

# **Nevada Department of Wildlife Predator Management Plan Fiscal Year 2016**



# NRS 502.253

## (\$3 predator fee)

“NDOW is committed to using all available tools and the most up-to-date science, including strategic use of predator management, to preserve our wildlife heritage for the long term”

# NRS 502.253

## (\$3 predator fee)

- ~\$550,000 generated annually
- \$14,000 to Wildlife Services
- Staff salary
- Predator plan projects
- Reserve remains available for future years

# Changes in uses of NRS 502.253

1. Management of predatory wildlife
2. Research on lethal control techniques of predatory wildlife
3. Protection of sensitive species

# AB 78

- Mandates that 80% of revenues from most recent fiscal year from which we have complete accounting to be spent on lethal removal

# Project Type: Implementation

- Where the rubber meets the road
- Includes lethal and non-lethal management



# Project Type: Experimental Management

- Involves management and experimentation

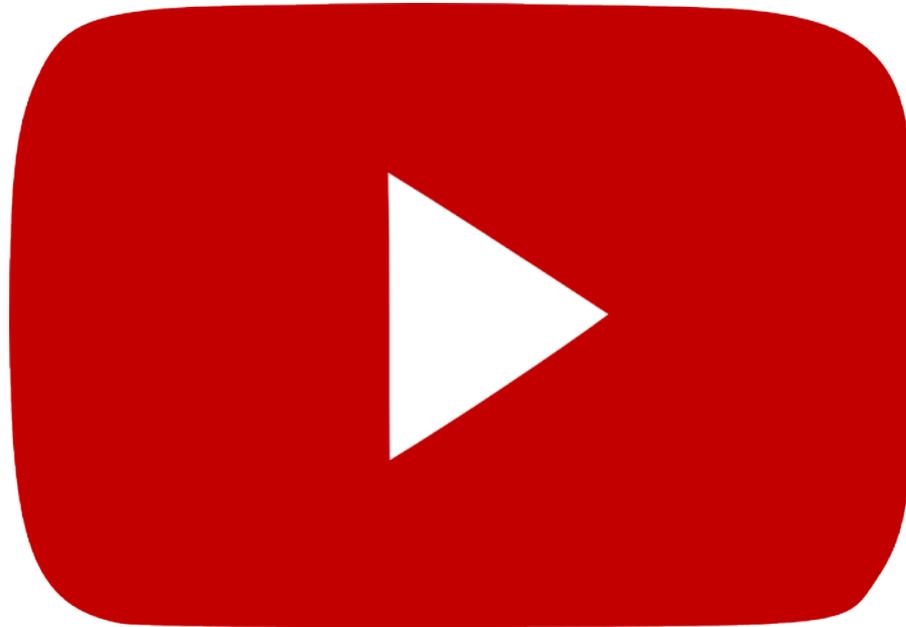


# Project Type: Experimentation

- Experiments to increase understanding of predators



# Project Recommended for Continuation



# Project 21: Greater Sage-Grouse Protection (Raven Removal)

Project Type: Implementation and Experimental  
Management



# Project 21: Greater Sage-Grouse Protection (Common Raven Removal)

**Budget:\$78,000**

- Protect greater sage-grouse populations
- Determine what level of raven control is needed
- Lethally remove common ravens

# Project 21: Greater Sage-Grouse Protection (Common Raven Removal)

- Wildlife Services administers avicide (DCR-1339)
- 11 eggs gone=1 removed common raven
- Surveys to determine common raven densities across Nevada



# Subproject 21-02: Common Raven Removal and Greater Sage-Grouse Nest Success

Project Type: Implementation and Experimental  
Management



# Subproject 21-02: Common Raven Removal and Greater Sage-Grouse

**Nest Success**  
**Budget: \$50,000**

- Document effect of raven removal
- Wildlife Services conducts avicide application
- USGS has conducted telemetry, camera, and lek surveys



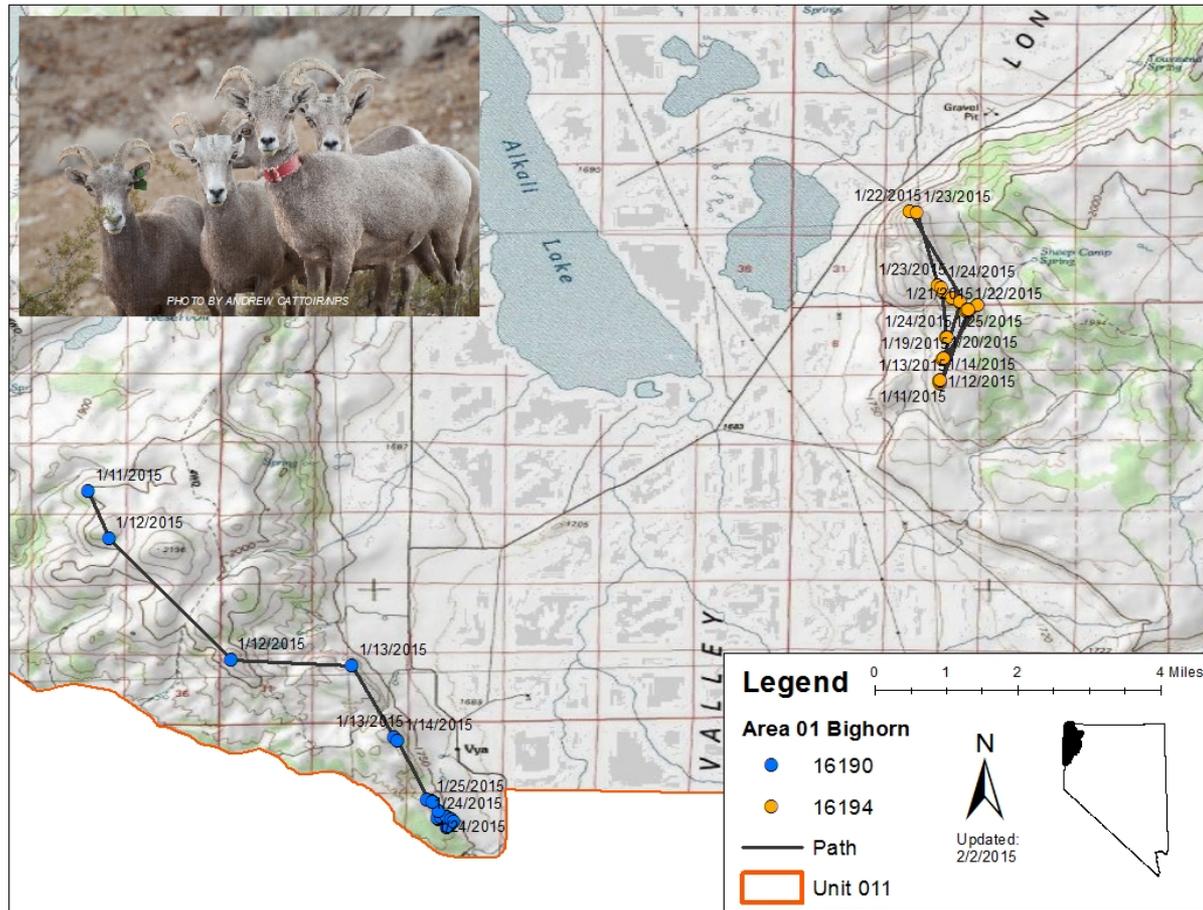
# Project 22: Mule Deer-Game Enhancement

Project Type: Implementation and Experimental Management



# Subproject 22-01: Mountain Lion Removal to Protect California Bighorn Sheep

Project Type: Implementation



# Subproject 22-01: Mountain Lion Removal to Protect California Bighorn Sheep

**Budget: \$45,000**

- Establish self-sustaining population of bighorn sheep, subset of population is currently collared
- Wildlife Services is proactively removing lions entering area
- Wildlife Services or others may respond reactively with dogs after a sheep mortality

# Subproject 22-16 Coyote Den Density and Population Effects on Mule Deer Fawns and Other Wildlife Species

Project Type: Experimental Management  
Implementation (Future Years)



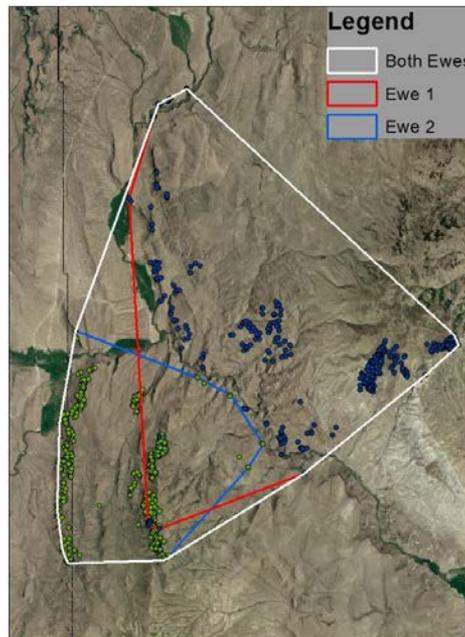
# Subproject 22-16 Coyote Den Density and Population Effects on Mule Deer Fawns and Other Wildlife Species

**Budget: \$160,000 (40k from \$3 predator fee)**

- Determine number of active coyote dens in an area using private contractors
- Determine the population levels of mule deer, Greater sage-grouse, and lagomorphs in same area

# Subproject 22-074: Mountain Lion Removal for the Protection of Rocky Mountain Bighorn Sheep

Project Type: Implementation and Experimental Management



# Subproject 22-074: Mountain Lion Removal for the Protection of Rocky Mountain Bighorn Sheep

**Budget: \$45,000**

- Establish self-sustaining population of bighorn sheep, subset of population is currently collared
- Remove mountain lions in close proximity to bighorn sheep

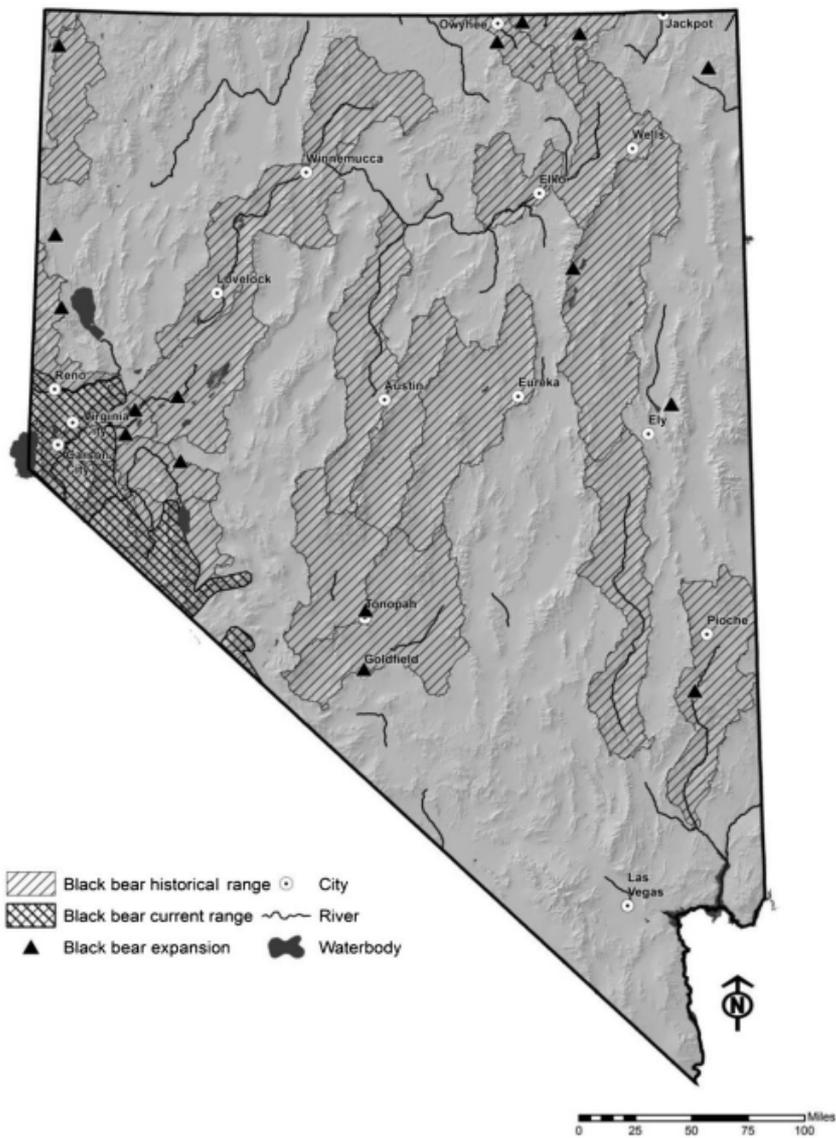
# Project 32: Mountain Lion, Black Bear, and Mule Deer Interactions

Project Type: Implementation and Experimental  
Management



# Project 32: Mountain Lion, Black Bear, and Mule Deer Interactions

- Increase understanding of black bear and mountain lion interactions
- Determine if mountain lions kill more deer in areas occupied by black bears
- Determine if mountain lion conflicts increase where black bears are present



# Project 32: Mountain Lion, Black Bear, and Mule Deer Interactions

**Budget: \$160,000 (40k from \$3 predator fee)**

- Mark 18 black bears, 18 mountain lions, and 60 mule deer with GPS collars
- Monitor kill sites of mountain lions, determine if bears take over kill sites
- Monitor movements of mountain lions, black bears, and mule deer in close proximity

# Project 37: Big Game Protection- Mountain Lions

Project Type: Implementation



# Project 37: Big Game Protection- Mountain Lions

**Budget: \$90,000**

- Addressing mountain lion predation that has a negative influence on game populations
- Remove specific mountain lions to protect big game species
- Work will be conducted by Wildlife Services, private houndsmen, and/or private trappers
- Problematic mountain lions will be identified through GPS collar locations, trail cameras, and kill sites

# Project 38: Big Game Protection- Coyotes

Project Type: Implementation



# Project 38: Big Game Protection- Coyotes

**Budget: \$90,000**

- Addressing coyote predation that has a negative influence on game populations
- Removal of coyotes in winter range and fawning areas in certain situations
- Work will be conducted by Wildlife Services and private contractors

# Project 40: Coyote Removal to Complement Multi-faceted Management in Eureka County



# Project 40: Coyote Removal to Complement Multi-faceted Management in Eureka County

**Budget: \$60,000**

- Coyote removal will complement previously conducted feral horse removal, habitat improvement, and past predator removal efforts

# FY 2017 NEWLY PROPOSED PROJECTS



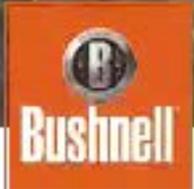
# Project 41: Common Raven Management and Experimentation

**Budget: \$100,000 (25k from \$3 predator fee)**





8S



2015-09-10 17:55:13

# Project 41: Common Raven Management and Experimentation

- Develop a protocol to estimate common raven populations
- Increase the understanding of common raven density and distribution
- Increase the understanding of how human subsidies affect common raven movements and space use,
- Develop recommendations on how to reduce common raven nests in utility lines.
- Develop recommendations for livestock producers

# PROJECTS RECOMMENDED FOR DISCONTINUATION



# Project 35: Using Genetic Testing to Identify Origin of Red Fox

Project Type: Experimentation



# Project 39: Predator Education



# Questions?

