## Nevada Habitat Status & Trend



### Roadmap

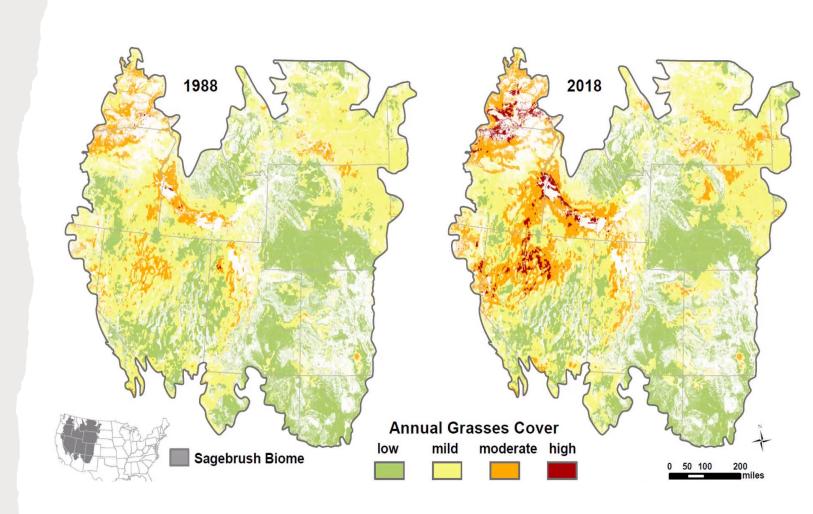
- General Habitat Threats and Long-Term Vegetation Trends
- Short-Term Weather and Vegetation Conditions
- Great Basin Wildfire Season Outlook
- Emerging Threats and Consideration
- Department Activities





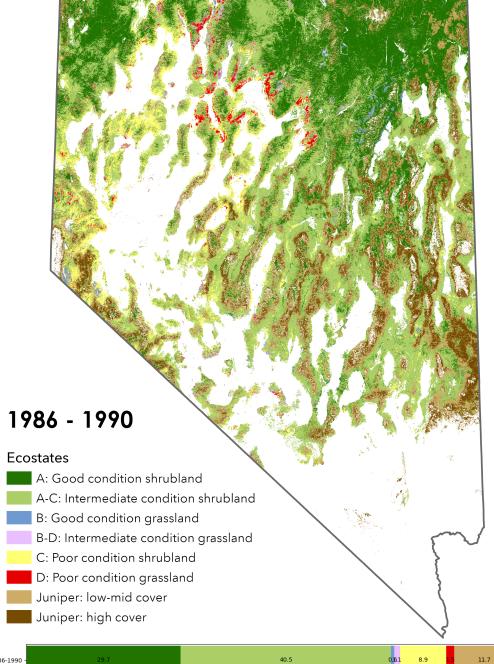
### Threats

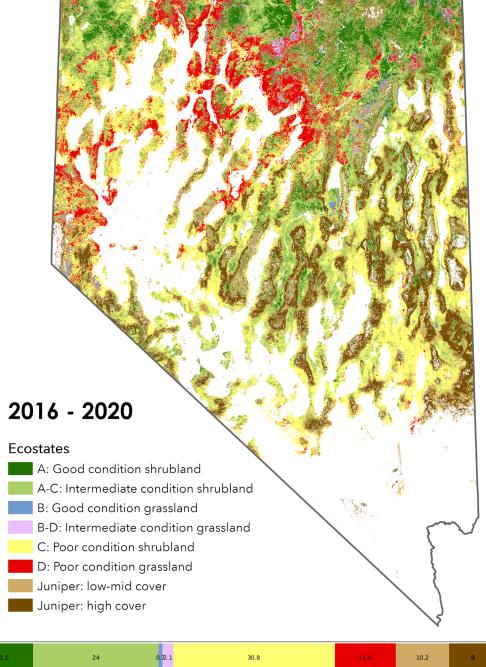
- Invasive Species and Wildfire
- Pinion Juniper Encroachment
- Spring/Riparian/Mead ow Degradation
- Drought
- Anthropogenic
  Development



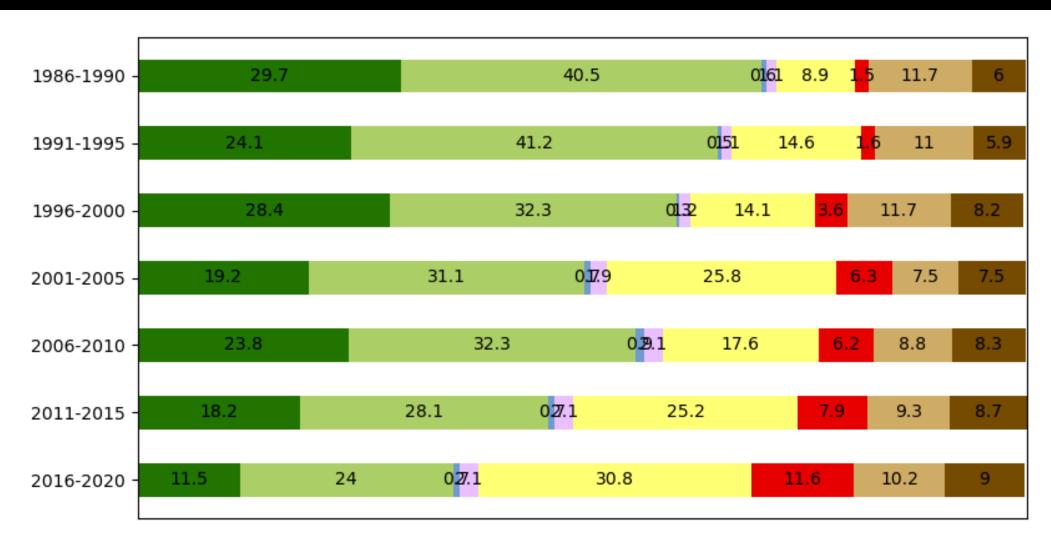


1986-1990





8.9 2016-2020 - Over the last 30 years Nevada's habitats characterized as moderate-to-good shrub and grasslands have decreased by half while areas classified as being in poor condition have increased four-fold.





Natural Resources Conservation Service

### Nevada Water Supply Outlook Report April 1, 2024

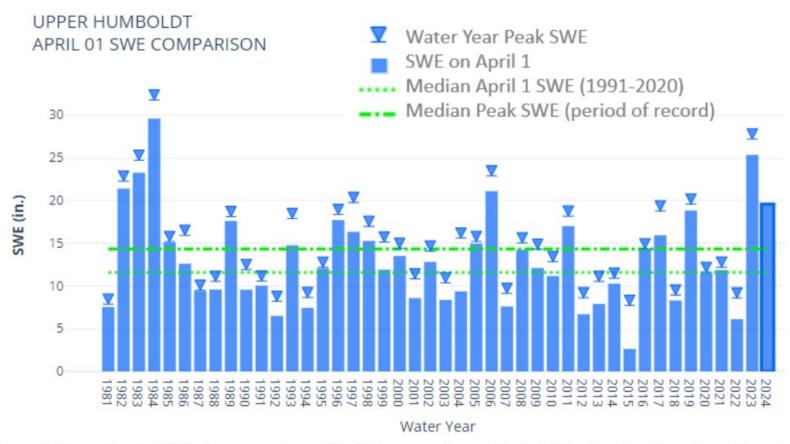
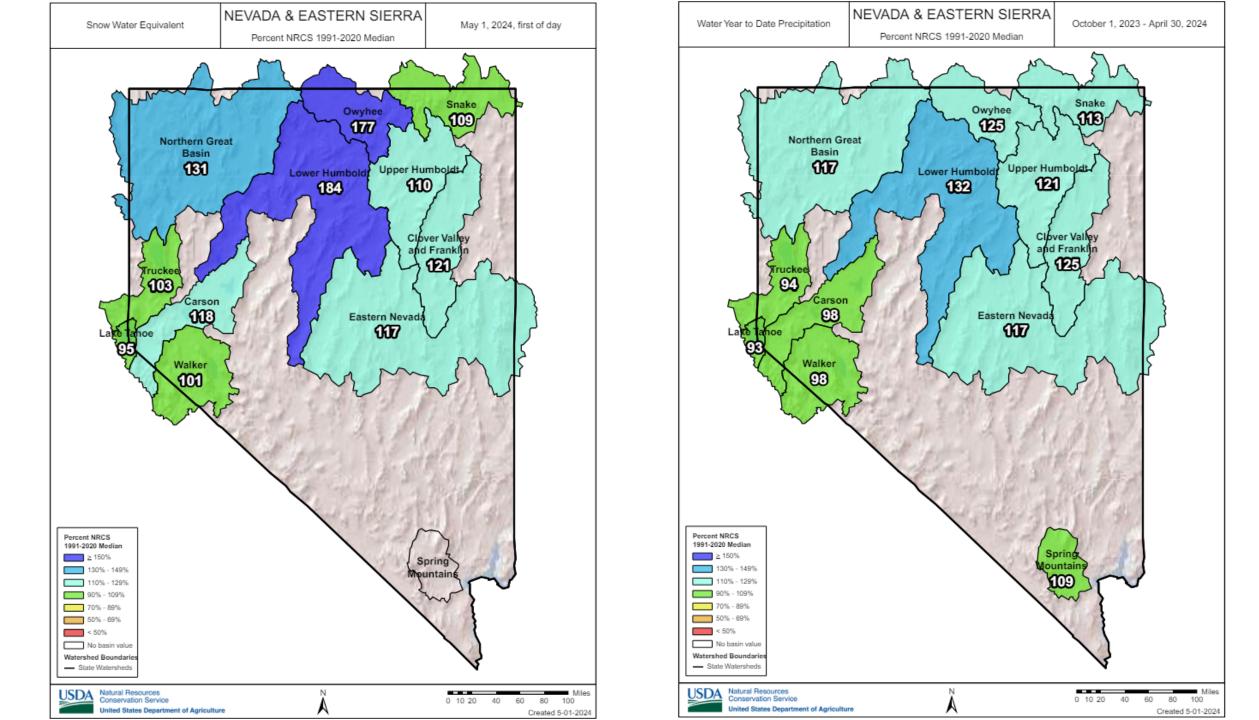
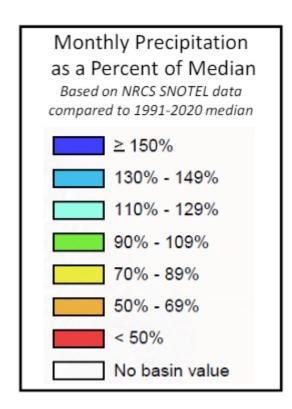
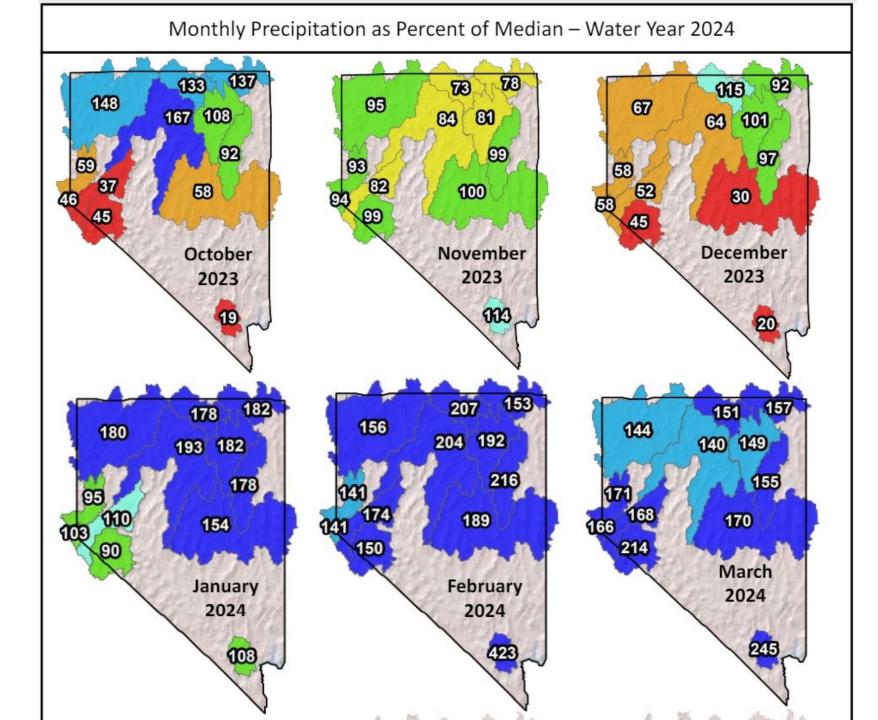


Figure 1: Upper Humboldt Basin comparison of April 1 snow water equivalent (blue bars) with each year's peak snow water equivalent (triangles). Compared to 2023 and 2024, the last time back-to-back winters had similar snow amounts was in 1982 and 1983. Peak SWE typically occurs after April 1 in the Upper Humboldt Basin so the 2024 peak SWE could end up a bit higher than the April 1 amount displayed.







# Great Basin Fire Season Seasonal Outlook April – July 2024

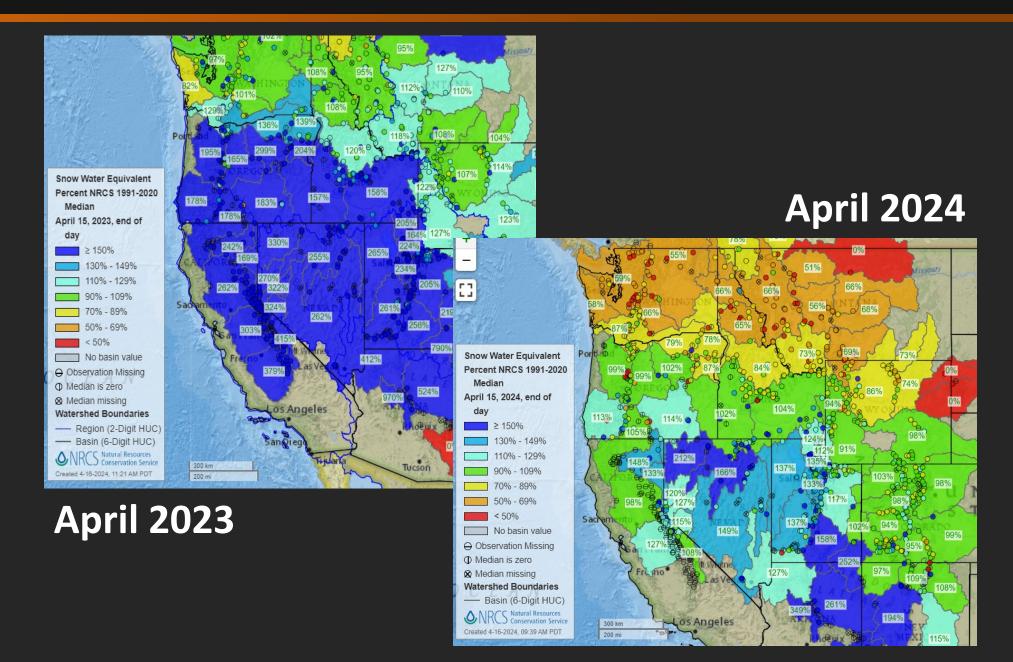




Basil Newmerzhycky Shelby Law Gina Palma

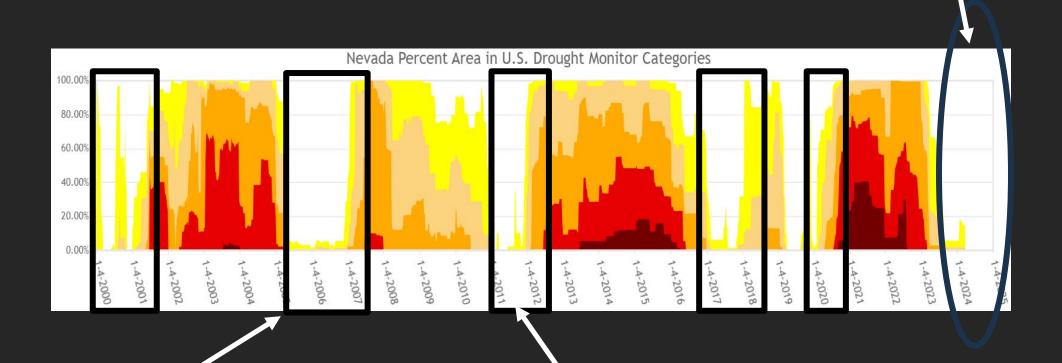


### High Snowpack 2022/23 Followed by "Normal-ish" Snowpack 2023/24



### Nevada

Black Box – Well Above Average BLM acres burned.

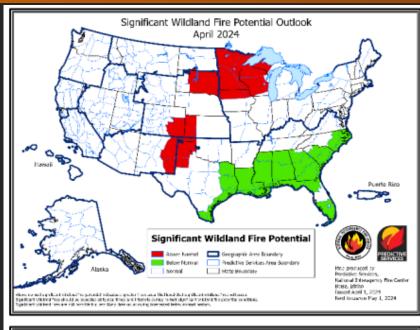


2005 was only well above normal for Srn NV and Srn Ely

Season didn't start until lightning bust in late September 2011

2024

### **National Predictive Services Outlook**









### F E

# Emerging Threats and Considerations - Energy

- BLM Renewable Energy Rule
- BLM Solar PEIS
- Section 368 Transmission Corridors EIS
- Solar
  - Libra
  - Bonanza
  - Rough Hat Clark
  - Dry Lake East Solar
  - Esmeralda Solar Complex

### Wind

- Stagecoach
- Scout Wind
- CG Western Wind Test
- Aquilo Wind

### Other Energy

- Rplus Pumped Hydro Storage
- Energy Storage x 8

### Transmission

- Greenlink North and West Transmission Line projects
- Cross-Tie Transmission Line
- GridLiance West Core Transmission Upgrades EIS





### Emerging Threats and Considerations

- Greater sage-grouse Approved Resource Management Plan **Amendment**
- **BLM Public Lands Rule**
- BLM Nevada Resource Management Plan Update
- Land Bills/Land Exchanges
  - Truckee Meadows Public Lands Management Act
  - Winecup Gamble

The Public Lands Rule establishes a framework to ensure healthy landscapes, abundant wildlife habitat, clean water, and balanced decision-making on our nation's public lands. It will ensure public lands and the resources they provide are available for future generations.

### The Three Main Components of the Public Lands Rule

Restore landscapes

back to health

### Protect the most intact, healthiest landscapes

### **Protect Intact Landscapes**

Manage landscapes for wildlife habitat and clean water.

#### Restoration

Identify priority landscapes. develop restoration plans, and

put people to work restoring America's public lands.

#### Ensure decision-making is based on science and data

Make management decisions informed by the health of lands and waters using science, including Indigenous Knowledge, and data.

#### **Designate Areas of Critical Environmental Concern** (ACEC)

Use this existing tool to protect and manage important landscapes for natural, cultural, scientific, and other values.



Use a landscape-scale approach to develop and implement mitigation strategies. Avoid and minimize adverse impacts to public lands from development, and offset unavoidable impacts.

Expand land health assessments beyond the grazing program to all BLMmanaged public lands.



#### **Allow Restoration and Mitigation Leases**

Formalize restoration and mitigation leases as tools to ensure healthy landscapes, where they are compatible with existing permitted uses. Partners like conservation districts, state game and fish agencies and sporting groups can lease public lands to make investments in restoration. Leases can also be used to balance the impacts of development elsewhere.

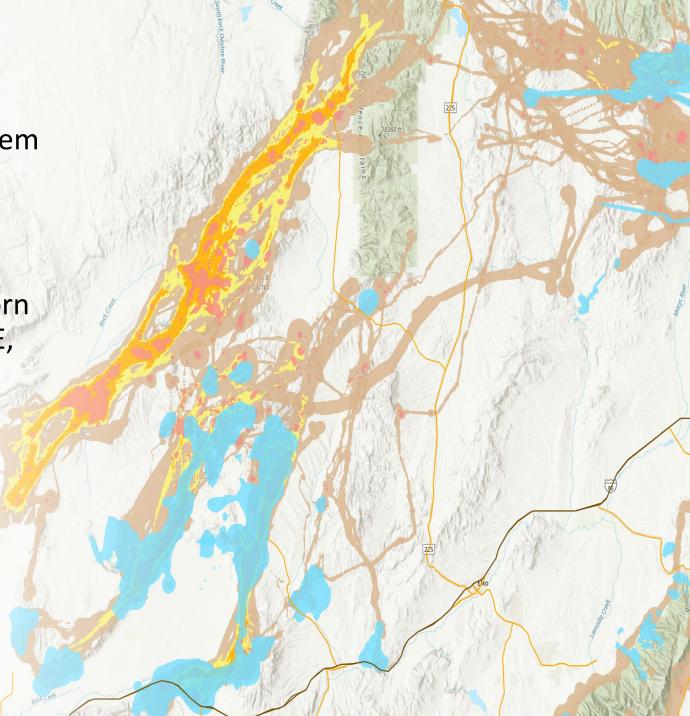
Ensure science drives decision-making, by incorporating assessment, inventory, and monitoring information.



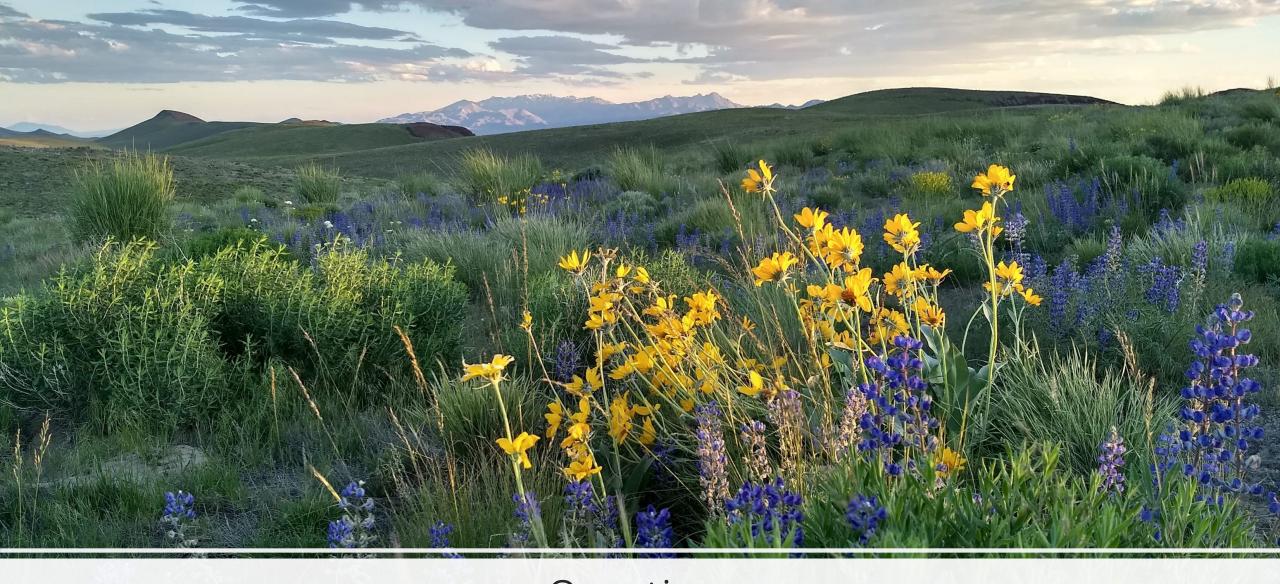


## Department Activities

- Technical Review and Sagebrush Ecosystem Programs
  - Energy Siting Tool Development
- Private Lands Program
  - Completed Licking Ranch, Battle Born Pond, Blue Diamond, Pole Canyon CE, Parrado, Disaster Peak
  - Pending Acquisition of 2 small inholdings within the Argenta WMA, Memory Ranch CE, and South Schell Acquisition.
- Sagebrush Habitat Plan
- Connectivity Plan and Webtool







Questions