

Cold Creek



Clark County, Nevada

Community Wildfire Risk Assessment

Total Assessed Rating



182 - High

Suppression Rating

Extreme Hazard

Surrounding Environment Rating

Extreme Hazard

Structures Rating

High Hazard

Fire Protection District

Clark County

Fireshed(s)

Lower Indian Springs Valley

Community Information

Latitude 36° 25' 30"
Longitude -115° 44' 22"
Dwelling Units 100
Size 734.27 acres
Community Type Agricultural/Rural

Assessed By: Raul Arroyo

Assessment Date: 06-03-2022



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 driving in extreme grades, tight corners, and road intersections
- Coordinate with fire department to test access with emergency response vehicles



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

- Coordinate with emergency responders to test cul-de-sac turnaround with their emergency response vehicles

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

- Replace missing signs; keep visible and clear of vegetation and fine fuels
- Keep street signs visible and clear of vegetation and fine fuels

Driveways

Average driveway allows access to homes

→ **Average driveway restricts access to homes**

Recommended Mitigation Strategies

- Improve driveway accessibility where possible
- Ensure emergency responders are aware of driveway restrictions

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

- Clearly mark and regularly test dry hydrants; coordinate with Local Fire Department
- Keep dry hydrants clear of obstructions and vegetation



Geographic Features

No notable geographical features present to hinder fire suppression

→ **Suppression efforts hindered by geographical features (e.g. hazardous terrain)**

Recommended Mitigation Strategies

- Ensure emergency responders are aware of local geographic features that can hinder fire suppression efforts; 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

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

- 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
- Consider 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)



Structure-to-Structure Ignition

No Possible Structure-to-Structure Ignition

→ **Possible Structure-to-Structure Ignition**

Recommended Mitigation Strategies

- Work with neighbors to remove/prune vegetation between houses to mitigate structure-to-structure ignition risk; consider non-combustible fencing 5 feet from structure
- Consider use of sprinkler systems to keep vegetation moisture levels up
- Replace flammable roofs, siding, soffits, etc. with nonflammable when possible

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

- Know who to call should there be a problem with electric lines in community

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

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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

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

- 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



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

→ **> 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

- 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



Electric Utilities

Electric Underground

→ **Electric Overhead drop maintained**

Electric Overhead drop not maintained

Recommended Mitigation Strategies

- Â Keep vegetation pruned and mowed around electric cabinets
- Place non-flammable mulch (rock, stone) around base of electrical cabinets
- Plant less flammable bushes and shrubs around electrical cabinets

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

fuels most definitely fuels reduction and education needed.
HOA present
100 homes
22 hydrants
1 pond
1 ccfd vdf
need to be able to have more selection instead of one.

