

# Idaho Wildfire Home Protection Zone Evaluation – Agency Form

(Same as the Redzone Software Survey)

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Homeowner Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Parcel#: \_\_\_\_\_

Evaluation Completed By: \_\_\_\_\_ Date: \_\_\_\_\_

1. Was homeowner present and contacted?

- Present and contacted 0 pts
- Not present but contacted 0 pts
- Present but not contacted 0 pts
- Not present or contacted 0 pts

2. Type of Structure

- Primary Residence 0 pts
- Seasonal Residence 0 pts
- Outbuilding – (garage, barn, shed, etc.) 0 pts
- Lodge/Hotel/Camp 0 pts
- Commercial Facility 0 pts
- Campground 0 pts
- Infrastructure Facility 0 pts
- Other \_\_\_\_\_ 0 pts

## Driveway

3. Is the driveway / home addressed with a reflective non-flammable sign?

- Yes 0 pts
- No 5 pts

4. What is the width of the driveway?

- > 12 feet wide 0 pts
- < 12 feet wide 3 pts

5. Turnarounds present?

- Available 0 pts
- Non available 3 pts

6. What is the length of the driveway?

- <150 feet 0 pts
- 151 feet to 1320 feet 2 pts
- > 1320 feet 3 pts

7. What is the driveway surface?

- Concrete or asphalt 0 pts
- Gravel or rock 1 pts
- Dirt or grass 3 pts

8. What is the driveway grade?

- 0 to 5% 0 pts
- 6 to 10% 1 pts
- >10% 3 pts

9. What is the vegetation clearance/ maintenance along driveway?

- >20 ft 0 pt
- 10 to 20 ft 2 pts
- <10ft 5 pts

## Structure and closely associated outbuildings

10. What is the roofing material?

- Metal/Tile/Non-burnable 0 pt
- Composition/Asphalt shingles 0 pt
- Wood Shakes 100 pts

11. Have the roof and gutters been cleaned of debris?

- Yes 0 pts
- No 10 pts

12. Eaves, Vents, and other Openings:

- Closed eaves, vents screened w 1/8" metal (non-vinyl) screen and accessible (0 pts.)
- Closed eaves, vents not screened w 1/8" metal (non-vinyl) screen (5 pts)
- Open eaves, vents not screened (10 pts)

13. What type of siding is used?

- Metal/Brick/Stone/Stucco/Hardy Plank 0 pt
- Treated wood or logs 5 pts
- Vinyl siding or painted wood 8 pts
- Wood/shake (untreated) 10pts

14. Windows:

- Double paned 0 pts
- Single paned 10pts

15. Do windows and doors have 1/8" or smaller metal (non-vinyl) screens attached during the fire season to prevent embers flying into the structure?

- Yes 0 pts
- No 10 pts

16. Structure Recommendations:

- Regularly remove accumulated debris (leaves, needles, and moss) from gutter and roof and prune overhanging limbs. Accumulated debris can cause direct flame to come in contact with your roof 0 pts
- Repair gaps in roofing, these provide openings where embers can collect 0 pts
- Enclose eaves or maintain them so they are clear of combustible material (leaves, needles, nests) 0 pts
- Cover vents with 1/8" or smaller metal (non-vinyl) screen 0 pts
- Consider replacing wood shake shingles and other combustible materials that make up the roof and/or siding with less combustible alternatives during times of routine repair, maintenance, or replacement 0 pts
- None noted 0 pts

17. Decks, Porches and Balconies:

- Not present, or present with fire resistant material, skirted (0 pts.)
- Combustible material, skirted (2 pts.)
- Combustible material, not skirted (6 pts)

18. Storage of firewood and other combustibles:

- None stored within 101 ft of structure 0 pts
- Storage between 31 to 100 ft of structure 2 pts
- Storage within 30 ft of structure 10 pts

19. Is a wood fence attached to the structure?

- Yes 3 pts
- No 0 pt

20. If fuel tanks are present, are they located greater than 10 ft from structures?

- Yes 0 pts
- No 5pts
- Not present 0 pts

21. If fuel tanks are present, is the area clear of burnable vegetation for 10 ft?

- Yes 0 pts
- No 5 pts
- Not present 0 pts

22. Surrounding Area Recommendations:

- Enclose decks and eaves with 1/8" or smaller metal (non-vinyl) screen metal screen and/or maintain a clear non-combustible area underneath 0 pts
- Store firewood and other combustibles a minimum of 30' from your structure 0 pts
- Have propane tanks been installed a minimum of 10' from your structure. Make sure that area around tanks is well maintained to be free of grass and other combustible material. 0 pts
- Cushions on deck furniture are combustible and can be considered a fuels risk. When you are not home and these items are not in use, store them away from your structure. 0 pts
- Remember that lawnmowers, RVs, ATVs and other mechanized equipment often contains gasoline, these items should be stored away from your structure (preferably in an enclosed area) when you are not home and these items are not in use. 0 pts
- None noted 0 pts

**4 ft Zone** (consider each side of the building as 25% of the total)

23. Is there a non-flammable fuel break around the structure?

- All sides of the home have been treated 0 pts
- 3 sides of the home have been treated 5 pts
- 2 sides of the home have been treated 7 pts
- 3 or more sides of the home are untreated 10 pts

24. Is all leaf and litter cast cleaned and removed on a regular basis, so that there is no contact with the siding?

- All sides of the home have been treated 0 pts
- 3 sides of the home have been treated 5 pts
- 2 sides of the home have been treated 7 pts
- 3 or more sides of the home are untreated 10 pts

25. Is all vegetation within this zone restricted to fire resistant species that are well maintained (i.e. irrigated with dead material removed)?

- All sides of the home have been treated 0 pts
- 3 sides of the home have been treated 5 pts
- 2 sides of the home have been treated 7 pts
- 3 or more sides of the home are untreated 10 pts

26. Is landscaping material non-flammable (i.e. rock vs. bark mulch)?

- All sides of the home have been treated 0 pts
- 3 sides of the home have been treated 5 pts
- 2 sides of the home have been treated 7 pts
- 3 or more sides of the home are untreated 10 pts

**30 ft Zone**

27. Is the grass in the zone maintained (i.e. irrigated and mown)?

- All sides of the home have been treated 0 pts
- 3 sides of the home have been treated 5 pts
- 2 sides of the home have been treated 7 pts
- 3 or more sides of the home are untreated 10 pts

28. Is all dead vegetation and ladder fuel removed?
- All sides of the home have been treated 0 pts
  - 3 sides of the home have been treated 5 pts
  - 2 sides of the home have been treated 7 pts
  - 3 or more sides of the home are untreated 10 pts
29. Have trees been pruned to 18 feet? (for small trees prune one third the live crown by volume)
- All sides of the home have been treated 0 pts
  - 3 sides of the home have been treated 5 pts
  - 2 sides of the home have been treated 7 pts
  - 3 or more sides of the home are untreated 10 pts
30. Is shrub spacing 2.5 times shrub height or greater? (i.e. 4 foot shrub; 10 foot spacing)
- All sides of the home have been treated 0 pts
  - 3 sides of the home have been treated 5 pts
  - 2 sides of the home have been treated 7 pts
  - 3 or more sides of the home are untreated 10 pts
31. Have trees been thinned to 15 foot spacing between crowns?
- All sides of the home have been treated 0 pts
  - 3 sides of the home have been treated 5 pts
  - 2 sides of the home have been treated 7 pts
  - 3 or more sides of the home are untreated 10 pts

### **30 to 100 ft Zone**

32. Is all dead vegetation and ladder fuel removed?
- All sides of the home have been treated 0 pts
  - 3 sides of the home have been treated 5 pts
  - 2 sides of the home have been treated 7 pts
  - 3 or more sides of the home are untreated 10 pts
33. Have trees been pruned to 10 feet? (for small trees prune one third the live crown by volume)
- All sides of the home have been treated 0 pts
  - 3 sides of the home have been treated 5 pts
  - 2 sides of the home have been treated 7 pts
  - 3 or more sides of the home are untreated 10 pts
34. Is shrub spacing 2.5 times shrub height or greater? (example: 4 foot shrub; 10 foot spacing)
- All sides of the home have been treated 0 pts
  - 3 sides of the home have been treated 5 pts
  - 2 sides of the home have been treated 7 pts
  - 3 or more sides of the home are untreated 10 pts
35. Have trees been thinned to 10 foot spacing between crowns?
- All sides of the home have been treated 0 pts
  - 3 sides of the home have been treated 5 pts
  - 2 sides of the home have been treated 7 pts
  - 3 or more sides of the home are untreated 10 pts
36. Calculated Management Zone Rating (CMZ) \_\_\_\_\_ This rating is defined as the probability of a homeowner's structure survivability without personnel (homeowner, wildland firefighters, or structural firefighters) present to protect an individual's property during a wildfire event.
37. Calculated Management Zone Class
- Low 0-40 pts
  - Moderate 41-100 pts
  - High > 100 pts

**Other important discussion prompts (these questions won't be used to determine the CMZ)**  
**- all are 0 pts**

38. Is there more than one ingress/egress route to the structure?
- Yes 0 pts
  - No 0 pts
39. Aspect of topographic features surrounding the structure?
- N
  - NE
  - NW
  - E
  - W
  - S
  - SE
  - SW
  - Flat
40. Overall slope of the area within 300 ft of the house.
- 0-10%
  - 11-20%
  - 21-30%
  - >30%
41. Other dangerous topographic features present within 300 feet of structure:
- Midslope
  - Steep draws/ravines
  - Box canyon (chimney)
  - Ridgetop
  - None present
42. Location of septic tank from home site:
- North
  - South
  - West
  - East
  - None present
43. Type of utility lines:
- Underground electrical
  - Above ground electrical w/ ROW maintained
  - Above ground w/ poorly maintained ROW
  - None present
44. Are bridges accessing the private property?
- Present and rated
  - Present and unrated
  - None present
45. Are there gates accessing the private property?
- Gates with locks present
  - Gates with no locks present
  - No gates present
46. Is the structure within a structural fire protection district?
- Yes
  - No

47. Describe the water supply available to responding fire trucks.
- Pond or stream is accessible and available for drafting
  - Pond or stream is available for drafting with a portable pump.
  - 12' diameter by 36" depth pool (1800 gallons) or larger filled with water
  - 2000 Gallon reservoir – may be required in some jurisdictions
  - Private well (25 gallons/minute or greater)
  - Fire Hydrant
  - No reliable water supply present
48. Describe the location of any heating fuel shutoff in relation to home site.
- North
  - East
  - South
  - West
  - None present
49. Describe the location of the electrical power shutoff in relation to home site.
- North
  - East
  - South
  - West
  - None present
50. What items present serious risks to responders?
- Access
  - Poor escape routes/safety zones
  - Propane tanks
  - Medical oxygen
  - Pets
  - Livestock
  - Hazardous materials
  - Dynamite or blasting caps
  - Other (please list) \_\_\_\_\_
  - None
51. How many buildings are located on the residential site (including outbuildings)?
- 1
  - 2
  - 3
  - 4
  - 5
  - 6 to 10
  - >10

52. Record the photo number(s) \_\_\_\_\_

53 Additional notes:

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The above information can be compiled and summarized by a RedZone or GIS software program. This program is encouraged but not required. However, all parties conducting home site evaluations across the state are encouraged to use this form to promote consistency at a statewide level.