

Mogul

Washoe County, Nevada



Community Wildfire Risk Assessment

Total Assessed Rating

122 - High

Suppression Rating

Low Hazard

Surrounding Environment Rating

High Hazard

Structures Rating

High Hazard

Fire Protection District

Truckee Meadows FPD-Washoe County

Fireshed(s)

City of Reno-Truckee River

Community Information

Latitude	39° 31' 3"
Longitude	-119° 55' 55"
Dwelling Units	365
Size	472.36 acres
Community Type	Residential - Stick-Built
Assessed By:	Kelli Nevills
Assessment Date:	10-20-2023



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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

- 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



<p>Geographic Features</p> <p>→ No notable geographical features present to hinder fire suppression Suppression efforts hindered by geographical features (e.g. hazardous terrain)</p> <p><i>Recommended Mitigation Strategies</i></p> <p><input type="checkbox"/> Be aware of local geographic features and plan appropriately in the event of a wildfire approaching your area; consider pre-suppression plan</p>
<p>Local Response Resources</p> <p>→ 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</p> <p><i>Recommended Mitigation Strategies</i></p> <p><input type="checkbox"/> Establish and maintain contact with the closest Fire Department; consider pre-suppression plan <input type="checkbox"/> Be aware of the importance of early detection and reporting of any emergency</p>
<p>Community Organization/Governance</p> <p>GID present; HAS structure for sustained fire prevention and mitigation HOA present; HAS structure for sustained fire prevention and mitigation</p> <p>→ 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</p> <p><i>Recommended Mitigation Strategies</i></p> <p><input type="checkbox"/> Host a Community Education Event at least once a year; Become a Firewise USA® Site <input type="checkbox"/> Complete Community Risk Mitigation Project(s) as identified by Community Action Plan</p>



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



Structure-to-Structure Ignition
No Possible Structure-to-Structure Ignition → Possible Structure-to-Structure Ignition
<i>Recommended Mitigation Strategies</i>
<input type="checkbox"/> Work with neighbors to remove/prune vegetation between houses to mitigate structure-to-structure ignition risk; consider non-combustible fencing 5 feet from structure <input type="checkbox"/> Consider use of sprinkler systems to keep vegetation moisture levels up <input type="checkbox"/> Replace flammable roofs, siding, soffits, etc. with nonflammable when possible
Slope
Slope 0% - 5% → Slope 6 % - 10% Slope 11% - 30% Slope > 31%
<i>Recommended Mitigation Strategies</i>
<input type="checkbox"/> 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
<i>Recommended Mitigation Strategies</i>
<input type="checkbox"/> 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.)
<i>Recommended Mitigation Strategies</i>
<input type="checkbox"/> Maintain situational awareness of fire danger in your area, as local topographical features can adversely affect wildland behavior



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



<p>Underskirting</p> <p>→ > 75% of homes have skirting underneath raised floors/decks</p> <p>50-74% of homes have skirting underneath</p> <p>< 50% of homes have skirting underneath</p> <p><i>Recommended Mitigation Strategies</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Remove combustible vegetation and leaf litter <input type="checkbox"/> Spread gravel or other non-combustible material under the deck <input type="checkbox"/> Screen in the bottom of the deck with metal 1/8-inch screening <input type="checkbox"/> Separate wooden fences from the house with a stone or metal barrier
<p>Wooden Attachments</p> <p>> 75% of homes have NO Wooden Attachments</p> <p>50-74% of homes have NO Wooden Attachments</p> <p>→ < 50% of homes have NO Wooden Attachments</p> <p><i>Recommended Mitigation Strategies</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Â Maintain debris-free decks (e.g. remove ignitable furniture, planters and covering propane grills, especially during high fire danger periods) <input type="checkbox"/> Consider disconnecting fences from structures, or replacing materials directly attached to structures with fire resistant materials <input type="checkbox"/> Be aware that wooden attachments can act as a fuse to the structure
<p>Building Setback</p> <p>Not applicable</p> <p>→ Greater than or equal to 30 feet from slope</p> <p>Less than 30 feet from slope</p> <p><i>Recommended Mitigation Strategies</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Review suggested defensible space and vegetation management as pertains to building setback
<p>Propane</p> <p>> 30 feet from the house and surrounding vegetation maintained</p> <p>Fewer than 30 feet from the house and/or surrounding vegetation not maintained</p> <p>→ N/A</p> <p><i>Recommended Mitigation Strategies</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> N/A

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Electric Utilities

Electric Underground

→ **Electric Overhead drop maintained**

Electric Overhead drop not maintained

Recommended Mitigation Strategies

- 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