



Arkansas Forestry Commission

Wildland Fire Risk Assessment Form

(Circle the most appropriate element in each category and total the points)

Homeowner: _____ County: _____
 Address: _____ City: _____ Zip: _____

Element **Assessed Points**

A. Means of Access

- 1. Ingress and egress
 - a. Two or more roads in/out 0
 - b. One road in/out 7
- 2. Road width
 - a. ≥ 24 ft. 0
 - b. 20 to 24 ft. 2
 - c. < 20 ft. 4
- 3. All-season road condition
 - a. Surfaced road, grade < 5% 0
 - b. Surfaced road, grade > 5% 2
 - c. Non-surfaced road, grade < 5% 2
 - d. Non-surfaced road, grade > 5% 5
 - e. Other than all-season 7
- 4. Fire Service Access
 - a. ≤ 300 ft. with turnaround 0
 - b. > 300 ft. with turnaround 2
 - c. < 300 ft. with no turnaround 4
 - d. ≥ 300 ft. with no turnaround 5
- 5. Street signs and home address numbers
 - a. Present: 4 in. in size and reflectorized 0
 - b. Not present 5

B. Vegetation

- 1. Characteristics of predominate vegetation within 300 ft.
 - a. Light (grasses, forbs, sawgrasses and tundra) 5
 - b. Medium (light brush and small trees) 10
 - c. Heavy (dense brush, timber and hardwoods) 20
 - d. Slash (timber harvesting residue) 25
- 2. Defensible space
 - a. More than 100 ft. of vegetation treatment from the structure(s) 0
 - b. 71 – 100 ft. of vegetation treatment from the structure(s) 3
 - c. 30 – 70 ft. of vegetation treatment from the structure(s) 10
 - d. <30 ft. of vegetation treatment from the structure(s) 25

C. Topography within 300 ft. of structure(s)

- 1. Slope < 9% 1
- 2. Slope 10% to 20% 4
- 3. Slope 21% to 30% 7
- 4. Slope 31% to 40% 8
- 5. Slope > 41% 10

Hazard Rating	Total Points
1. Low hazard	< 40
2. Moderate hazard	40 - 69
3. High hazard	70 - 112
4. Extreme hazard	> 112

Source: NFPA 1144 Standard for the Protection of Life and Property from Wildfire, 2002 edition, NFPA, Quincy, MA

Element **Assessed Points**

D. Additional Rating Factors (rate all that apply)

- 1. Topographical features that adversely affect wildland fire behavior 0 1 2 3 4 5
- 2. Areas with a history of higher fire occurrence than surrounding areas due to special situations (e.g. Heavy lightning, railroads, escaped debris burning, malicious burning) 0 1 2 3 4 5
- 3. Areas that are periodically exposed to unusually severe fire weather and strong dry winds 0 1 2 3 4 5
- 4. Separation of adjacent structures that may contribute to fire spread 0 1 2 3 4 5

E. Roofing Assembly

- 1. Class A roof (rated in good condition) 0
- 2. Class B roof (rated in fair condition) 3
- 3. Class C roof (rated in poor condition) 15
- 4. Nonrated (wood shake shingles) 25

F. Building Construction

- 1. Materials (predominate)
 - a. Noncombustible/fire-resistive siding, eaves and decks 0
 - b. Noncombustible/fire-resistive siding, combustible deck 5
 - c. Combustible siding and deck 10
- 2. Building setback relative to slopes > 30%
 - a. ≥ 30 ft. to slope 0
 - b. < 30 ft. to slope 5

G. Available Fire Protection

- 1. Water source availability
 - a. Pressurized water source availability
 - (1) 500 gpm hydrants ≤ 1000 ft. apart 0
 - (2) 250 gpm hydrants ≤ 1000 ft. apart 1
 - b. Non-pressurized water source availability (off site)
 - (1) ≥ 250 gpm continuous for 2 hours 3
 - (2) < 250 gpm continuous for 2 hours 5
 - c. Water unavailable 10
- 2. Organized response resources
 - a. Station ≤ 5 mi. from structure 0
 - b. Station > 5 Mi. from structure 3
- 3. Fixed fire protection
 - a. NFPA 13, 13R, 13D sprinkler system 0
 - b. None 5

H. Placement of Gas and Electric Utilities

- 1. Both utilities underground 0
- 2. One underground and one aboveground 3
- 3. Both aboveground 5

Totals for Home or Subdivision

(Total of circled points) _____

Hazard Rating: _____

Raters: _____

Fire Department: _____

Date: _____