

Ignition Zone Hazard Assessment

Overview of the Surrounding Environment.

Location

The GPS coordinates, address, APN#, boundary setbacks and road access to primary structure. All secondary structures identified by location to primary building. Distance to bordering lands and primary buildings within the extended zone identified.

- Narrative
- Recommendations
- Multimedia

Alignment

Alignment of the structure in relation to predominant topographical features such as aspect, flat open areas, ridges, saddles, steep slopes, natural chimneys like steep narrow draws, or small canyons, that will increase the ignition potential of the structure.

- Narrative
- Recommendations
- Multimedia

Local weather influences and trends

Predominant weather conditions, including wind, relative humidity, temperature, and fine fuel moisture content. Trends of drought, stability, or precipitation.

- Narrative
- Recommendations
- Multimedia

Nearby Structures

Structures nearby that can influence fire spread using the same criteria as the primary structure.

- Narrative
- Recommendations
- Multimedia

Neighboring Properties

Neighboring properties that could impact the ignition zone of the property being assessed.

- Narrative
- Recommendations
- Multimedia

Structure's location to greatest potential exposure

Location on the slope relative to the structure's greatest potential exposure to heat from a wildland fire.

- Narrative
- Recommendations
- Multimedia

From Chimney to Eaves.

Chimneys/exhaust systems

Type, condition, and construction of materials.

- Narrative
- Recommendations
- Multimedia

Roof

Type and construction of roofing materials.

- Narrative
- Recommendations
- Multimedia

Condition of roof

Condition of roofing materials and assemblies.

- Narrative
- Recommendations
- Multimedia

Skylights/Openings

Skylights/Openings in roof assemblies.

- Narrative
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Gutters

Roof gutters and areas where exterior walls meet roof or deck surfaces to collect litter on surfaces or in crevices.

Construction materials of gutters, downspouts, and connectors.

- Narrative
- Recommendations
- Multimedia

Eaves

Materials and construction used in eaves of the roof overhangs. Soffits used or not?

- Narrative
- Recommendations
- Multimedia

Top of Exterior Wall to Foundation.

Exterior walls

The materials and construction used in exterior walls and exterior siding.

- Narrative
- Recommendations
- Multimedia

Downspouts and connectors

Materials used for gutter downspouts and connectors on exterior walls.

- Narrative
- Recommendations
- Multimedia

Windows

Materials used in windows and other openings in vertical surfaces.

- Narrative
- Recommendations
- Multimedia

Ventilation Openings

The location size, and screening of ventilation openings.

- Narrative
- Recommendations
- Multimedia

Accessory structure as part of primary

Attached accessory structures as part of the primary structure.

- Narrative
- Recommendations
- Multimedia

Areas of concern for leaf litter and debris

Areas next to or under a structure where combustible materials that present a source of flame exposure to the structure would collect.

- Narrative
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From Foundation to the Immediate Landscaped Area.

The structure assessment shall document the conditions of the following to observe construction and vegetation from the foundation to within 30' (9 m) of the structure as they place the structure in the most risk from ignition by a wildland fire.

Vegetative fuels

Vegetative fuels and other combustible materials adjacent to and within 30 ft (9 m) of the structure for their potential to contribute to the intensity and spread of wildland fire.

- Narrative
- Recommendations
- Multimedia

Heat sources

The presence and location of all heat and flame sources within 30 ft (9 m) of the primary structure.

- Narrative
- Recommendations
- Multimedia

Projections

All projections attached to the primary structure.

- Narrative
- Recommendations
- Multimedia

Detached structures

All detached structures within 30 ft (9 m) of the primary structure that might be ignited by flames, radiant heat, or firebrands from wildland fires.

- Narrative
- Recommendations
- Multimedia

Vehicle parking

Vehicle parking areas within 30 ft (9 m) of any surface of the structure.

- Narrative
- Recommendations
- Multimedia

From the Immediate Landscaped Area to the Extent of the Structure Ignition Zone.

Transitional fuels from immediate zone to the extended zone

The structure assessment shall document vegetation within the area between the outer edge of the immediate landscaped area and the extent of the structure ignition zone as potential fuel that can convey the fire to the structure.

- Narrative
- Recommendations
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Vegetation

The structure assessment shall document the species and location of trees and the separation of tree crowns within the area between the outer edge of the immediate landscaped area and the extent of the structure ignition zone.

- Narrative
- Recommendations
- Multimedia

Heat Sources

The presence and location of all heat and flame sources within the area between the outer edge of the immediate landscaped area and the extent of the structure ignition zone.

- Narrative
- Recommendations
- Multimedia

Detached Structures

Detached structures within the area between the outer edge of the immediate landscaped area and the extent of the structure ignition zone that might be ignited by flames, radiant heat, or firebrands from wildland fires.

- Narrative
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Vehicle Parking

The structure assessment shall document vehicle parking areas within the area between the outer edges of the immediate landscaped area and the extent of the structure ignition zone.

- Narrative
- Recommendations
- Multimedia

Projections

The structure assessment shall document all projections attached to the primary structure that extend beyond the immediate landscaped area.

- Narrative
- Recommendations
- Multimedia

OTHER

Other Factors

Other factors that can affect the risk of ignition or the spread of wildland fire on improved property within the structure ignition zone, including the risk of structure fires spreading to vegetation.

- Narrative
- Recommendations
- Multimedia

Fire Suppression

Fire Department for Location

Type, ISO rating, FHSZ-Fire Hazard Severity Zone, Staffing, Seasonal/full time, Response times, Water supply, Access

- Narrative
- Recommendations
- Multimedia

COMMUNITY

HOA

Firewise

Community Wildfire Protection Plan implementation/duration

- Narrative
- Recommendations
- Multimedia

SUMMARY

Summarizing the findings to identify the greatest immediate threat to structures within the primary building's ignition zone and integrating a mitigation schedule that responds to an immediate, routine, and long-term strategy that is both Firewise and efficient.

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- Recommendations
- Multimedia