-24 Last Observation Date: 1994-06-24 First Observation Date: 1992

EO Data: 1994: 1 adult male, 1 adult female, 1 unknown sex, 43 tadpoles, no eggs. Survey 2-5pm, cloudy, breezy, 75F.

Contact ID	Individual Name	Institution Name	Note
296	PORTS, MARK	GREAT BASIN COLLEGE	Surveyed in 1994 and 1992.
298	PANIK, RON	WESTERN NEVADA COMMUNITY C	Surveyed in 1994.

Monitoring Needs Comments

Research Needs Comments

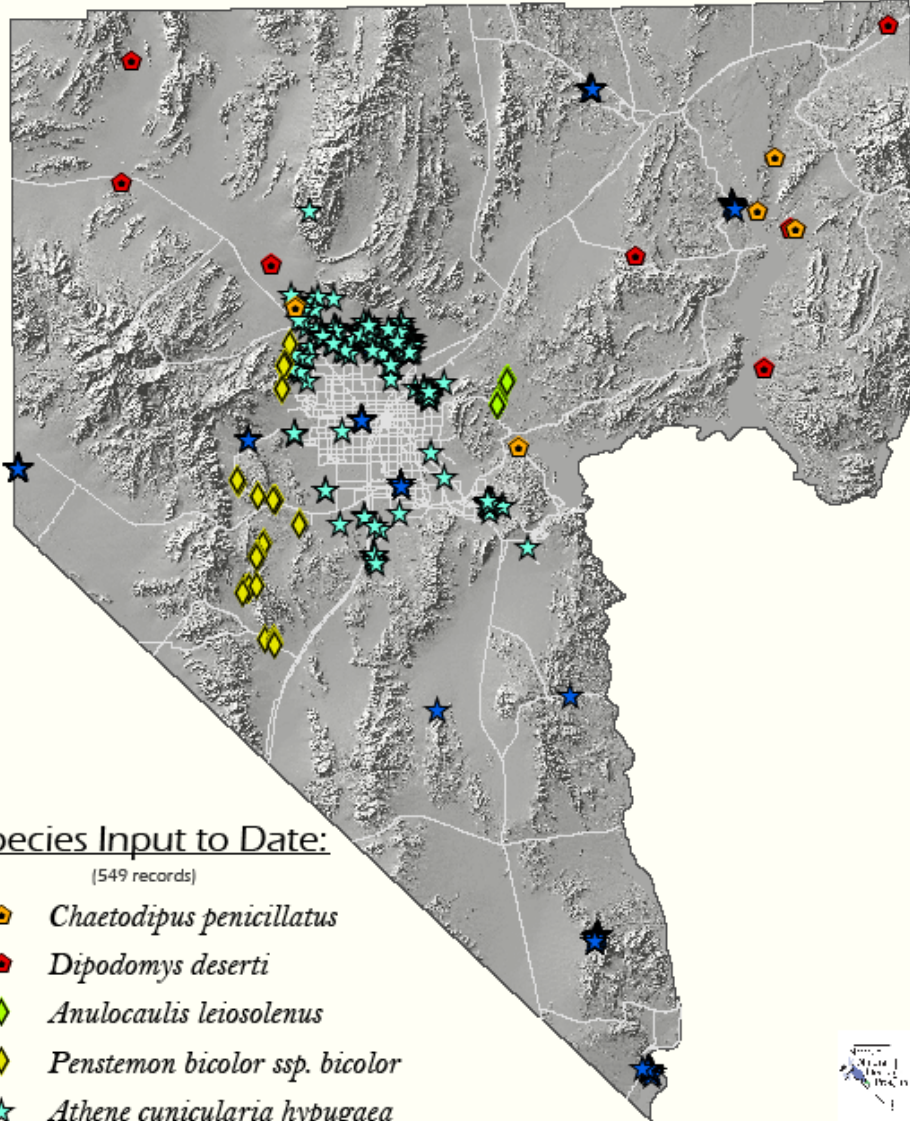
Element Occurrence ID: 1768
 Shape ID: 3082
 Universal Key: NV-1768

20 of 130

MSHCP Species







- ◇ Desert pocket mouse
- ◇ Desert kangaroo rat
- ◇ Sticky ringstem
- ◇ Yellow two-tone beardtongue
- ◇ Phainopepla
- ◇ Western burrowing owl
- ◇ Banded Gila monster
- ◇ Sticky buckwheat
- ◇ Threecorner milkvetch

Clark County MSHCP Species



Species Input to Date:

(549 records)

-  *Chaetodipus penicillatus*
-  *Dipodomys deserti*
-  *Anulocaulis leiosolenus*
-  *Penstemon bicolor ssp. bicolor*
-  *Athene cunicularia hypugaea*
-  *Phainopepla nitens*



Nevada Rankings

April 2002

- 3rd among all states in having the highest percentage of species at risk

Hawaii has 62.7% of all species at risk

California has 28.5% of all species at risk

Nevada has 15.8% of all species at risk

Nevada Rankings

April 2002

- 11th among all states in total species diversity
3,872 total species of plants, vertebrates,
and selected invertebrates
- 6th among all states in number of unique species
173 endemic species
- 10th among all states in vascular plant diversity
2,875 species of plants
- 9th among all states in mammal diversity
123 species of mammals

Nevada Rankings

April 2002

- 4th among all states in having the greatest percentage of plant species at risk
15.7% of all Nevada plants are at risk
- 4th among all states in having the greatest percentage of fishes at risk
56.3% of all Nevada fishes are at risk
- 3rd among all states in having the greatest percentage of amphibians at risk
38.5% of all Nevada amphibians are at risk

9666 Mapped Observed Locations of Rare and At-risk Plants and Animals in Nevada

- At-risk Animals
- At-risk Plants

0 10 20 40 60 80
Miles

1:3,673,294



Map compiled by the Nevada Natural Heritage Program, March 2010

Goals

- ◇ Continue our comprehensive mapping of MSHCP species for Clark County.
- ◇ Continue collecting data. (so, psst, psst, any of you out there with data for Clark County MSHCP species...hand it over... please... pretty please).
- ◇ Continue moving forward with Clark County.



Nevada Landscapes

Department of Conservation and Natural Resources

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