

## RedZone Survey

Survey Name: Southern Rockies v2.1

Survey Type: SR PrePlan

Total number of questions: 47

# of Multiple Choice: 38

# of Fill in the Blank: 8

# of Lat/Long: 1

If the question is in the Hazard model, weights are shown in parenthesis after the answer. e.g. Wood (25)

Question: Survey Date (YEAR - MONTH)

Question Type: Fill in the blank

Question: Location (LSD-Sec-Twp-Rge-Mer)

Question Type: Fill in the blank

Question: Owner Name

Question Type: Fill in the blank

Question: Mailing Address

Question Type: Fill in the blank

Question: Phone Number

Question Type: Fill in the blank

Question: Type of structure(s) being surveyed.

Question Type: Multiple Choice

Answers:

- Primary residence
- Seasonal residence
- Outbuilding
- Cabin
- Lodge/Hotel/Camp
- Commercial Facility
- Campground
- Infrastructure facility
- Other

Question: Number of similar structures on this site included in this survey.

Question Type: Multiple Choice

Answers:

- 1
- 2
- 3
- 4
- 5
- 6-10
- >10

Question: Is the structure address clearly visible from the road?

Question Type: Multiple Choice

Answers:

- Yes
- No

Question: Is access to the home gated and locked?

Question Type: Multiple Choice

Answers:

- Yes
- No

Question: Ingress and Egress

Question Type: Multiple Choice

Answers:

- Two or more roads in/out
- One road in/out

Question: Width of Road

Question Type: Multiple Choice

Answers:

- Greater than 7.5m
- Between 6.0 and 7.5m
- Less than 6.0m
- Inaccessible to vehicles.

Question: All-season road condition

Question Type: Multiple Choice

Answers:

- All-weather (2WD), grade < 10%
- All-weather (2WD), grade > 10%
- Dry-weather (4WD), grade < 10%
- Dry-weather (4WD), grade > 10%

Question: Fire Service driveway access

Question Type: Multiple Choice

Answers:

- <=100m with turnaround
- >100m with turnaround
- <100m no turnaround
- >=100m no turnaround

Question: Are bridge weight limits/widths (>25MT/3m) sufficient for structure suppression apparatus?

Question Type: Multiple Choice

Answers:

- Yes
- No
- Unknown
- Not applicable

Question: Placement of gas and electric utilities

Question Type: Multiple Choice

Answers:

- Underground gas and power
- Underground gas, overhead power
- Above ground propane tank, underground power
- Above ground propane tank and power
- None

Question: If present, does propane tank have >3m fuel-free buffer from vegetation/fuels?

Question Type: Multiple Choice

Answers:

- Yes
- No
- Not applicable

Question: Roofing Material

Question Type: Multiple Choice

Answers:

- Metal or tile (0)
- Asphalt (0)
- ULC-rated shakes (0)
- Other non-combustible material (0)
- Unrated wood shakes (30)

Question: Roof Cleanliness

Question Type: Multiple Choice

Answers:

- No combustible material (0)
- Scattered combustible material, <1cm depth (2)
- Clogged gutter, combustible material > 1cm depth (3)

Question: What is the siding material?

Question Type: Multiple Choice

Answers:

- Non combustible stucco or metal siding (0)
- Log, heavy timbers (1)
- Wood, vinyl siding, or wood shake (6)

Question: Eaves, Vents, and Openings

Question Type: Multiple Choice

Answers:

- Closed eaves, vents screened with 3mm mesh and accessible (0)
- Closed eaves, vents not screened with 3mm mesh (1)
- Open eaves, vents not screened, or debris accumulation (6)

Question: Balcony, Decks, or Porches

Question Type: Multiple Choice

Answers:

- None or fire resistant material, sheathed-in (0)

Combustible material, sheathed-in (2)  
Combustible material, not sheathed-in (6)

Question: Window and door glazing

Question Type: Multiple Choice

Answers:

Tempered (0)  
Double-pane - small/medium (1)  
Double-pane - large (2)  
Single-pane - small/medium (2)  
Single-pane - large (4)

Question: Location of woodpiles and combustibles

Question Type: Multiple Choice

Answers:

None or >10m from structure (0)  
<10m from structure (6)

Question: Forest vegetation Zone 1 (<10m)

Question Type: Multiple Choice

Answers:

None or Deciduous (0)  
Mixedwood (30)  
Coniferous Separated (30)  
Coniferous Continuous (30)

Question: Surface vegetation Zone 1 (<10m)

Question Type: Multiple Choice

Answers:

Lawn or non-combustible material (0)  
Wild grass or shrubs (30)  
Dead and down woody material (Scattered) (30)  
Dead and down woody material (Abundant) (30)

Question: Describe the mitigation in Zone 1

Question Type: Multiple Choice

Answers:

Adequate  
Inadequate  
None

Question: Forest vegetation Zone 2 (10-30m)

Question Type: Multiple Choice

Answers:

None or Deciduous (0)  
Mixedwood (10)  
Coniferous – Separated (10)  
Coniferous – Continuous (30)

Question: Surface vegetation Zone 2 (10-30m)

Question Type: Multiple Choice

Answers:

- Lawn or non-combustible material (0)
- Wild grass or shrubs (5)
- Dead and down woody material (Scattered) (30)
- Dead and down woody material (Abundant) (5)

Question: Ladder fuels Zone 2 (10-30m)

Question Type: Multiple Choice

Answers:

- Absent (0)
- Scattered (5)
- Abundant (10)

Question: Forest vegetation Zone 3 (>30m)

Question Type: Multiple Choice

Answers:

- None or Deciduous
- Mixedwood
- Coniferous (Separated)
- Coniferous (Continuous)

Question: Surface vegetation Zone 3 (>30m)

Question Type: Multiple Choice

Answers:

- Lawn or non-combustible material
- Wild grass or shrubs
- Dead and down woody material (Scattered)
- Dead and down woody material (Abundant)

Question: Ladder fuels Zone 3 (>30m)

Question Type: Multiple Choice

Answers:

- Absent
- Scattered
- Abundant

Question: Slope within 50m of the structure?

Question Type: Multiple Choice

Answers:

- 0-10%
- 10-25% Even
- 10-25% Gullied
- >25% Even
- >25% Gullied

Question: Structure setback from edge of slope

Question Type: Multiple Choice

Answers:

- Adequate (0)
- Inadequate (6)

Question: Position of area on the slope

Question Type: Multiple Choice

Answers:

- Valley bottom or lower slope
- Mid-slope
- Upper-slope

Question: What is the predominant aspect around the structure?

Question Type: Multiple Choice

Answers:

- Flat (0-5%)
- North
- East
- South
- West

Question: How many people are normally onsite during fire season

Question Type: Multiple Choice

Answers:

- None
- 1 to 5
- 6 to 10
- 11 to 20
- > 20

Question: Evacuation concerns

Question Type: Multiple Choice

Answers:

- Handicapped (1)
- Seniors (7)
- Children
- Insufficient resident transport
- Difficult access
- Large numbers of livestock
- Other

Question: What items present serious risk to responders?

Question Type: Multiple Choice

Answers:

- Access (1)
- Propane tanks (7)
- Pets
- HazMat
- Poor escape routes/safety zones
- Other

Question: Provide a protection strategy (Rank 4-5)

Question Type: Multiple Choice

Answers:

- Protect onsite
- Retreat and return

No action

Question: What tactics are recommended for value protection? (Rank 4-5)

Question Type: Multiple Choice

Answers:

- Sprinkler (1)
- Foam (7)
- Gel
- Guard construction
- Fuel removal
- Burnout
- Other
- No action

Question: Specific items the homeowner can mitigate

Question Type: Multiple Choice

Answers:

- Post visible address marker (1)
- Improve driveway or access road (7)
- Clean roof and gutters
- Close eaves/screen vents
- Clean under home/decks
- Skirt deck & openings
- Remove firewood/combustibles
- Clear around propane tank
- Mow/rake near home
- Remove forest vegetation around home
- Remove ground/ladder fuels
- General cleanup of property
- Improve onsite water source
- Develop evacuation plan
- Other

Question: Primary onsite water source for firefighters

Question Type: Multiple Choice

Answers:

- Pressurized Hydrant
- Dry hydrant
- Underground tank
- Residential well
- Creek, pond, or lake
- Swimming pool
- Other
- None or not sufficient

Question: Site Hazard

Question Type: Fill in the blank

Question: Additional Notes

Question Type: Fill in the blank

Question: Record the photo time for the digital photo  
Question Type: Fill in the blank