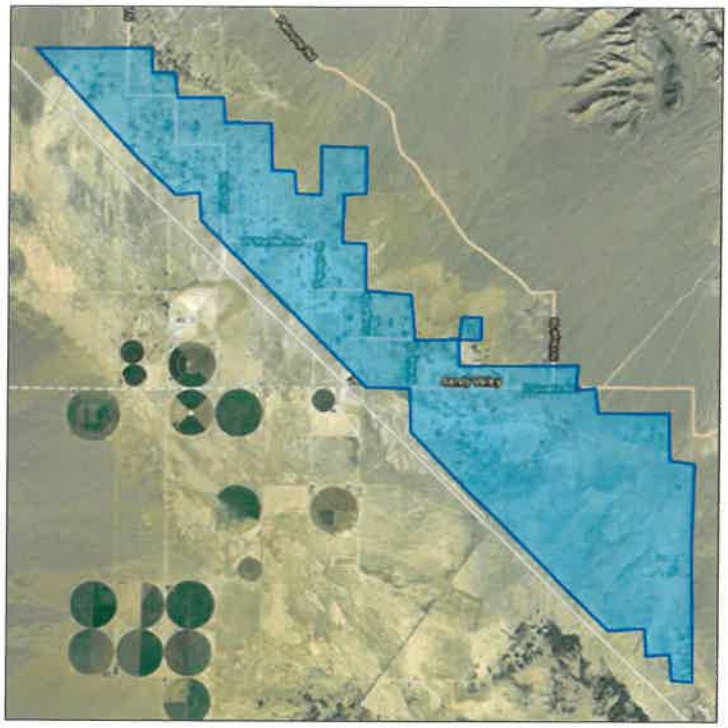
Sandy Valley

Clark County, Nevada

Community Wildfire Risk Assessment



Total Assessed Rating

72 - Moderate

Suppression Rating

Moderate Hazard

Surrounding Environment Rating

Moderate Hazard

Structures Rating

Moderate Hazard

Fire Protection District

Clark County

Fireshed(s)

Potosi Wash, Mesquite Valley

Community Information

Latitude	35° 48' 48"
Longitude	-115° 37' 58"
Dwelling Units	874
Size	6,635.15 acres
Community Type	Residential - Mixed
Assessed By:	Josue Gonzalez
Assessment Date:	06-23-2022

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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

- ☐ 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

- ☐ Maintain unobstructed access into cul-de-sacs
- ☐ Ensure cul-de-sacs are free of vehicles and/or other items

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

- ☐ 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

- ☐ Be aware of limited access to a water source and coordinate with the closest Fire Department accordingly; consider pre-suppression plan
- ☐ Identify nearby potential water sources (e.g. pools); consider pre-suppression plan
- ☐ Plan for water source installations within or closer to community; consider pre-suppression plan

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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

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

- ☐ 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

- ☐ 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

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

☐ 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

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

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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

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
☐ N/A

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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
☐ Remove flammable materials and Create 5-foot non-combustible area (Zone 0) around house

COMMENTS
-street names faded or missing. -one pave road -water source at fire station