# NEVADA CHEATGRASS ACTION TEAM

Sagebrush Ecosystem Technical Team
U.S. Fish and Wildlife Service
and partners

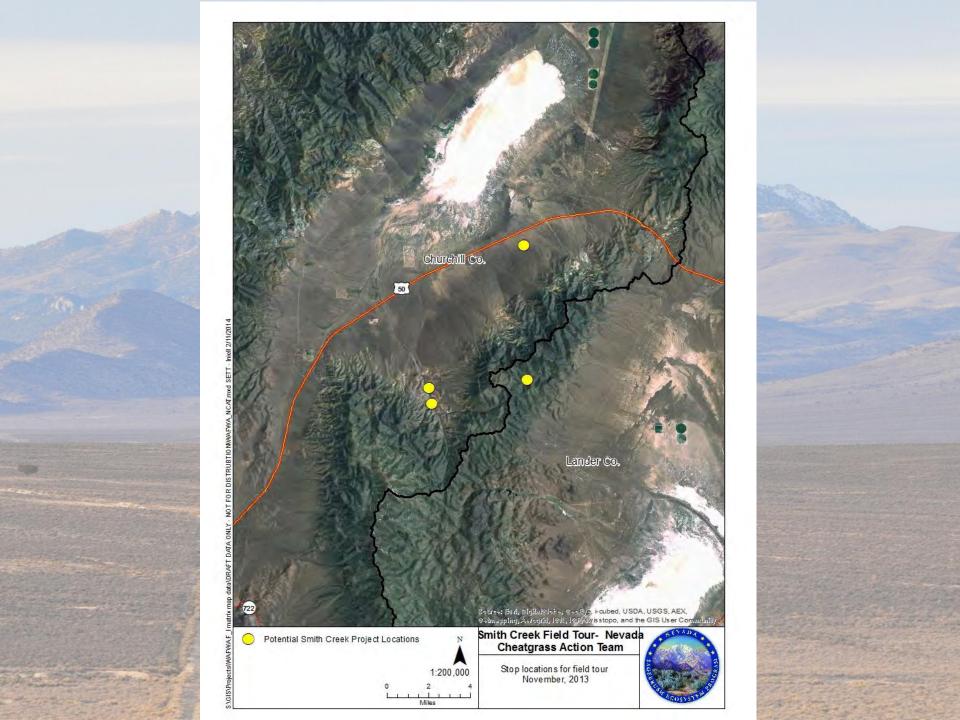
-Kelly McGowan and Lara Niell

### NEVADA CHEATGRASS ACTION TEAM

- •University, state and federal agencies partnered with private land owners to implement and evaluate treatments on the ground to stop the dominance of cheatgrass
- Organized by the USFWS, lead by the SETT
- Private Land Owners
  - Southern Nevada Water Authority (August 29)
  - Newmont Mining (October 15 and 16)
  - Smith Creek Ranch (November 20)

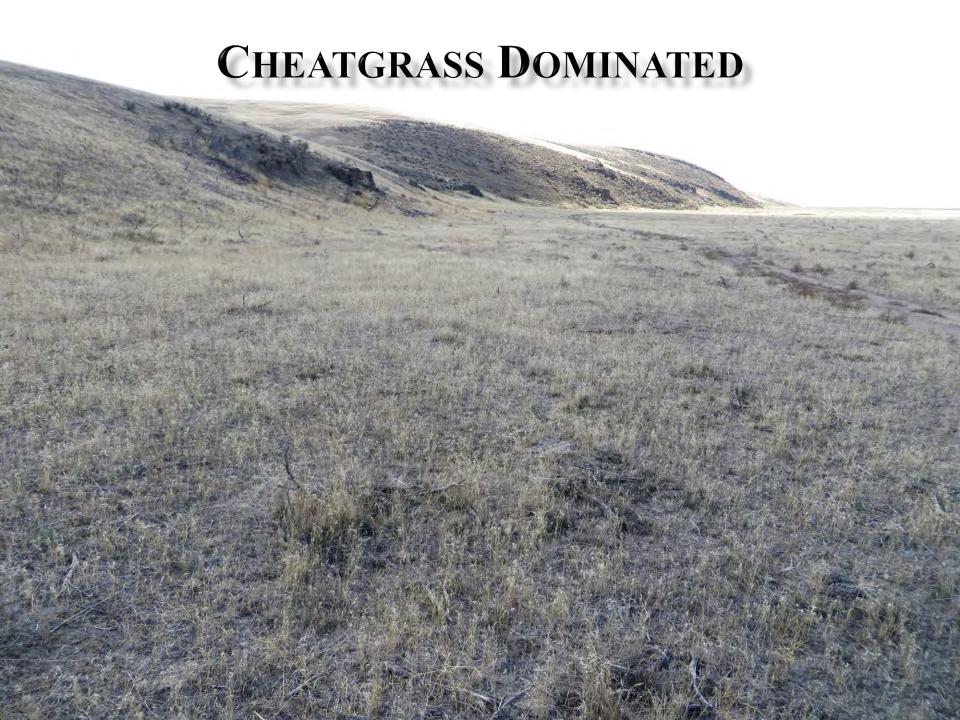






### NEVADA CHEATGRASS ACTION TEAM

- Identified three site scenarios and possible treatment options
  - •Intent is to replicate these across three properties with livestock grazing as a variable
  - Site scenarios
    - Cheatgrass dominated site
    - •Mix of cheatgrass and native perennials with minimal shrub component
    - -Sagebrush community with depauperate understory



### CHEATGRASS DOMINATED

### **PURPOSE**

- Breakup homogenous landscape
- Establish native species and/or forage kochia to provide habitat/reduce fire risk

### TREATMENT

- Herbicides alone and in combination with seeding/seedlings
- Targeted fall grazing in combination with seeding
  - Compare different drill types with seeding to compare recruitment success
- Establish islands on slopes using snow drift fences
- Potential for watering option
- ACK55 Biocontrol

# CHEATGRASS- NATIVE PERENNIALS

### CHEATGRASS- NATIVE PERENNIALS

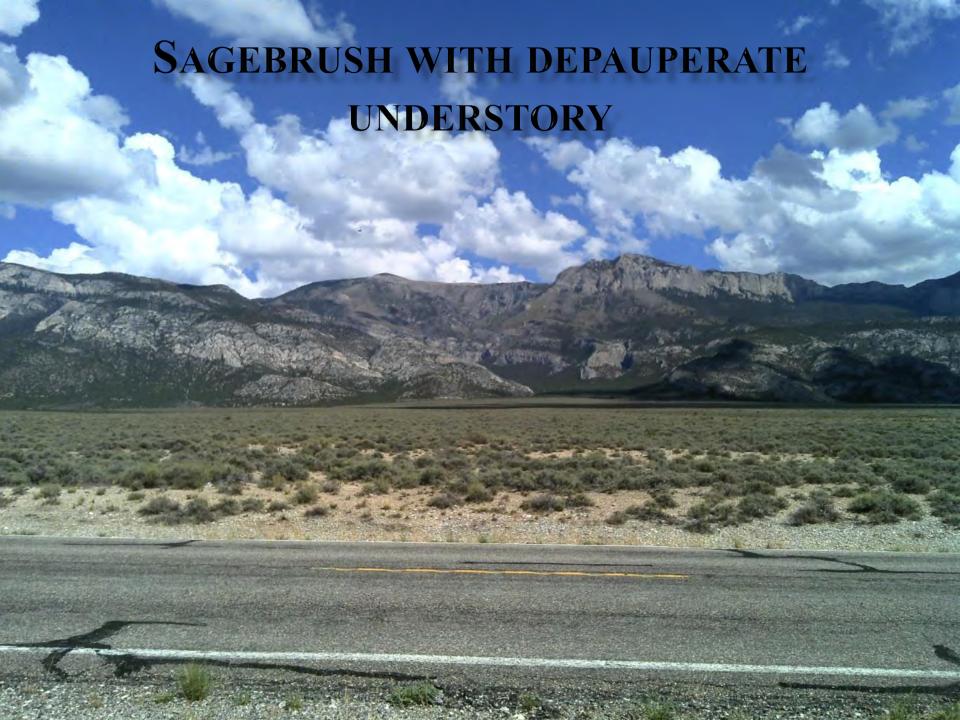
### **PURPOSE**

Reduce

 cheatgrass to
 release native
 perennials

### TREATMENT OPTIONS

- Targeted grazing on cheatgrass during green up
  - High intensity and short duration
- Compare spring grazing to small exclosures



## SAGEBRUSH WITH DEPAUPERATE UNDERSTORY

### **PURPOSE**

Restore native perennial understory to increase resilience

### **TREATMENT**

- Interseeding
- Herbicides
- Transplants

### **Next Steps**

- Work with landowners to further identify specific site locations and treatment options
- Assemble an experiment design team
- If needed, gather baseline data
- On federal land, seek approval to proceed
- Seek/apply for funding
- Implement treatments
- Data collection
- Review, adjust, and repeat