



WEST VIRGINIA DIVISION OF FORESTRY FIREWISE WEST VIRGINIA PROGRAM WOODLAND HOME WILDFIRE HAZARD ASSESSMENT



Homeowner Name, Address & Phone:		Occupancy Status:		Property ID (Lot No.):	
Community Name & Location (if applicable):		Structure Type:		County:	
Evaluator Name(s):		Evaluation Date:		Photo(s) Taken:	
GPS Filename (if applicable):	Datum Used:	Latitude:	Easting:		
		Longitude:	Northing:		

Evaluate the home by considering site hazard, structure hazard and hazard reduction factors. Enter the appropriate rating for each factor, and calculate the category subtotal. Enter the County HVRP rating and calculate the overall Wildfire Hazard Rating for the property; using this value, mark the associated risk/hazard level. Be sure to mark what actions were taken at the time of evaluation. NOTE: If completing form electronically, some values will be automatically calculated.

SITE HAZARD RATING:	Rating		Rating	
ACCESS AND VISIBILITY: Can emergency personnel find and access this home?		Use best judgment in estimating these factors - actual measurements are not required.	GROUND COVER: Choose the primary type ground cover within 30' of the home.	
Driveway < 150 feet long	(0)		Sand, gravel, etc. (non-combustible)	(0)
Driveway > 150 feet with adequate turnaround	(3)		Grasses, up to 6" tall (established yard)	(3)
Driveway > 150 feet with inadequate turnaround	(5)		Grasses over 6" tall (broomsedge, heavy weeds, etc.)	(10)
Average driveway width more than 12 feet	(0)		Herbaceous understory or forest leaf litter	(15)
Average driveway width less than 12 feet	(5)		Shrubs w/leaves (include creeping or spreading, i.e. ground ivy)	(5)
No overhead branches below 14 feet high	(0)		Shrubs w/needles (creeping/spreading, i.e. spreading juniper)	(7)
Obstructing overhead branches below 14 feet	(5)		SLOPE OF PROPERTY: What is the average slope around the structure(s)?	
No bridges or bridges with no restrictions	(0)		Gradual (0 - 10%)	(0)
Inadequate surface/bridges for emergency vehicles	(5)		Moderate (11 - 30%)	(5)
Road grade level or less than 10%	(0)		Steep (over 30%)	(10)
Road grade over 10%	(5)		FIREWOOD, DEBRIS OR COMBUSTIBLES: Where are fuel 'jackpots' located?	
No gate/non-locking gate	(0)		None	(0)
Locked gate restricting access	(5)		Include firewood piles, brush piles, stored lumber, outdoor furniture, etc. Located more than 30' from structure	(1)
Address visible from road (on house/end of drive)	(0)		Located 3' to 30' from structure	(5)
Address not visible from the road or not found	(5)		Located 0 to 3 feet from structure	(10)
SURROUNDING TREES: Choose the predominant tree type within 30' of the home.			FLAMMABLE MATERIALS: Where are highly flammable materials stored?	
No trees within 30 feet	(0)		None/Unknown	(0)
Hardwoods (trees with deciduous leaves)	(4)		Include gas cans, gas grills, lawnmowers, pesticides, etc. Located more than 30' from structure	(1)
Mixed (Hardwoods and Conifers/Evergreens)	(7)		Located 3' to 30' from structure	(5)
Conifers/Evergreens (non-deciduous)	(10)	Located 0 to 3 feet from structure	(10)	
LADDER FUELS: Can fire spread from surface to aerial fuels?		OTHER POTENTIAL HAZARDS: Are there any external fire hazards present?		
Include low limbs, underbrush, vines, etc.	No (0) Yes (5)	Include outbuildings, LP gas storage tanks, etc. within 30 feet of the structure	No (0) Yes (5)	
FUEL CONNECTION: Are ground fuels touching or within 3 feet of the home?		TOTAL SITE HAZARD RATING		
Include ornamental shrubs, leaves, grass, weeds, mulch beds, etc.	No (0) Yes (5)			

STRUCTURE HAZARD RATING:	Rating
ROOFING MATERIALS: What is the roof covering of the home?	
Metal, Slate, Tile or Class A Shingles	(0)
Roll roofing or non-rated roof material	(5)
Wood (cedar shingles or shakes)	(15)
FOUNDATION: What type of foundation does the home have?	
Enclosed (fireproof, i.e. concrete, metal)	(0)
Enclosed with wood or vinyl sheeting	(5)
Open-air foundation (piers, stilts, etc.)	(10)
EXTERIOR WALLS: What is the predominant outer wall covering of the home?	
*Evaluator option to zero out the Total Structure Hazard Rating value	*Brick, Stone or Metal (0)
	Vinyl or Wood (5)
VENTS AND EAVES: Are these areas protected from flying embers?	
Enclosed with plastic or metal screens	(0)
Exposed wood, open soffits/fascia, or unscreened vents	(5)
ATTACHMENTS: Are there any attachments to the structure(s)?	
Include decks, overhangs, fences, trellises, etc.	No (0)
	Yes (5)
FUEL TRAPS: Any areas where leaves/debris can accumulate?	
Include window wells, under steps, foundation indents, etc.	No (0)
	Yes (5)
TOTAL STRUCTURE HAZARD RATING	

Use best judgment in estimating these factors - actual measurements are not required.

HAZARD REDUCTION FACTORS: (choose all that apply)	Rating
SITE	
Trees pruned up 6 feet within 30' of the home	(-1)
Grass kept watered and short within 30' of the home	(-1)
Leaves/needles raked within 30 feet of the home	(-2)
3 feet of gravel or non-flammable material next to structure	(-3)
STRUCTURE	
Regularly cleaned roof and gutters	(-1)
Deck skirting non-flammable/screened behind to keep out debris	(-3)
OTHER	
Firefighting equipment available (hose, ladder, rake, etc.)	(-1)
Useable water supply nearby (pool, pond, hydrant, etc.)	(-3)
TOTAL HAZARD REDUCTION FACTORS	(-)

CALCULATING THE WILDFIRE HAZARD RATING

COUNTY HVRP RATING	SITE HAZARD RATING	STRUCTURE HAZARD RATING	HAZARD REDUCTION FACTORS	OVERALL WILDFIRE HAZARD RATING
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County Ratings from WV Wildfire HVRP* Project (Scale 1 to 5):
Berkeley (Extreme) [5]
Grant (Extreme) [5]
Hampshire (High) [3]
Hardy (Very High) [4]
Jefferson (Very High) [4]
Mineral (Very High) [4]
Monongalia (Very High) [4]
Morgan (Very High) [4]
Pendleton (Moderate) [2]
Pocahontas (High) [3]
Tucker (Moderate) [2]

*Note modifications to Hazard Ratings, recommendations, etc.

What does the Wildfire Hazard Rating number mean?	
<i>Using the Wildfire Hazard Assessment, the highest possible rating is 150 points. Homes in the wildland/urban interface can be divided into the following four risk/hazard categories. The evaluator's judgment of this home's rating is indicated below:</i>	
LOW	Total Wildfire Hazard Rating 30 points or under
MODERATE	Total Wildfire Hazard Rating is 31 - 60 points
HIGH	Total Wildfire Hazard Rating is 61 - 90 points
VERY HIGH	Total Wildfire Hazard Rating is 91 - 120 points
EXTREME	Total Wildfire Hazard Rating is over 120 points
Evaluator Action(s):	Discussed results with homeowner/occupant
	Firewise literature left at home
	Other:

*Statewide Assessment on Wildfire Hazard, Value, Risk and Protection, WVDOF 2004.

COMPLETING THE WOODLAND HOME WILDFIRE HAZARD ASSESSMENT FORM

WVDOF-FW-02-3 (Rev 02/11)

PROPERTY INFORMATION BLOCKS

Homeowner Name/Address/Phone:	Self-explanatory
Community Name/Location:	Enter the name of the community (if applicable) and its geographic location
Evaluator Name(s):	Enter the names of the personnel that completed this form
Occupancy Status:	Enter whether Permanent, Seasonal, Weekend, Rental, etc.
Structure Type:	Enter whether Single House, Multi (Condo), Storage, Garage, etc.
Evaluation Date:	Self-explanatory
Property ID (Lot No.):	Enter the Lot Number or Identifier, street address, etc.
County:	Self-explanatory
Photo(s) Taken:	Were there photos taken? If digital, write down the picture numbers
GPS Filename (if applicable):	If collecting GPS data on this property, write down the filename or waypoint name
Datum Used:	If collecting GPS data, indicate the Datum used (NAD 1983, WGS 1984)
Latitude:	If using Lat/Long, write down the Latitude in DD-MM-SS North format
Longitude:	If using Lat/Long, write down the Longitude in DDD-MM-SS West format
Easting:	If using UTM's, write down the Easting in 6-digit (XXXXXX E) format
Northing:	If using UTM's, write down the Northing in 7-digit (XXXXXXX N) format

HAZARD RATING SECTIONS OF THE FORM SHOULD BE EASY TO UNDERSTAND

One special note:	Under the Structure Hazard Rating section, Exterior Walls: If the home is made of brick, stone or metal, you may 'zero out' this entire category if desirable
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CALCULATING THE WILDFIRE HAZARD RATING (MANUALLY)

County HVRP Rating:	Enter the number value for the county you are in, or see the HVRP Map
Site Hazard Rating	Enter the number calculated from the category
Structure Hazard Rating	Enter the number calculated from the category
Hazard Reduction Factors	Enter the number to subtract for mitigation measures taken
Overall Wildfire Hazard Rating	The total of all categories, minus the reduction factor

CHECKING THE HAZARD RATING LEVEL

Checking the appropriate box next to the rating level based on the total score
Enter a check or "X" in the appropriate boxes indicating your actions

NOTES BOX

Use this block to make any notes regarding special items seen, recommendations for improvement,
and any modifications you made to the scores (ex. Zeroed out the Structure Rating due to brick)

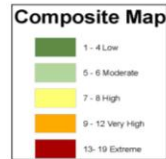
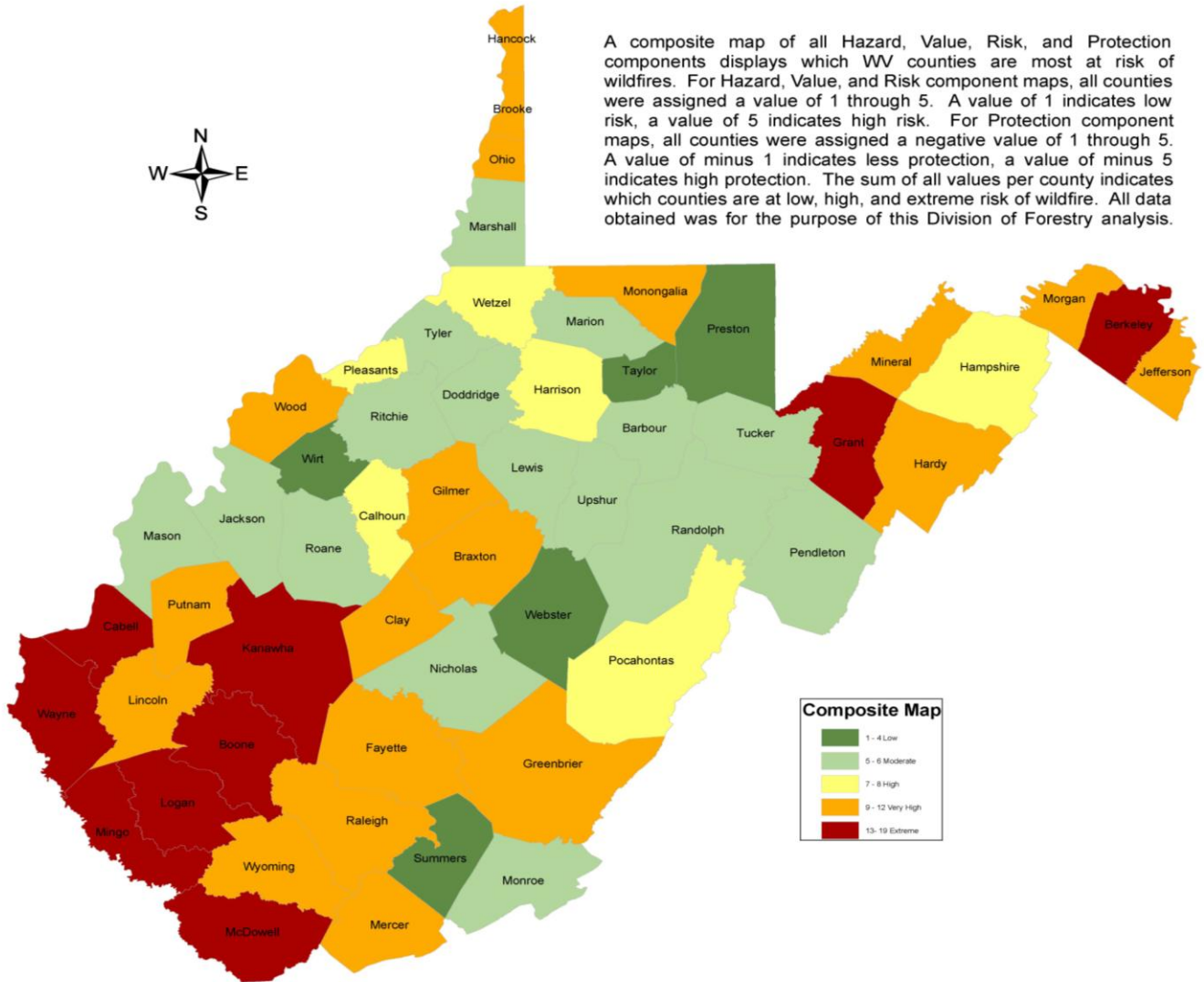
Problems? Contact:

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P.O. Box 40
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West Virginia Division of Forestry Wildfire Hazard - Values - Risk - Protection



A composite map of all Hazard, Value, Risk, and Protection components displays which WV counties are most at risk of wildfires. For Hazard, Value, and Risk component maps, all counties were assigned a value of 1 through 5. A value of 1 indicates low risk, a value of 5 indicates high risk. For Protection component maps, all counties were assigned a negative value of 1 through 5. A value of minus 1 indicates less protection, a value of minus 5 indicates high protection. The sum of all values per county indicates which counties are at low, high, and extreme risk of wildfire. All data obtained was for the purpose of this Division of Forestry analysis.



Prepared by:
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