



# STAFF REPORT

**Agenda Item: 3A**

**Report To:** Open Space Advisory Committee

**Meeting Date:** October 21, 2019

**Staff Contact:** Lyndsey Boyer, Senior Natural Resource Specialist

**Agenda Title:** For Discussion Only: Review and discussion regarding Ryan Cooley's Eagle Scout Project to revegetate the burned area along Sierra Vista Lane at East Silver Saddle Ranch.

**Staff Summary:** See below

**Agenda Action:** Other/presentation

**Time Requested:** 10 Minutes

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Mr. Ryan Cooley will discuss his proposed Eagle Scout project to revegetate the burned area along Sierra Vista Lane at East Silver Saddle Ranch. This fire burned in June 2019 and was likely human caused. Mr. Cooley will work with other Boy Scouts, as well as potentially NJROTC cadets to scatter native seed and plant native shrubs, as well as install several tree boxes to create habitat for Wood Ducks.



# East Silver Saddle Ranch Revegetation

Ryan Cooley  
Troop 341



# Burn Area

- East Silver Saddle Ranch, Off of Sierra Vista Lane
- Roughly 1.1 acres
- Caught fire in June, 2019
  - Area fenced off to prevent more damage



# Project Description

- Revegetation before weeds come in
  - Planting seedlings native to Nevada area
    - Dig holes in ground to plant seedlings
  - Scatter seeds
    - Rake into ground
  - Build wood duck boxes

# Importance of Restoration

- Weeds and Invasive Plants
  - Weeds and Invasive plants are another problem to deal with if area is left undealt with
  - Disturb Soil
    - Loosen soil, allowing for erosion and impacting water quality
  - Compete with Native plants for space, nutrients, and sunlight
- Wood Duck boxes
  - Habitat restoration: Wood Ducks are cavity nesters
    - Benefits Wood Ducks that have lost habitat

# Scattering Seed

## Scattering seed

- Seed provided by Comstock Seed
- Tools Provided by Carson City Parks, Recreation and Open Space
  - a. Rake area to prep for seeding
  - b. Hand scatter seeds
  - c. Rake again to bury seeds



# Planting Seedlings

## Planting seedlings

- Seedlings provided by Nevada Division of Forestry nursery
- Tools Provided by Carson City Parks, Recreation and Open Space
  - a. Dig Hole
  - b. Plant seedling at specified depth in ground



# Wood Duck Boxes

- Wood/Nails provided by Carson City Parks, Recreation and Open Space
- Tools Provided by Carson City Parks and Recreation
  - a. Prep and mark wood for cutting offsite
  - b. Put together onsite
  - c. Install
    - Require yearly maintenance and cleaning



# Safety

- Rakes
  - Raking in seeds
- Trowels
  - Digging holes for seedlings
- Saws
  - Cutting wood for Wood Duck boxes
    - Adults and older scouts
- Finish nail gun
  - Constructing Wood Duck boxes
    - Adults

# Other Information and Staff

- Date-November 3rd, 9:00am
  - Will last 3-4 hours
- Parking near the site
- Food will be provided by Cooley family
  - Planning on barbecuing
- Questions?

Lyndsey Boyer- Senior Natural Resource Specialist

Jared Whitaker- Open Space Maintenance Coordinator