

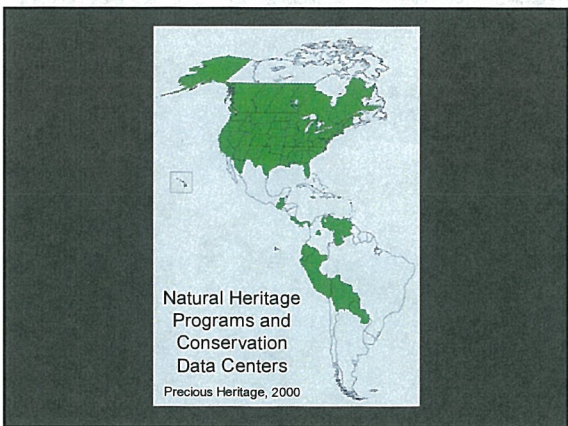
Nevada Natural Heritage Program

Department of Conservation and Natural Resources

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 Data Manager: Eric Miskow
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 Biologist: Ali Chaney
 Wetland Planner: Ed Skudlarek
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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 and maintaining current databases and inventories on the locations, biology, conservation, and management status of all threatened, endangered, rare, and at-risk species, in addition to, biological communities, and now, noxious weed infestations, in the state.



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

- 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

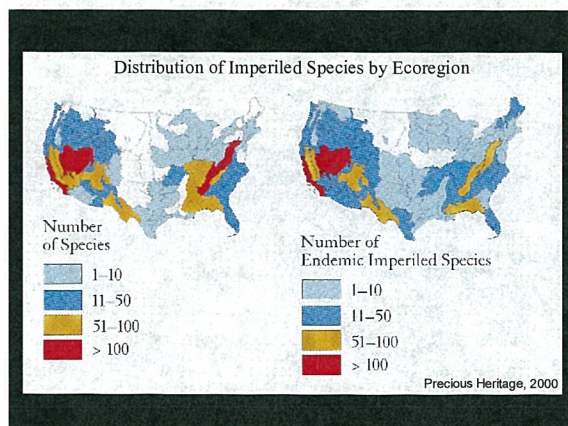


EXHIBIT N-1 - LANDS
Document consists of 26 slides.
Entire Exhibit Provided
Meeting Date: 07-14-08

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

Heritage Species' Ranks

1. Critically Imperiled
2. Imperiled
3. Rare or uncommon
4. Secure with long term concern
5. Secure; widespread & abundant

G4 S1



Bald Eagle
Haliaeetus leucocephalus

Globally
Secure with long term
concern

State
Critically Imperiled

G1 S1



Crenichthys baileyi thermophilus
Moorman White River springfish

Photo by: Pete Rissler, USGS

Factors Used to Rank Species



- The number and condition of populations and individuals
- The area or range occupied by the species
- Population trends
- Known threats





Using Natural Heritage Ranks to Set Priorities for At-risk or Rare Species

S1 T1 G1			At-Risk or Rare Species
S2 T2 G2			
S3 T3 G3			May be At-risk or Rare
S4	T4	G4	Not At-risk or Rare
S5	T5	G5	

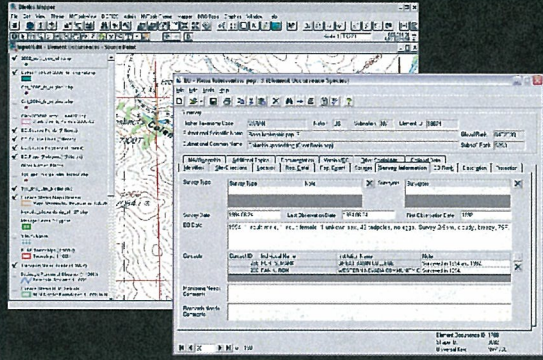
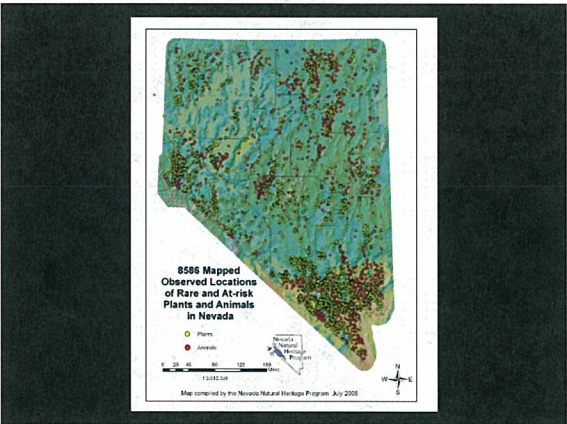
NNHP is currently tracking **592 Species**:

- 289 Plants
- 119 Vertebrates
- 170 Invertebrates
- 14 Mosses and Lichens

An additional 179 species are on the NNHP Watch List

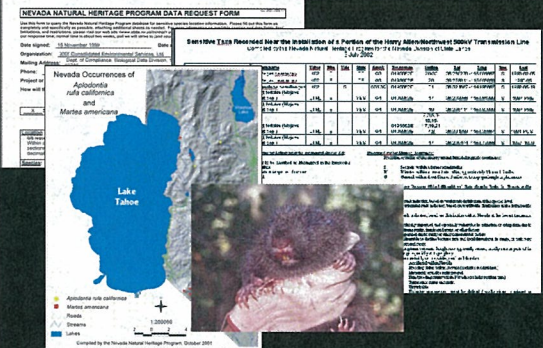
Mapping occurrences and evaluating conservation priorities for almost 600 kinds of native animals, plants, their habitats, and vegetation communities.

Responding to State, Local, Federal, Private and Commercial Data Requests

NEVADA NATURAL HERITAGE PROGRAM DATA REQUEST FORM

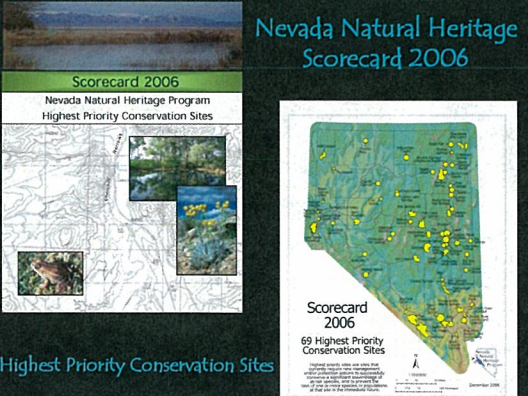
EMERYVILLE TRAIL RESEARCH on the BRASSHORN of a Portion of the HAPPY AND BROTHERS' TRAIL NATIONAL MONUMENT



Species	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Aplopentia rufa californica	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Martica americana	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Nevada Natural Heritage Scorecard 2006

Scorecard 2006
Nevada Natural Heritage Program
Highest Priority Conservation Sites



Highest Priority Conservation Sites

Scorecard 2006
69 Highest Priority Conservation Sites



Importance of Springs

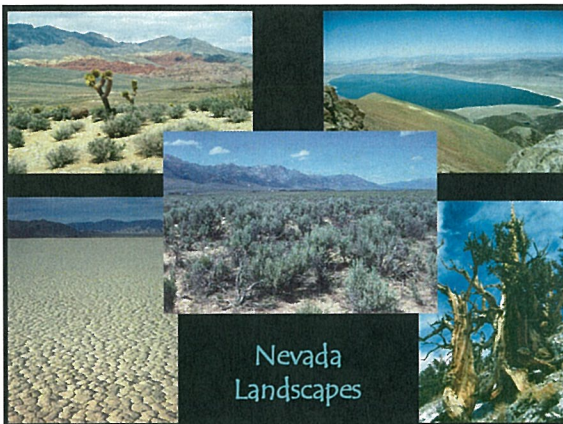
- ◆ NNHP Scorecard 53 of 69 Sites associated with springs
- ◆ Threatened by water diversions, invasive species, climate change, and other factors.
- ◆ 157 Tracked aquatic species – 116 Endemic to Nevada



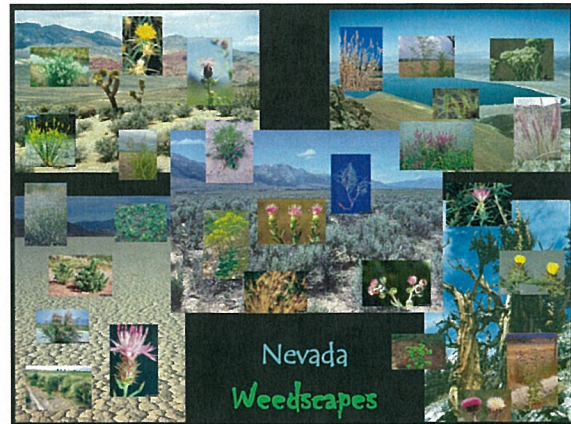
Springshale at Mesquite National Wildlife Refuge

Ash Meadows Amargosa pupfish
Cyprinodon nevadensis mearnsi

Mapping and Planning for Isolated Springs in Nevada



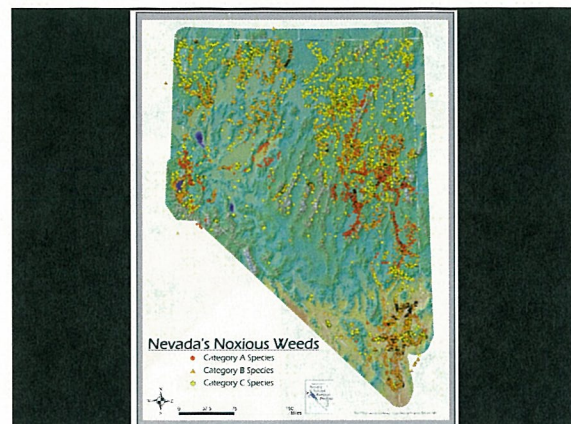
Nevada
Landscapes

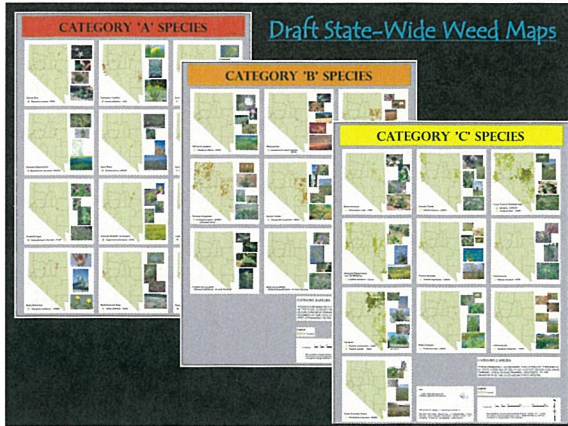


Nevada
Weedscapes

NV Natural Heritage Weed Program Goals:

- ◆ Create a centralized, long-term weed database from data provided by statewide agencies, organizations and individuals.
- ◆ Create statewide weed maps from acquired data.
- ◆ Provide a centralized location for anyone wishing to obtain state weed data.
- ◆ Provide a tool for agencies trying to legitimize funding for weed mapping and treatment programs.





Nevada Natural Heritage Program

Department of Conservation and Natural Resources

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