

South Carolina's Wildfire Hazard & Risk Assessment Scoresheet

** This document is based upon the NFPA 1144

DIRECTIONS

Assign a value to the most appropriate element in each category and place the number of points in the box on the right.

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. Greater than or equal to 24 feet (7.3 m)	0	
b. Greater than or equal to 20 feet (6.1 m) and less than 24 feet (7.3 m)	2	
c. Less than 20 feet (6.1 m)	4	

3. All-season road condition

a. Surfaced road, grade is less than or equal to 5%	0	
b. Surfaced road, grade is greater than 5%	2	
c. Non-surfaced road, grade is less than or equal to 5%	3	
d. Non-surfaced road, grade is greater than 5%	5	
e. Other than all-season	7	

4. Fire service access (road length)

a. Majority of dead-end roads are less than or equal to 300 feet long (91.4 m)	0	
b. Majority of dead-end roads are greater than 300 feet (91.4 m)	5	

5. Fire service turnaround capability

a. Turnarounds or cul-de-sacs are present with a radius greater than or equal to 50 feet	0	
b. Turnarounds or cul-de-sacs have a radius less than 50 feet	2	
c. No turnarounds or cul-de-sacs present	5	

6. Street signs

a. Present, 4 inches (102 cm) in size and reflective	0	
b. Present, but wooden and/or non-reflective	3	
c. Not present	5	

B. Vegetation (fuel models)

1. Characteristics of predominate vegetation within 300 feet (91.4 m)

a. Light (eg, grasses, herbaceous plants, sawgrasses, and bay vegetation) NFDRS Fuel Models A, C, L, N, S, and T	5	
b. Medium (eg, light brush and small trees) NFDRS Fuel Models D, E, F, H, P,Q, and U	10	
c. Heavy (eg, dense brush, timber, and hardwoods) NFDRS Fuel Models B, G, and O	20	
d. Slash (eg, timber harvesting residue) NFDRS Fuel Models J,K, and L	25	

2. Defensible space

a. More than 100 feet (30.48 m) of vegetation treatment from the structure(s)	1	
b. 71 - 100 feet (21.6 m to 30.48 m) of vegetation treatment from the structure(s)	3	
c. 30 - 70 feet (9.14 m to 21.3 m) of vegetation treatment from the structure(s)	10	
d. Less than 30 feet (9.14 m) of vegetation treatment from the structure(s)	25	

C. Topography within 300 feet (9.1 m) of structure(s)

1. Slope

a. Slope is less than or equal to 9%	1	
b. Slope 10% to 20%	4	
c. Slope 21% to 30%	7	
d. Slope 31% to 40%	8	
e. Slope is greater than 41%	10	

D. Additional Rating Factors (rate all that apply)

1. Miscellaneous

a. Topographical features that adversely affect wildland fire behavior	0-5	<input type="text"/>
b. Areas with a history of higher fire occurrence than surrounding areas due to special situations (lightning, railroads, escaped debris burning, and arson)	0-5	<input type="text"/>
c. Areas that are periodically exposed to severe fire weather and strong dry winds	0-5	<input type="text"/>
d. Separation of adjacent structures that can contribute to fire spread	0-5	<input type="text"/>

E. Roofing Assembly

1. Roof composition of the majority of homes

a. Class A roof	0	<input type="text"/>
b. Class B roof	3	
c. Class C roof	15	
d. Non-rated	25	

F. Building Construction

1. Building construction of homes, siding, eaves, and deck

a. Noncombustible/fire-resistant siding, eaves, and deck	0	<input type="text"/>
b. Noncombustible/fire-resistant siding, eaves and combustible deck	5	
c. Combustible siding, eaves, and deck	10	

2. Building setback relative to slopes of 30% or more

a. Not applicable	0	<input type="text"/>
b. Greater than or equal to 30 feet (9.14 m) to slope	1	
c. Less than 30 feet (9.14 m) to slope	5	

G. Available Fire Protection

1. Water source availability

a. Pressurized water source availability - 500 gpm (1892.7 L/min) hydrants less than or equal to 1000 feet apart	0	<input type="text"/>
b. Pressurized water source availability - 250 gpm (946.4 L/min) hydrants less than or equal to 1000 feet apart	1	
c. Non-pressurized water source (off site)- greater than or equal to 250 gpm (946.4 L/min) continuous for 2 hours	3	
d. Non-pressurized water source (off site) - less than 250 gpm (946.4 L/min) continuous for 2 hours	5	
e. Water unavailable	10	

2. Organized response resources

a. Nearest station is less than or equal to 5 miles (8 km) from structure(s)	1	<input type="text"/>
b. Nearest station is greater than 5 miles (8 km) from structure(s)	5	

3. Fixed fire protection

a. Outdoor sprinkler system	1	<input type="text"/>
b. NFPA 13, 13R, 13D indoor sprinkler system	3	
c. None	5	

H. Placement of Gas and Electric Utilities

1. Placement of utilities

a. Both underground	0	<input type="text"/>
b. One underground, one aboveground	3	
c. Both aboveground	5	

I. Totals for Home or Subdivision (total of all points)

Hazard Assessment	Total Points
Low	< 40
Moderate	40-69
High	70-112
Extreme	> 112