

# Appendix C – NFPA-299 Hazard Rating Form

Wildfire Hazard Severity Form Checklist    NFPA 299

This form may be used for individual houses or larger areas like developments or other types of applications.

**Name of area or address receiving assessment**

A. Subdivision Design	Points	House or area	Notes
<b>1. Ingress and egress</b>			
Two or more roads in/out	0		
One road in/out	7		
<b>2. Road width</b>			
Greater than 24 feet	0		
Between 20 and 24 feet	2		
Less than 20 feet wide	4		
<b>3. All-season road condition</b>			
Surfaced, grade < 5%	0		
Surfaced, grade > 5%	2		
Non-surfaced, grade < 5%	2		
Non-surfaced, grade > 5%	5		
Other than all-season	7		
<b>4. Fire service access</b>			
< = 300ft, with turnaround	0		
> = 300ft, with turnaround	2		
< = 300ft, no turnaround	4		
> = 300ft, no turnaround	5		
<b>5. Street signs</b>			
Present (4 in. in size and reflective)	0		
Not present	5		
<b>B. Vegetation ( Fuel Models)</b>			
<b>1. Predominant vegetation</b>			
Light ( grasses, forbs )	5		
Medium ( light brush and small trees)	10		
Heavy ( dense brush, timber, and hardwoods)	20		
Slash ( timber harvest residue)	25		
<b>2. Defensible space</b>			
More than 100 ft of treatment from buildings	1		
More than 71 -100 ft of treatment from buildings	3		
30-70 ft of treatment from buildings	10		
Less than 30 feet	25		
<b>C. Topography</b>			
<b>1. Slope</b>			
Less than 9%	1		
Between 10-20%	4		
Between 21-30%	7		
Between 31-40%	8		
Greater than 41%	10		

**Totals for this page**

<b>D. Additional Rating Factors</b>	Points	House or area	Notes
1. Topography that adversely affects wildland fire behavior	0 - 5		
2. Area with history of higher fire occurrence	0 - 5		
3. Areas of unusually severe fire weather and winds	0 - 5		
4. Separation of adjacent structures	0 - 5		
<b>E. Roofing Materials</b>			
1. Construction material			
Class A roof ( metal, tile)	0		
Class B roof ( composite)	3		
Class C roof ( wood shingle)	15		
Non-rated	25		
<b>F. Existing Building Construction</b>			
1. Materials ( predominant)			
Noncombustible siding/ deck	0		
Noncombustible siding/ wood deck	5		
Combustible siding and deck	10		
2. Setback from slopes > 30%			
More than 30 feet to slope	1		
Less than 30 feet to slope	5		
Not applicable	0		
<b>G. Available Fire Protection</b>			
1. Water source availability ( on site)			
500 gpm pressurized hydrants < 1000ft apart	0		
250 gpm pressurized hydrants < 1000ft apart	1		
More than 250 gpm non-pressurized, 2 hours	3		
Less than 250 gpm non-pressurized, 2 hours	5		
No hydrants available	10		
2. Organized response resources			
Station within 5 miles of structure	1		
Station greater than 5 miles	3		
3. Fixed fire protection			
Sprinkler system (NFPA 13, 13R, 13D)	0		
None	5		
<b>H. Utilities ( Gas and Electric</b>			
1. Placement			
All underground utilities	0		
One underground, one aboveground	3		
All aboveground	5		
<b>Totals for this page</b>			
<b>I. Totals for Risk Assessments</b>			
<b>Totals for page 1 and 2</b>			
1. Low Hazard:	< 39 points		
2. Moderate Hazard:	40-69 points		
3. High Hazard:	70-112 points		
4. Extreme Hazard:	113 > points		
Census Data			
Track number			
Block group number			
Block number (s)			