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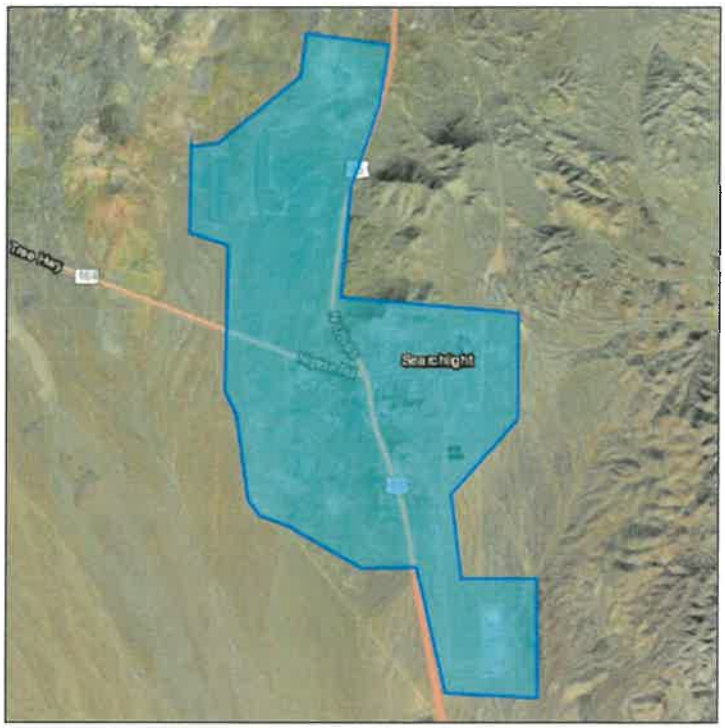
Clark County, Nevada

Community Wildfire Risk Assessment



Total Assessed Rating

89 - Moderate

Suppression Rating

Moderate Hazard

Surrounding Environment Rating

Moderate Hazard

Structures Rating

Moderate Hazard

Fire Protection District

Clark County

Fireshed(s)

Lake Mohave-Colorado River, Ora Hanna Spring, Upper Piute Wash

Community Information

Latitude	35° 27' 57"
Longitude	-114° 55' 16"
Dwelling Units	367
Size	4,017.06 acres
Community Type	Residential - Mixed
Assessed By:	Josue Gonzalez
Assessment Date:	02-13-2023

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)
- ☐ Develop community plan for evacuation routes, safe zones, staging areas
- ☐ If community is gated, develop evacuation plan and ensure emergency responder access
- ☐ Ensure residents know their closest exit in case of emergency
- ☐ Ask Local Fire Department about Ready, Set, Go!

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

- ☐ Ensure that road maintenance plan is in place

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
☐ Consider upgrading to reflective, noncombustible street signs to improve emergency response efforts
☐ 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
☐ 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
☐ N/A

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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

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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

- ☐ N/A

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; consder 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

- ☐ N/A

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

- ☐ N/A

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Adjacency to Wildlands
→ **Not adjacent to wildlands with accumulated fuels**
Adjacent to wildlands with accumulated fuels
Recommended Mitigation Strategies
☐ N/A

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

- ☐ 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

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

- ☐ N/A

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

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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
16 commercial structures with no threat. Water source is pressure lower area of town has dry hydrants, on the slope areas of town have 2.45 stand pipe. Searchlight VFD extend to the following areas. US-95 south to California state line, Nevada state route 164 West to California state line, Nevada state route 164 East Cottonwood Cove RD to lake Mojave. 1% of residents leave away from Searchlight community.