Trout Canyon

Clark County, Nevada

Community Wildfire Risk Assessment

Total Assessed Rating

213 - Extreme

Suppression Rating

Extreme Hazard

Surrounding Environment Rating

Extreme Hazard

Structures Rating

High Hazard

Fire Protection District

Clark County

Fireshed(s)

Calvada Springs, Pahrump Valley

Community Information

Latitude	36° 10' 48"
Longitude	-115° 40' 47"
Dwelling Units	35
Size	121.56 acres
Community Type	Unincorporated Town
Assessed By:	Josue Gonzalez
Assessment Date:	06-07-2022

Trout Canyon

Clark County, Nevada

SUPPRESSION ASSESSMENT

Ingress and Egress

2 or more roads in/out with NO response/evacuation complexity

2 or more roads in/out with SLIGHT response/evacuation complexity

2 or more roads in/out with MODERATE/HIGH response/evacuation complexity

→ **One road in and out (entrance and exit is the same)**

Recommended Mitigation Strategies

- ☐ Keep community ingress/egress open and maintained (cleared of vegetation, vehicles, and/or any obstructions)
- ☐ Consider developing safety zones and a plan for Shelter-in-Place; consult with Local Fire Department
- ☐ Consider adding a secondary ingress / egress route for use in emergencies

Road Width

Road width is > 24 feet

→ **Road width is > 20 feet and < 24 feet**

Road width is < 20 feet

Recommended Mitigation Strategies

- ☐ Keep shoulders of road clear for emergency vehicle use at all times
- ☐ Consider providing pull-offs every 100 yards

Road Accessibility

Surfaced road

Non-surfaced road, grade less than or equal to 5%

Non-surfaced road, grade greater than 5%

→ **Non-maintained dirt road**

Recommended Mitigation Strategies

- ☐ Consider road improvements to reduce the risk of emergency responders getting stuck in sand or mud, driving in extreme grades, tight corners, and road intersections
- ☐ Coordinate with fire department to test access with emergency response vehicles

Trout Canyon

Clark County, Nevada

Secondary Road Terminus
Roads ends in a cul-de-sac, diameter > 100 feet
Roads ends in a cul-de-sac, diameter < 100 feet
→ **Dead end roads <200 feet long**
Dead end roads >200 feet long
Recommended Mitigation Strategies
☐ Ensure emergency responder are aware of dead-end roads; Consider signing all dead ends.

Street Signs
Present throughout, lettering 4 inches high, non-flammable and reflective
Inconsistent throughout, lettering 4 inches high, non-flammable and reflective
Present or inconsistent but wooden, non-reflective, or lettering less than 4"
→ **Not present**
Recommended Mitigation Strategies
☐ Consider installing reflective, noncombustible street signs to support emergency response efforts

Driveways
→ **Average driveway allows access to homes**
Average driveway restricts access to homes
Recommended Mitigation Strategies
☐ Maintain driveway access and clearance

Water Supply
Pressurized hydrants spaced less than 1000 feet apart
Pressurized hydrants spaced more than 1000 feet apart
Dry Hydrant(s) / Draft available within the community
→ **Other accessible sources within community (pond, lake, etc.)**
Water sources located within 4 miles of community (incl heli dip sites)
No water sources in or within 4 miles of the community
Recommended Mitigation Strategies
☐ Coordinate with fire department and land owners to train/test use of local water sources (e.g. ponds, lakes)

Trout Canyon

Clark County, Nevada

Geographic Features
→ **No notable geographical features present to hinder fire suppression**
Suppression efforts hindered by geographical features (e.g. hazardous terrain)
Recommended Mitigation Strategies
☐ Be aware of local geographic features and plan appropriately in the event of a wildfire approaching your area; consider pre-suppression plan

Local Response Resources
5 mi. or less from Agency with Response Authority (Staffed FD)
5 mi. or less from Agency with Response Authority (Mixed Staff/VFD)
→ **5 mi. or less from Agency with Response Authority (VFD)**
> 5 mi. from Agency with Response Authority FD
Recommended Mitigation Strategies
☐ Establish and maintain contact with the closest Fire Department; consider pre-suppression plan
☐ Be aware of the importance of early detection and reporting of any emergency
☐ Consider Volunteer recruitment from the Community

Community Organization/Governance
GID present; HAS structure for sustained fire prevention and mitigation
HOA present; HAS structure for sustained fire prevention and mitigation
Municipal govt present; HAS structure for sustained fire prevention and mitigation
GID present; LACKS structure for sustained fire prevention and mitigation
→ **HOA present; LACKS structure for sustained fire prevention and mitigation**
Municipal govt present; LACKS structure for sustained fire prevention and mitigation
Lacks any structure for sustained fire prevention and mitigation
Recommended Mitigation Strategies
☐ Work with community to become more proactive towards protecting your life and property against wildfires; Become a Firewise USA® Site
☐ Host a Community Education Event at least once a year; Become a Firewise USA® Site
☐ Complete Community Risk Mitigation Project(s) as identified by Community Action Plan

Trout Canyon

Clark County, Nevada

SURROUNDING ENVIRONMENT ASSESSMENT

Predominant Vegetation

Light (grass)

Medium (brush)

Heavy (timber, overgrown sage, Pinyon/Juniper with dead/down, etc)

→ **Extreme / Slash (Any Combination of contiguous Light, Medium, Heavy)**

Recommended Mitigation Strategies

- ☐ Identify heavy fuel areas (jackpots) and consider removal or breaking them up
- ☐ Consider removal of ladder fuels that allow fire to climb from lower to higher vegetation
- ☐ Trim tree canopies regularly to keep their branches a minimum of 10' from structures and other trees
- ☐ Leave 30 feet between clusters of two to three trees, or 20 feet between individual trees
- ☐ Prune trees 6-10 feet from the ground

Defensible Space

> 75% of homes meet criteria in Zone 0, 1 & 2

50 to 75% of homes meet criteria in Zone 0, 1 & 2

< 50% of homes meet criteria in Zone 0, 1 & 2 - Light fuels amongst structures

< 50% of homes meet criteria in Zone 0, 1 & 2 - Moderate fuels amongst structures

→ **Fuels heavy/extreme amongst structures & other urban hazards/materials are present**

Recommended Mitigation Strategies

- ☐ Be aware of the risks from falling embers in relation to nearby fuels and defensible space
- ☐ Mow lawns regularly
- ☐ Water grass, plants, trees and mulch regularly
- ☐ Create a spacing of 30 feet between tree crowns
- ☐ Create a non-combustible area (zone 0) within 5 feet of your home, using non-flammable landscaping materials
- ☐ Remove dead vegetation from under the deck and within 10 feet of the house; stack firewood away from structures
- ☐ ConsiderÂ xeriscaping
- ☐ Plant a mixture of deciduous trees (e.g. oak and maple) and coniferous trees (e.g. pine)
- ☐ Create fuel breaks like driveways and gravel walkways
- ☐ Remove smaller conifers that are growing between taller trees
- ☐ Remove heavy accumulations of woody debris
- ☐ Clean up and remove flammable 'urban' materials within 30 feet of structures (garbage, abandoned vehicles, household debris, wood piles/debris, etc)

Trout Canyon

Clark County, Nevada

Structure-to-Structure Ignition
→ **No Possible Structure-to-Structure Ignition**
Possible Structure-to-Structure Ignition
Recommended Mitigation Strategies
☐ N/A

Slope
Slope 0% - 5%
Slope 6 % - 10%
Slope 11% - 30%
→ **Slope > 31%**
Recommended Mitigation Strategies
☐ Increase defensible space in areas with steeper slopes

Vegetation on Electric Transmission Lines
No above ground electric transmission lines present
Above ground electric transmission lines are maintained
→ **Above ground electric transmission lines are NOT maintained**
Recommended Mitigation Strategies
☐ Work with NDF and/or local fire protection district to alert electric provider (NVEnergy) of needed line maintenance

Topographical Features
No topographical features adversely affect wildland fire behavior
→ **Topographical features adversely affect wildland fire behavior (box canyons, chimneys, etc.)**
Recommended Mitigation Strategies
☐ Maintain situational awareness of fire danger in your area, as local topographical features can adversely affect wildland behavior

Trout Canyon

Clark County, Nevada

Adjacency to Wildlands
Not adjacent to wildlands with accumulated fuels
→ **Adjacent to wildlands with accumulated fuels**
Recommended Mitigation Strategies
☐ When possible, install firebreaks and reduce fuel loads around community boundary to reduce risk from adjacent wildlands; Work with neighboring land owners

Undeveloped Lots with Restricted Access and/or Not Maintained
Fewer than 10% of lots are undeveloped
10% to 30% of lots are undeveloped
→ **31% to 50% of lots are undeveloped**
Greater than 51% of lots are undeveloped
Recommended Mitigation Strategies
☐ Provide Living with Fire/Firewise construction guidelines to developers /owners
☐ Consider developing covenant restrictions, if applicable

Trout Canyon

Clark County, Nevada

STRUCTURES ASSESSMENT

Roofing Materials

> 75% of homes have metal, tile or class A asphalt or fiberglass shingles

→ **50 to 75% of homes have metal, tile or class A asphalt or fiberglass shingles**

< 50% of homes have metal, tile or class A asphalt or fiberglass shingles

Recommended Mitigation Strategies

- ☐ Use fire-resistant roofing material such as metal, tile or Class A shingles
- ☐ Inspect for and address gaps in roofing that can expose roof decking or supports
- ☐ Place angle flashing over openings between the roof decking and fascia board

Debris on Roof and/or Gutters

No

→ **Yes**

Recommended Mitigation Strategies

- ☐ Clear branch, leaf-litter and other debris from roof and gutters regularly
- ☐ Prune tree limbs away from roof

Ventilation and Soffits

> 75% of homes have non-combustible ventilation soffits with mesh or screening

→ **50-74% of homes have non-combustible ventilation soffits with mesh or screening**

< 50% of homes have non-combustible ventilation soffits with mesh or screening

Recommended Mitigation Strategies

- ☐ Â Clean vents to keep them free of debris, allowing them to keep embers out while allowing air flow for ventilation
- ☐ Enclose or box-in eaves with non-combustible materials such as metal, cement board or stucco
- ☐ Install a 1/8 inch metal screen behind roof vents

Siding

> 75% of homes have non-combustible siding

→ **50-74% of homes have non-combustible siding**

< 50% of homes have non-combustible siding

Recommended Mitigation Strategies

- ☐ Keep landscaping materials and vegetation away from combustible siding
- ☐ Create 5-foot non-combustible area (Zone 0) around house
- ☐ Replace with noncombustible siding when possible

Trout Canyon

Clark County, Nevada

Underskirting
→ **> 75% of homes have skirting underneath raised floors/decks**
50-74% of homes have skirting underneath
< 50% of homes have skirting underneath
Recommended Mitigation Strategies
☐ Remove combustible vegetation and leaf litter
☐ Spread gravel or other non-combustible material under the deck
☐ Screen in the bottom of the deck with metal 1/8-inch screening
☐ Separate wooden fences from the house with a stone or metal barrier

Wooden Attachments
> 75% of homes have NO Wooden Attachments
→ **50-74% of homes have NO Wooden Attachments**
< 50% of homes have NO Wooden Attachments
Recommended Mitigation Strategies
☐ Â Maintain debris-free decks (e.g. remove ignitable furniture, planters and covering propane grills, especially during high fire danger periods)
☐ Consider disconnecting fences from structures, or replacing materials directly attached to structures with fire resistant materials
☐ Be aware that wooden attachments can act as a fuse to the structure

Building Setback
Not applicable
Greater than or equal to 30 feet from slope
→ **Less than 30 feet from slope**
Recommended Mitigation Strategies
☐ Review suggested defensible space and vegetation management as pertains to building setback

Propane
> 30 feet from the house and surrounding vegetation maintained
→ **Fewer than 30 feet from the house and/or surrounding vegetation not maintained**
N/A
Recommended Mitigation Strategies
☐ Clear ALL flammable debris and materials from around propane tank regularly
☐ Consider setting propane tank on concrete or gravel pad

Trout Canyon

Clark County, Nevada

Electric Utilities
Electric Underground
Electric Overhead drop maintained
→ **Electric Overhead drop not maintained**
Recommended Mitigation Strategies
☐ Keep vegetation pruned and mowed around electric right of ways; Drop to home is homeowner responsibility

Non-Combustible Zone 0
> 75% of homes/outbuildings have adjacent 5-ft non-combustible zone
→ **50-74% of homes/outbuildings have adjacent 5-ft non-combustible zone**
< 50% of homes/outbuildings have adjacent 5-ft non-combustible zone
Recommended Mitigation Strategies
☐ N/A

COMMENTS
35 structures in subdivision, 10 full families/residents in subdivision, 10 miles from state road 160 to subdivision. If flash flood happens subdivision road will be impacted and not travel. water pipe from 3 miles away from mountain and a community well. water pipe can and has been impacted by wildland fires and floods. residents have slash piles in and around property, need on wood chipper to remove the fire hazard from property.