

SUPPRESSION ASSESSMENT

Ingress and Egress

2 or more roads in and out

→ **One road in and out (entrance and exit are 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
- Evaluate 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 whenever possible
- Consider providing pull-offs every 100 yards for emergency vehicle use
- Coordinate with fire department to ensure they are aware of road width limitations
- Be aware that road width could limit emergency vehicles to brush trucks only

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

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Secondary Road Terminus

Road ends in a cul-de-sac, diameter > 100 feet

Road ends in a cul-de-sac, diameter < 100 feet

Dead end road <200 feet long

→ **Dead end road >200 feet long**

Recommended Mitigation Strategies

- Ensure emergency responders are aware of dead-end roads
- If dead-end roads are narrow, restrict access during an emergency

Street Signs

→ **Present, lettering 4 inches high, non-flammable and reflective**

Present 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

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

Water Supply

→ **Has pressurized hydrants**

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

- Ensure hydrants and water sources are marked, accessible and properly maintained
- Keep hydrants clear of obstructions and vegetation

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Hazardous Features

→ **No notable hazardous features present to hinder fire suppression**

Fire suppression hindered by hazardous features

Recommended Mitigation Strategies

N/A

Local Response Resources

→ **5 miles or less from fire department**

More than 5 miles from fire department

Recommended Mitigation Strategies

N/A

Homeowners Association

→ **HOA has organizational structure for sustained fire prevention and mitigation**

HOA lacks organizational structure for sustained fire prevention and mitigation

Recommended Mitigation Strategies

Host a Community Education Event at least once a year

Complete a Community Risk Mitigation Project

SURROUNDING ENVIRONMENT ASSESSMENT

Predominant Vegetation

- Light
- Medium
- **Heavy**
- Extreme / Slash

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

- > 100 ft. of vegetation treatment from structure(s)
- 71 to 100 ft. of vegetation treatment from structure(s)
- 30 to 70 ft. of vegetation treatment from structure(s)
- **< 30 ft. of vegetation treatment from structure(s)**

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 'fire-free' area 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
- Consider xeriscaping if you are affected by water restrictions
- 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
- Reduce the density of tall trees so canopies do not touch

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 use of sprinkler systems to keep vegetation moisture levels up
- Replace flammable roofs, siding, soffits, etc. with nonflammable when possible

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Slope

Slope 0% - 5%

Slope 6 % - 10%

→ **Slope 11% - 30%**

Slope > 30%

Recommended Mitigation Strategies

- Increase defensible space in areas with steeper slopes

History of Wildfire

No recent History of High Fire Occurrence

→ **Area with History of High Fire Occurrence**

Recommended Mitigation Strategies

- Develop awareness about local fire occurrence history and include education of community residents in a wildfire prevention plan

Topographical Features

No topographical features that adversely affect wildland fire behavior

→ **Topographical features that adversely affect wildland fire behavior**

Recommended Mitigation Strategies

- 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 and no program for fuel management

→ **Adjacent to wildlands with accumulated fuels and no program for fuel management**

Recommended Mitigation Strategies

- When possible, install firebreaks and reduce fuel loads around community boundary to reduce risk from adjacent wildlands

Severe Wind Exposure

→ **Not in an area with regular exposure to severe winds**

Regularly exposed to severe winds that adversely affect fire behavior

Recommended Mitigation Strategies

- N/A

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| Undeveloped Lots with Restricted Access and/or Not Maintained |
|---|
| <p>→ Fewer than 10% of lots are undeveloped</p> <ul style="list-style-type: none">10% to 50% of lots are undeveloped51% to 75% of lots are undevelopedGreater than 75% of lots are undeveloped |
| Recommended Mitigation Strategies |
| <ul style="list-style-type: none"><input type="checkbox"/> Provide FIREWISE construction guidelines to developers /owners<input type="checkbox"/> Consider developing covenant restrictions, if applicable |

STRUCTURE 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

- **No**
Yes

Recommended Mitigation Strategies

- Clear branch, leaf-litter and other debris from roof 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
- Increase defensible space from combustible siding
- 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

- 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

Gutters

Noncombustible

→ **Combustible with leaf litter present**

Recommended Mitigation Strategies

- Keep gutters clear of fine fuels and debris

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

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Windows

Not known

→ **Multi-paned**

Single-paned

Recommended Mitigation Strategies

- Use metal framing or aluminum coverings for wood or vinyl
- Use a fiberglass or metal screen
- Use drapes and shutters that are fire resistant to help reduce the likelihood of fire spread

Gas Utilities

Underground/clearly marked or Not applicable

→ **Above ground/clearly marked with a 30 foot cleared perimeter**

Underground/not marked

Above ground/not marked

Recommended Mitigation Strategies

- Place markers around gas utilities where possible
- Keep vegetation pruned to a minimal level near gas utilities
- When possible, place propane tanks 20' away from home and structures

Electric Utilities

Underground/clearly marked

Overhead with a 20 foot wide maintained right of way

Underground/not marked

→ **Overhead with right of way not maintained**

Recommended Mitigation Strategies

- Keep vegetation pruned and mowed around electric right of ways

COMMENTS

Many homes have parking on road, with home 30-40 feet above road with no access.