



# Kyle Canyon Bark Beetle Control

## Project Purpose

This project is to control native mountain pine beetle attacks in four subdivisions in Kyle Canyon on Mount Charleston. By minimizing the amount of mountain beetle infested trees within the subdivisions, the overall forest will be more resilient to bark beetle presence and healthier. This will also assist in protecting life and property from catastrophic wildfire, as well as maintain sustainable habitat for wildlife.

## Project Treatments

This project has treated 150 separate private landowner lots within Old Town, Rainbow, Cathedral and Echo subdivisions with SPLAT VERB. This is an anti-aggregate pheromone which repels mountain pine beetle by chemically telling the beetle populations that treated trees are already attacked. This creates a buffer zone for individual trees and when applied across the 170 acres, it will create a large buffer protecting a swath of forest.

## Anticipated Impacts & Outcomes

Short-term benefits and impacts include improved forest health conditions and reduced amounts of mountain pine beetle attacks.

Long-term anticipated outcomes include improved forest health on the private lands within Kyle Canyon, allowing for native tree survival, sustained property values, reduced hazard tree presence, and lower maintenance costs for private landowners to remove dead and dying trees. This project will sustain wildlife habitat as well as provide better conditions to access and suppress and wildfires that occur.

## Project Details

Project Timeline	Start	to	End	Priority Landscape(s)
Project Scoping	11/2017		12/2017	Funding and treatments were targeted for this area because it is in the Spring Mountain Range priority landscape in the Nevada Natural Resources Action Plan ( <a href="http://www.stateforesters.org/forest-action-plans/nevada">http://www.stateforesters.org/forest-action-plans/nevada</a> ).
Resource Inventory	1/2018		1/2018	
Planning	2/2018		3/2018	
Funding Acquisition	7/2013		7/2018	
Implementation	4/2018		4/2018	
Monitoring	4/2018		9/2018	

### Threats and Risks to the Area

Wildfire hazards exist in this area. Kyle Canyon is rated with an extreme fire hazard for the entire canyon. More than 500 permanent and seasonal residences are present and are at risk to wildfire. In 2013, the Carpenter 1 fire occurred and burned to the edge of these subdivisions. This was a stand replacing wildfire and the threat still exists for additional wildfires. This project will help protect the forest resource, which provides critical wildlife habitat, and helps maintain water quality.

### National and Nevada's Cohesive Strategy

This project is part of the strategy because it allows federal, state and local agencies to be more effective and efficient at responding to and controlling wildfires, maintaining resilient landscapes, and creating fire-adapted communities.

### Funding Source(s)

- Nevada Division of Forestry
- USFS – State and Private Forestry Forest Health Management Grant 2013

### Partners and Collaborators:

- ✓ Private landowners
- ✓ Nevada Division of Forestry

### Acres to be Conserved or Treated:

- ✓ 170 acres of mixed conifer forest

### Critical Resources Affected or Protected:

- ✓ 350 permanent residences
- ✓ 1,000 residents

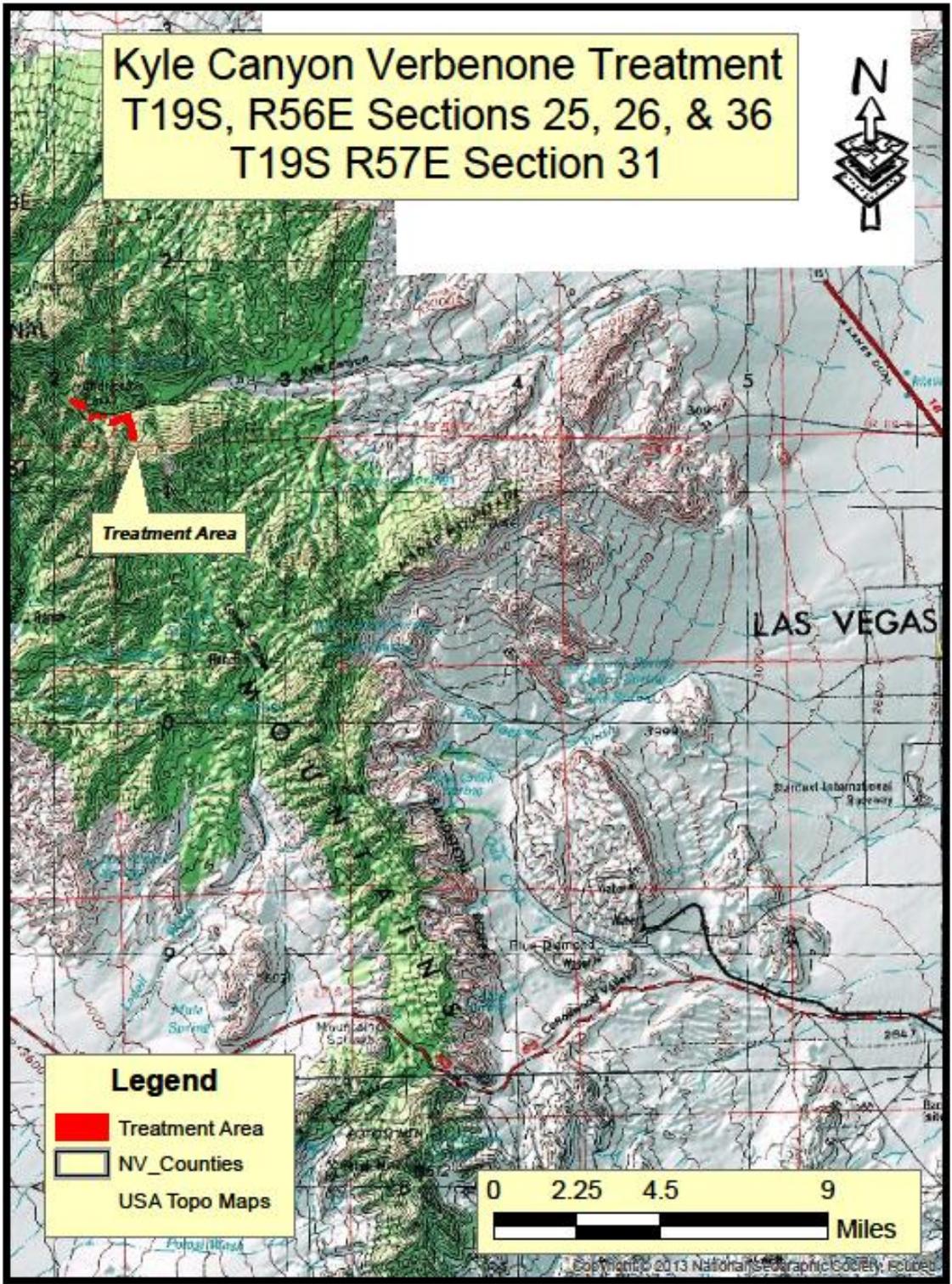
- ✓ Kyle Canyon Watershed

### Watershed(s):

- ✓ Kyle Canyon Watershed
- ✓ Serves domestic aquifer recharge, agricultural irrigation aquifer recharge, livestock watering, and wildlife use.



Kyle Canyon Verbenone Treatment  
T19S, R56E Sections 25, 26, & 36  
T19S R57E Section 31

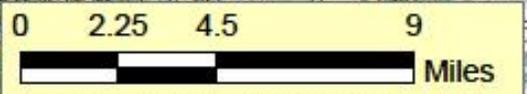


Treatment Area

**Legend**

-  Treatment Area
-  NV\_Counties

USA Topo Maps



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