

The Nevada Department of Wildlife



David Catalano
Western Region
Diversity Supervising Biologist



The Wildlife Action Plan

Nevada Department of Wildlife

Tony Wasley

Director

Alan Jenne

Habitat Administrator

Jennifer Newmark

Wildlife Diversity Administrator

Jon Sjoberg

Fisheries Administrator

Cris Tomlinson

Diversity Staff Biologist

David Catalano

Western Region
Supervisory Biologist



Joe Barnes

Southern Region
Supervisory Biologist

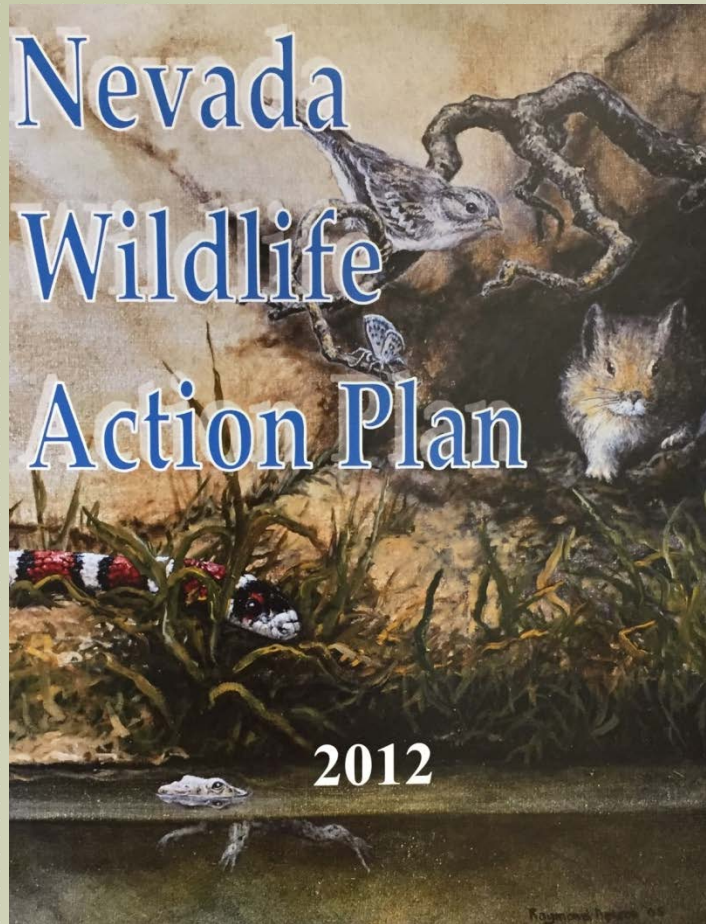
Vacant

Eastern Region
Supervisory Biologist





Nevada Wildlife Action Plan



A state blueprint for keeping common species common and preventing rare species declines





Nevada Wildlife Action Plan

- Nevada's first plan was approved in 2005
- Revised and approved in 2012
- One of the first states to include emerging stressors such as climate change, invasive species and disease





Nevada Wildlife Action Plan

Species of Greatest Conservation Need

- Federal and State Endangered, Threatened, and Sensitive Species
- Declining trends
- Restricted ranges
- Serious habitat concerns
- High level of global conservation responsibility in Nevada
- Management priority for the state





Nevada Wildlife Action Plan

256 Species of Greatest Conservation Need

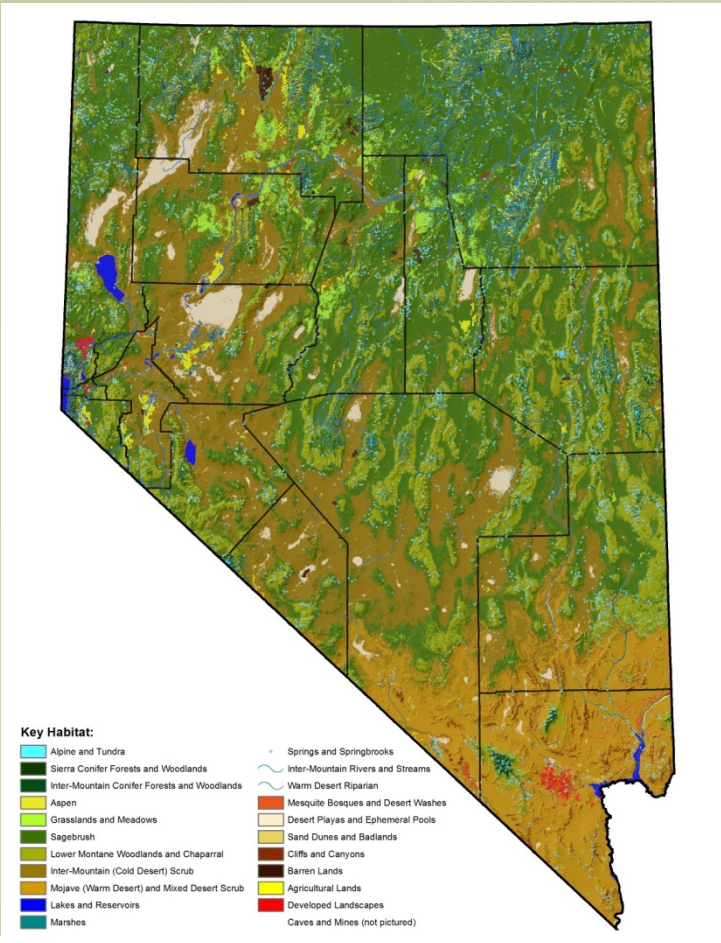
- 1 Mollusk
- 69 Gastropods
- 51 Fishes
- 9 Amphibians
- 26 Reptiles
- 60 Birds
- 40 Mammals





Nevada Wildlife Action Plan

22 Key Habitat Types.....



...tied to species of greatest conservation need





Nevada Wildlife Action Plan

Nevada is uniquely challenged by

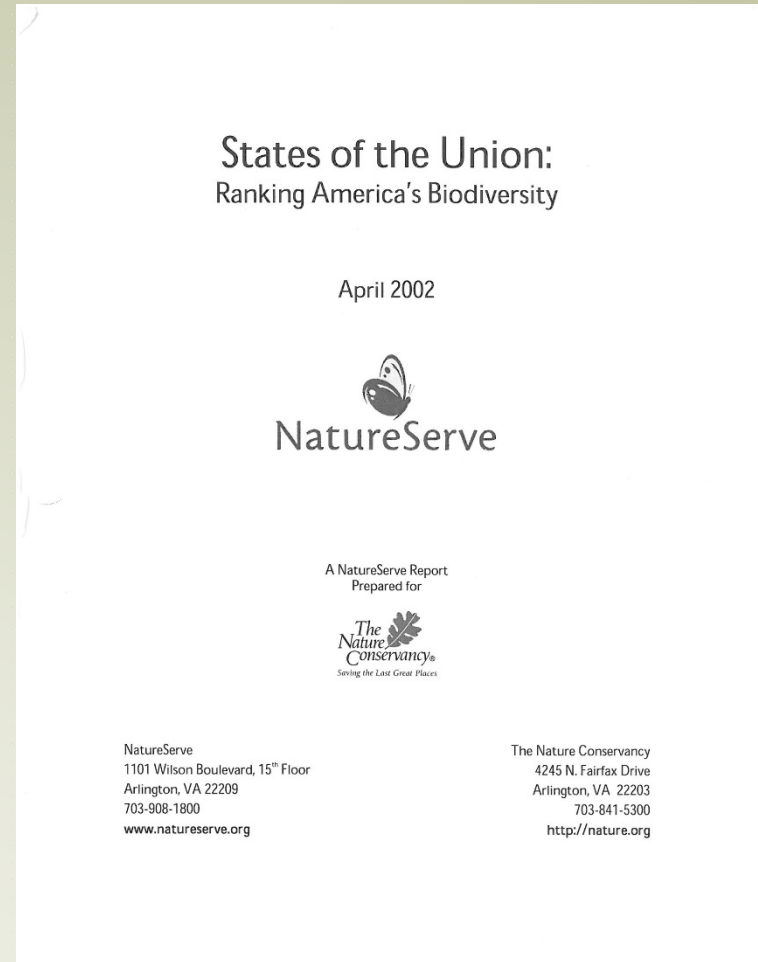
- Arid climate
 - Driest state in the nation
- Mountainous geography
 - Most named mountain ranges in the lower 48
- Limited water sources
 - Many isolated springs
 - Internal drainage
- Unique species easily subjected to threats and stressors
 - Large number of endemics due to unique geological past





Nevada Rankings

- 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

- 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 Wildlife Action Plan

Partners in Plan Development



Climate change predictions for Nevada's breeding birds



Climate change vulnerability analyses; species accounts



Predictive modeling of climate change effects on vegetative communities



Plan editing, design; project management



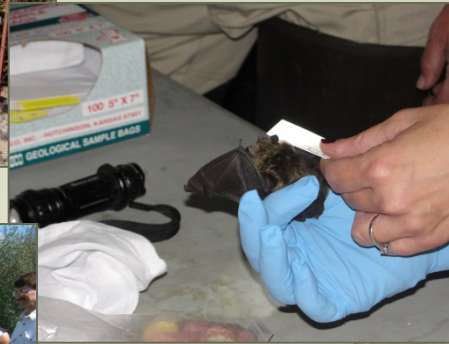
Public Stakeholder Participation





Nevada Wildlife Action Plan

Implementing the Plan





Wildlife Action Plan Projects

Mountain Beaver and the Marlette Pipeline



- The most primitive living rodent
- Relatively unchanged for 13-16 million years
- Single member of the family Aplodontidae in the world





Wildlife Action Plan Projects

Mountain Beaver and the Marlette Pipeline



Species of Greatest Conservation Need:

- Highly vulnerable to climate change
- Limited, patchy distribution
- Uncertain connectivity
- Sensitive to disturbance





Wildlife Action Plan Projects

Mountain Beaver and the Marlette Pipeline

Fossorial species, relying on complex burrow systems.





Wildlife Action Plan Projects

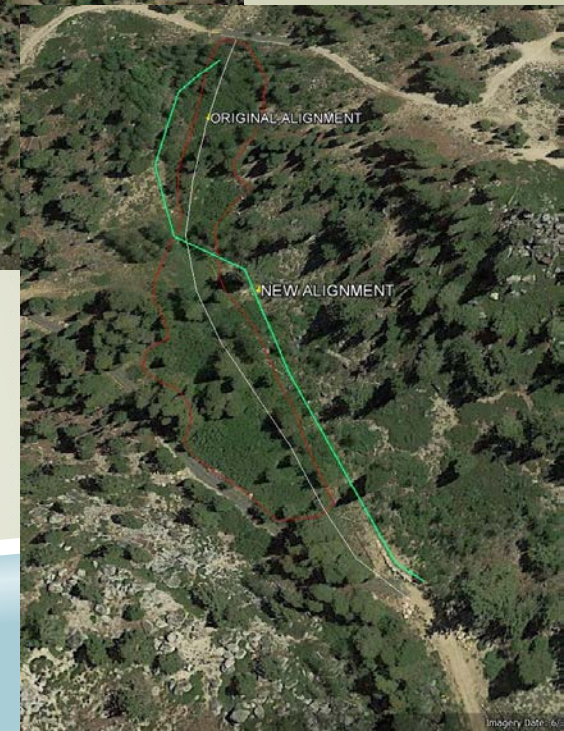
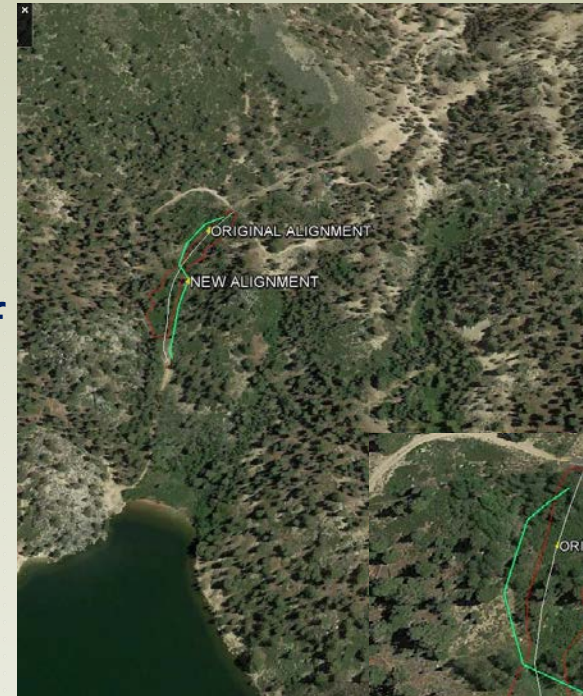
Mountain Beaver and the Marlette Pipeline

Project:

- Replace old failing water pipeline built in the 1950's
- New pipeline was to be buried 4-6 feet with a 10 foot easement on both sides of pipeline.

But..... what about mountain beaver???

Two colonies occupy the lower section of pipeline.



RED-Aplodontia habitat
WHITE-original alignment of pipeline
GREEN-new alignment of pipeline





Wildlife Action Plan Projects

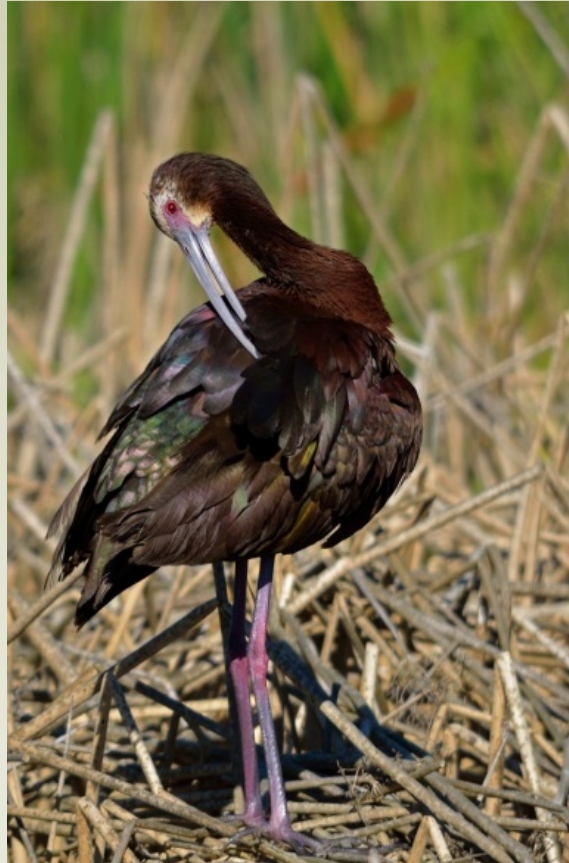
New pipeline installed outside of *Aplodontia* habitat 2009.





Wildlife Action Plan Projects

Next Steps.....





ALLIANCE

FOR AMERICA'S FISH & WILDLIFE

A national campaign to secure dedicated funding for the conservation of all wildlife

Federal Funding History

- 1937 Pittman-Robertson Act
 - 1950 Dingell-Johnson Act
 - 1984 Wallop-Breaux Amendment
- } \$1 Billion Annually
Primarily for Game & Sport Fisheries
- 2001 State and Tribal Wildlife Grants \$50 Million annually

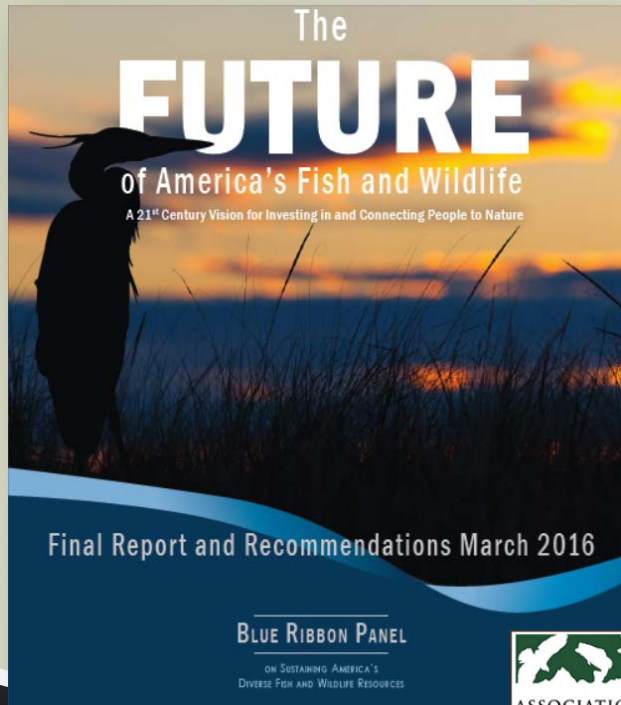




ALLIANCE
FOR AMERICA'S FISH & WILDLIFE

Blue Ribbon Panel

on Sustaining America's Diverse Fish & Wildlife Resources



We believe.....

**Fish and Wildlife
Isn't an Option**

“New dedicated funding is needed
now to ensure the long-term
health of all fish and wildlife”

Blue Ribbon Panel Short Report, March 2016



The Nevada Wildlife Action Plan



Blue Ribbon Panel

on Sustaining America's Diverse Fish & Wildlife Resources

The Panel looked for funding options that:



- Supports conservation of at-risk species and habitats as prioritized in state wildlife action plans.
- Dedicated source of funding
- Sustainable and not reliant on annual appropriations
- New and/or supplemental source of funding that completes the wildlife conservation model

***Two Dozen Funding Options
Examined –
three evaluated in-depth:***

- Excise tax on outdoor recreation products
- Corporate giving
- Energy and mineral royalties





Blue Ribbon Panel

on Sustaining America's Diverse Fish & Wildlife Resources

Funding Target: Implement State Wildlife Action Plans

Nationally

\$1.3 billion annually in new funding is
recommended

Nevada = \$20,472,324





Nevada Wildlife Action Plan

Towards the future

What the Blue Ribbon Panel recommendations could mean for Nevada:

- Better understanding of species and their associated habitats
- Implement more habitat improvement projects
- Broaden education and nature tourism
- Connect people with nature
- Conserve all species for future generations

**State challenge:
Required 25% match.**



The Wildlife Action Plan

Nevada Department of Wildlife

Tony Wasley
Director
twasley@ndow.org
775-688-1590

Jennifer Newmark
Wildlife Diversity Administrator
jnewmark@ndow.org
775-688-1996

6980 Sierra Center Pkwy, Suite 120
Reno, NV 89511

