Wildfire Ready

Training for Washington CD staff and partners utilizing FEMA Hazard Mitigation Grant Funds

Mike Baden, NE Regional Manager

NASCA 2021

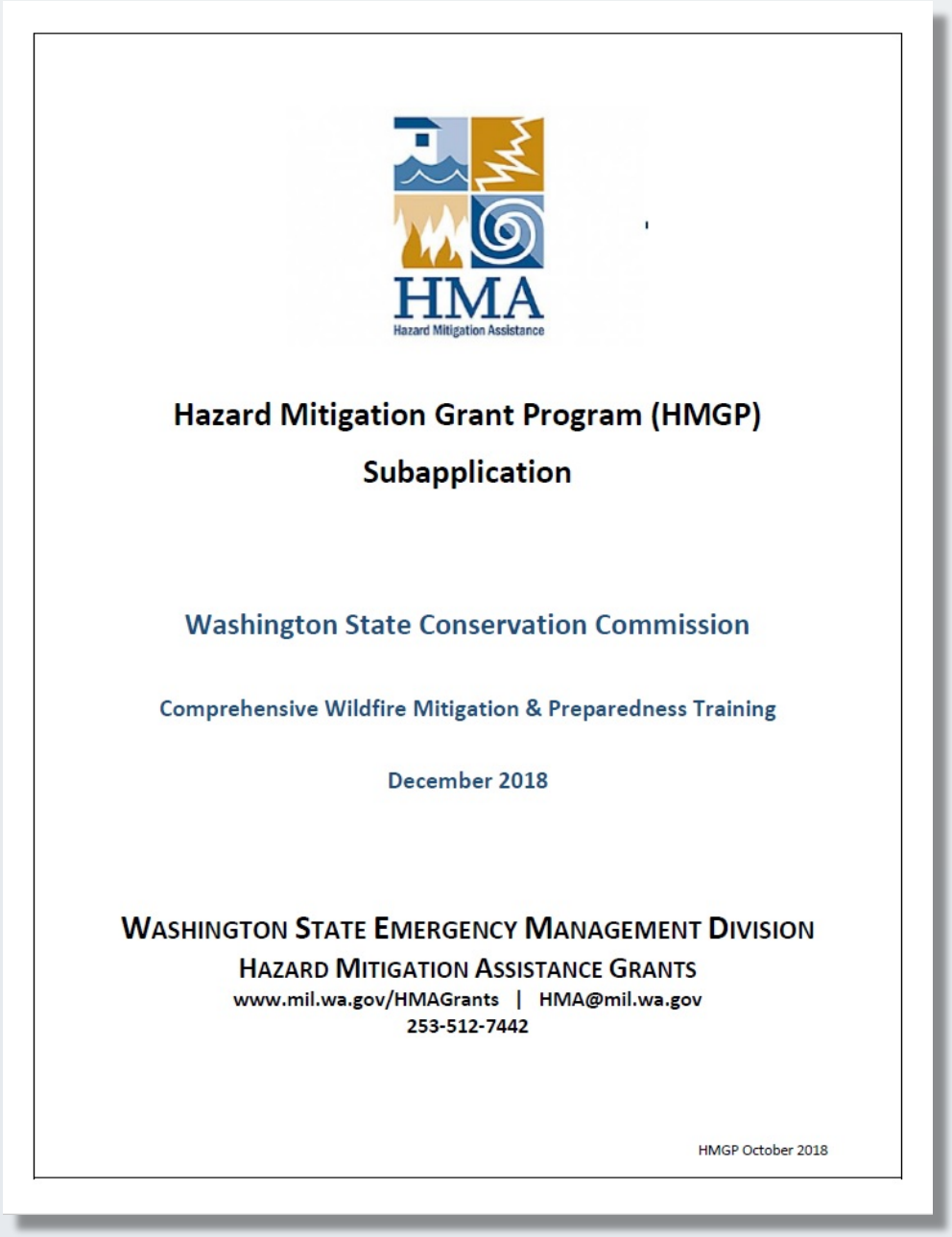
Washington State Conservation Commission

Hazard Mitigation Grant Activities

- Assessing Structure Ignition Potential from Wildfire (ASIP) – 7 trainings
- World of Wildfire: Post Fire Risk Mitigation and Assessment Training – 1 training
- Outreach Strategies for Community Wildfire Preparedness and Recovery – 2 trainings
- Home Ignition Zone Site Assessments

Hazard Mitigation Grant Trainings

- Applied for the FEMA HMGP grant late 2018
- Signed contract in May 2020
- $259,243 total cost – 12.5% local match required
- Trainings were originally intended to be in person starting in the fall of 2020
- Then……COVID required trainings be adapted to virtual
- First trainings occurred in spring of 2021


HMA
Hazard Mitigation Assistance

Hazard Mitigation Grant Program (HMGP)

Subapplication

Washington State Conservation Commission

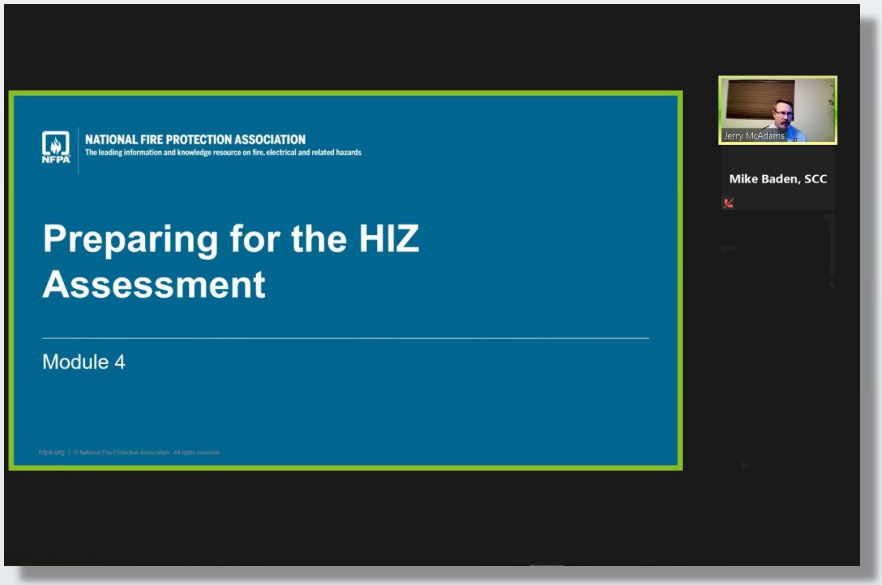
Comprehensive Wildfire Mitigation & Preparedness Training

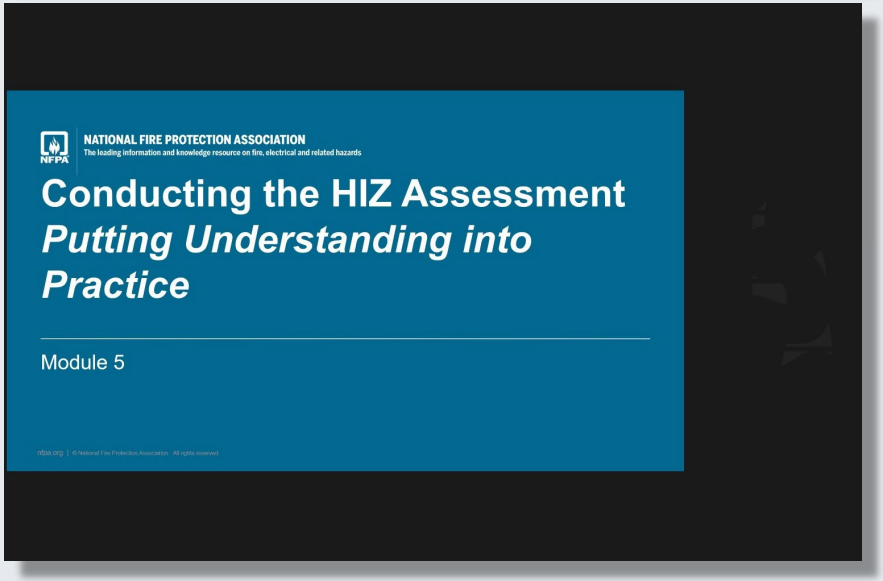
December 2018

WASHINGTON STATE EMERGENCY MANAGEMENT DIVISION
HAZARD MITIGATION ASSISTANCE GRANTS
www.mil.wa.gov/HMAGrants | HMA@mil.wa.gov
253-512-7442

HMGP October 2018

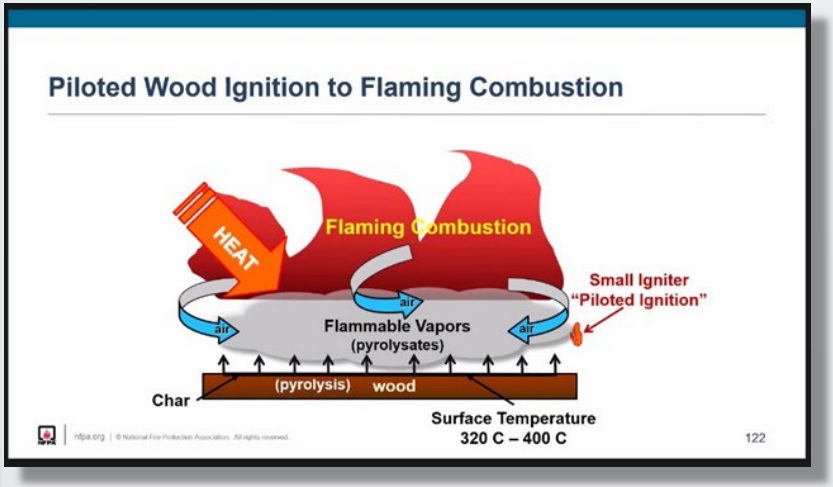
Assessing Structure Ignition Potential from Wildfire (ASIP)

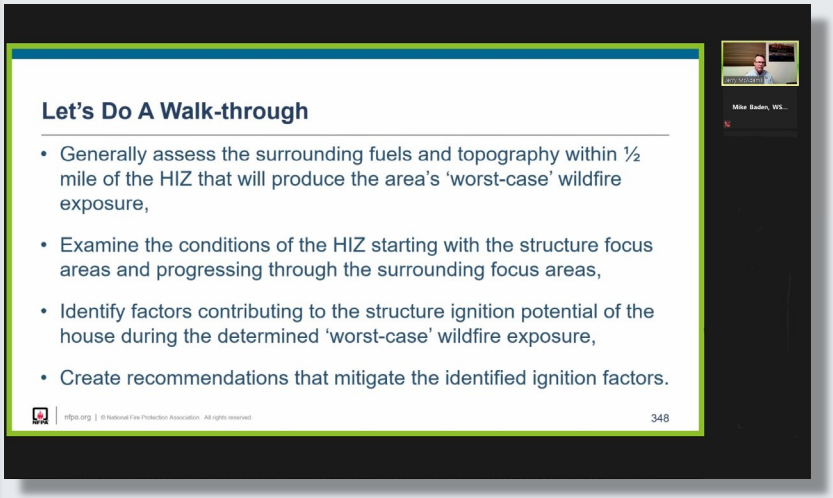




Assessing Structure Ignition Potential from Wildfire (ASIP)

Module 1: Introduction and Context
Upon completion of this module participants should be able to: • Establish a historical context of wildfires associated with home destruction • Establish an ecological context of wildland fire occurrence • Appropriately define the WU fire problem to guide an effective approach for preventing WU fire disasters
Module 2: Wildland-Urban Fire Characteristics – How the Disaster Occurs
Upon completion of this module participants should be able to: • Show the residential patterns resulting from extreme wildland-urban (WU) fire conditions • Describe how WU fire disasters occur • Discuss the implications of how home destruction occurs and the opportunities for effective WU mitigation
Module 3: Home Ignition and the Home Ignition Zone (HIZ)
Upon completion of this module participants should be able to: • Understand the basic fire science of how home ignitions can occur • Given an understanding of ignition, fire, and heat transfer, assess home ignition potential
Module 4: Preparing for the HIZ Assessment
Upon completion of this module participants should be able to: • Organize the HIZ to systematically evaluate structure vulnerabilities • Learn about how home ignitions occur from actual examples
Module 5: Conducting the HIZ Assessment -- *Putting Understanding into Practice*
Upon completion of this module participants should be able to: • Examine structures to identify and assess wildfire ignition vulnerabilities • Develop recommendations for mitigating ignition vulnerabilities and reducing ignition potential during extreme wildfires
Module 6: Benefits of Ignition Resistant Structures
Upon completion of this module participants should be able to: • Discuss benefits due to ignition resistant homes for fire protection, life safety, wildfire suppression costs, and proactive fire management





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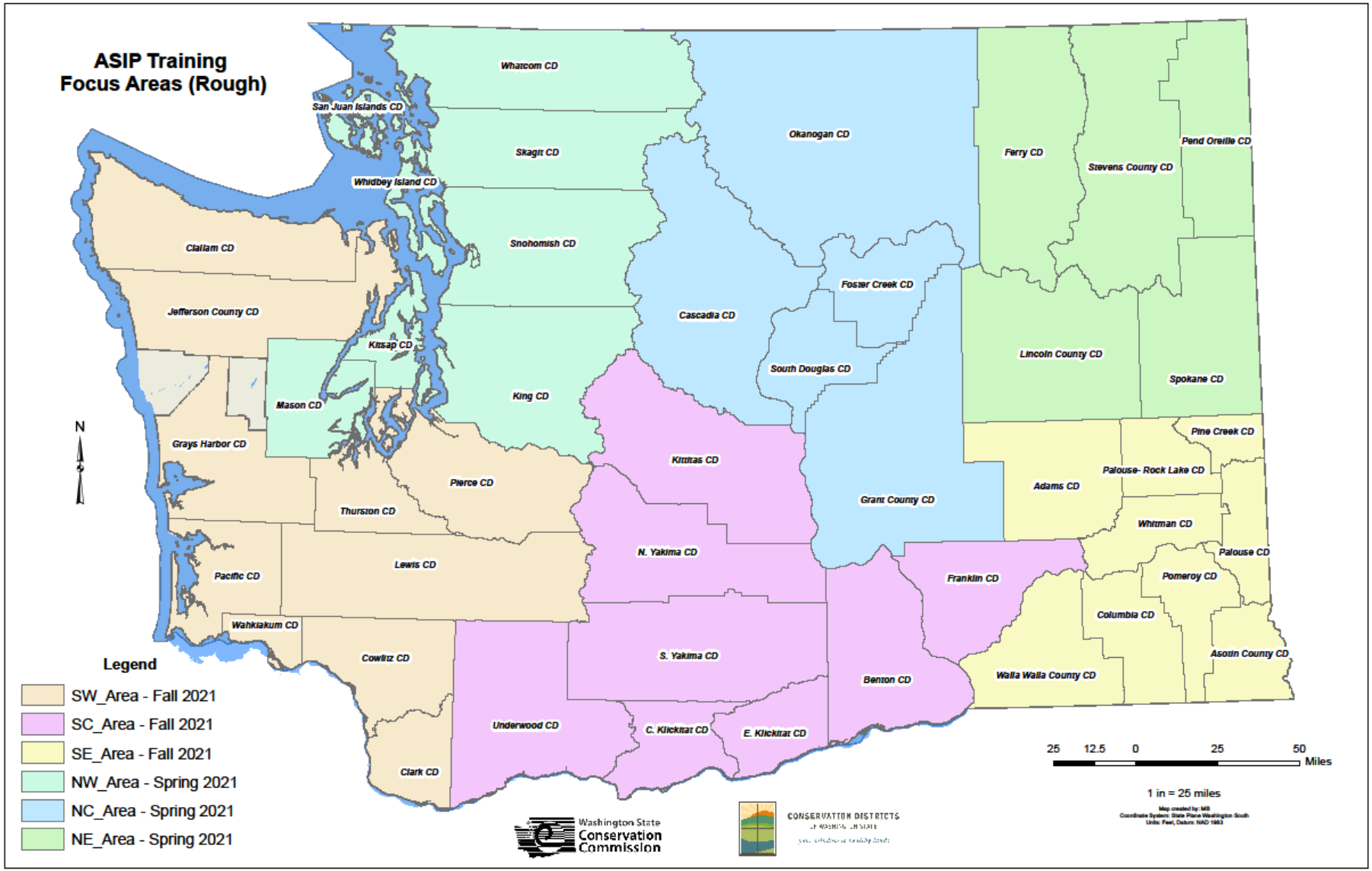
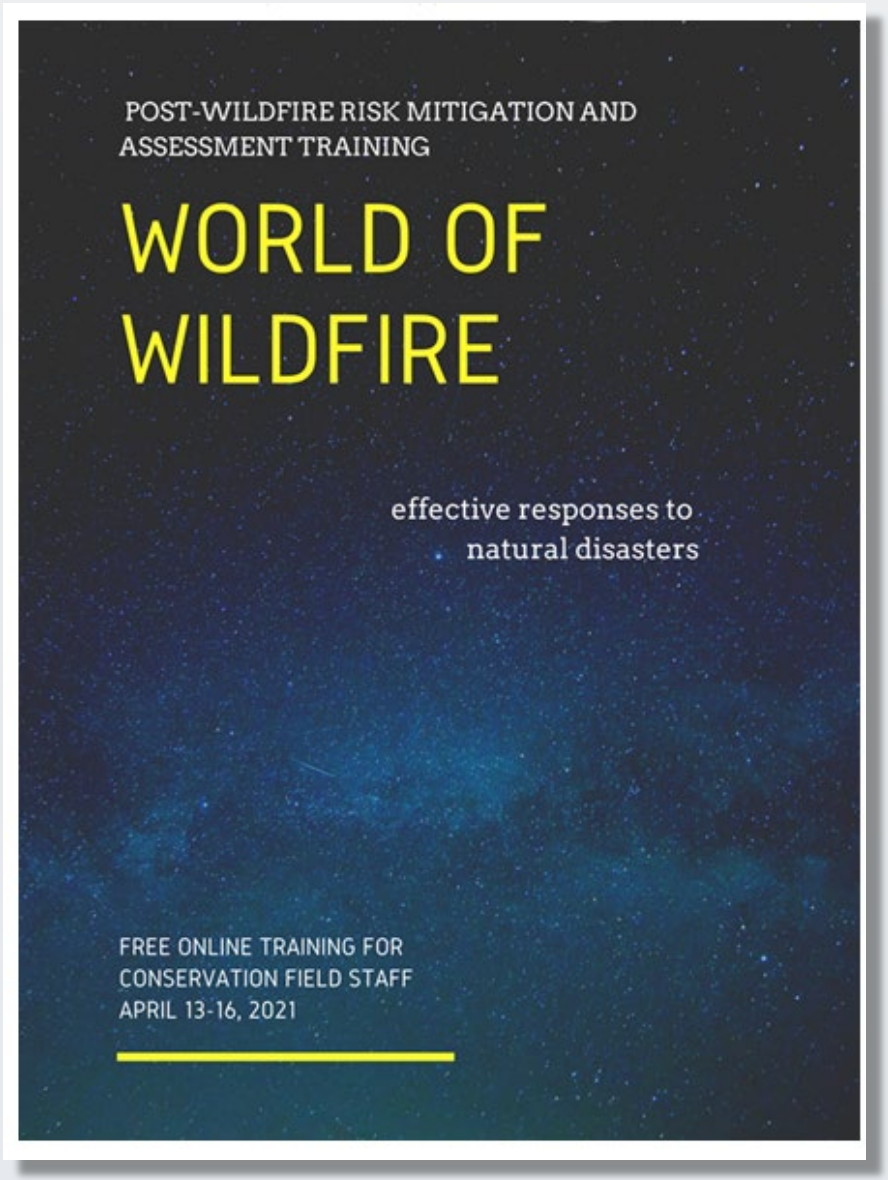


Assessing Structure Ignition Potential from Wildfire (ASIP)

“World of Wildfire”

Post Fire Risk Mitigation and Assessment



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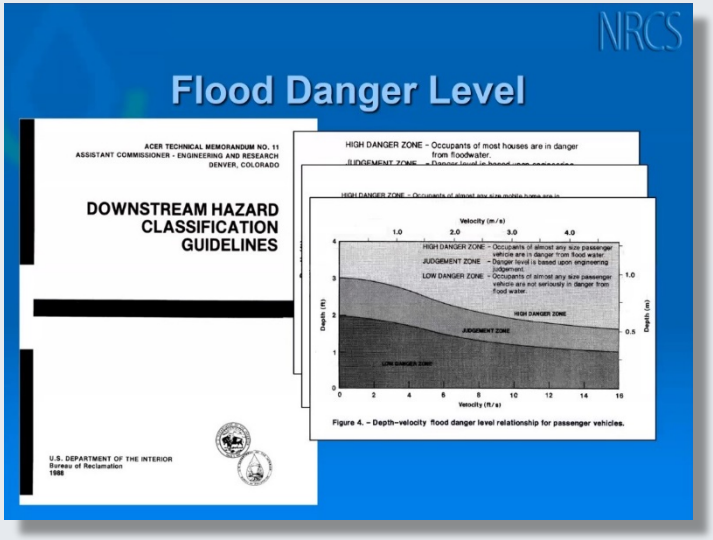
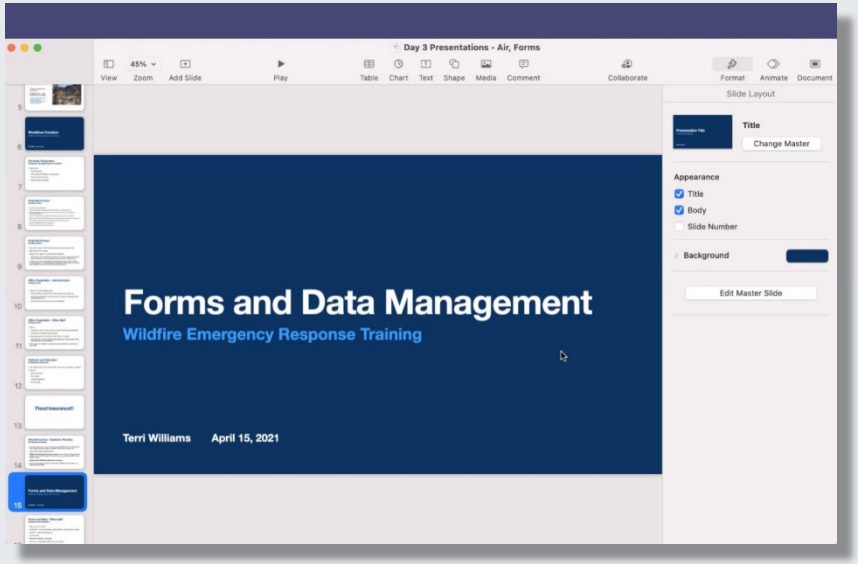
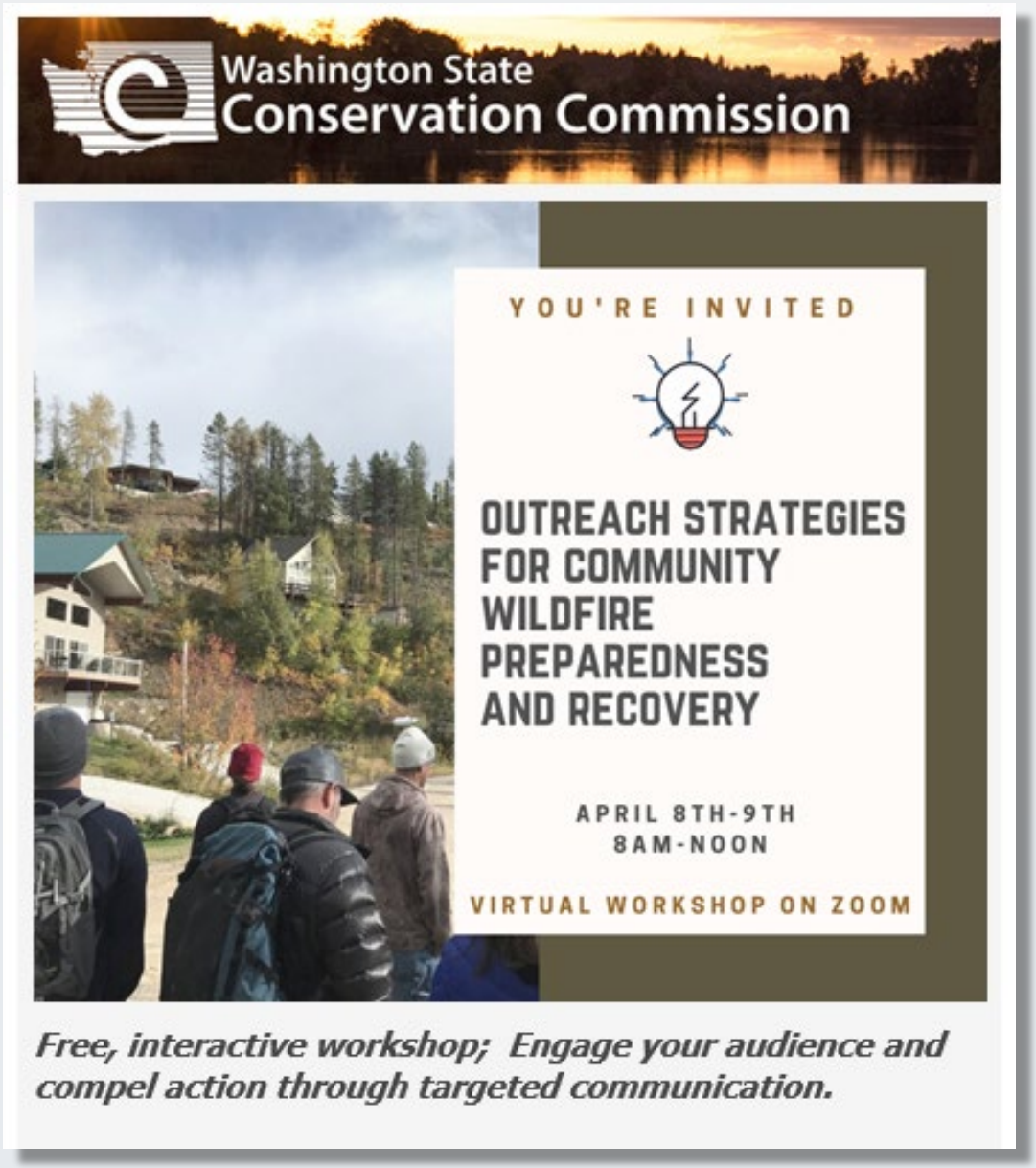
Post Fire Risk Mitigation and Assessment





https://www.wactd.org/training/ctd-training-library

Outreach Strategies for Community Wildfire Preparedness and Recovery



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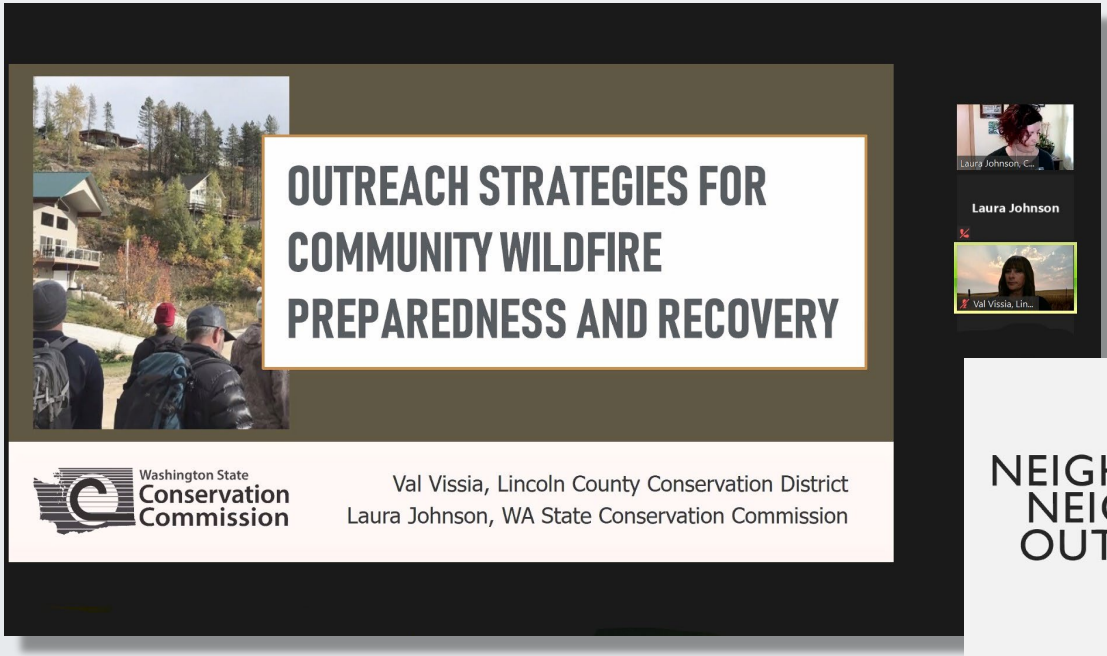
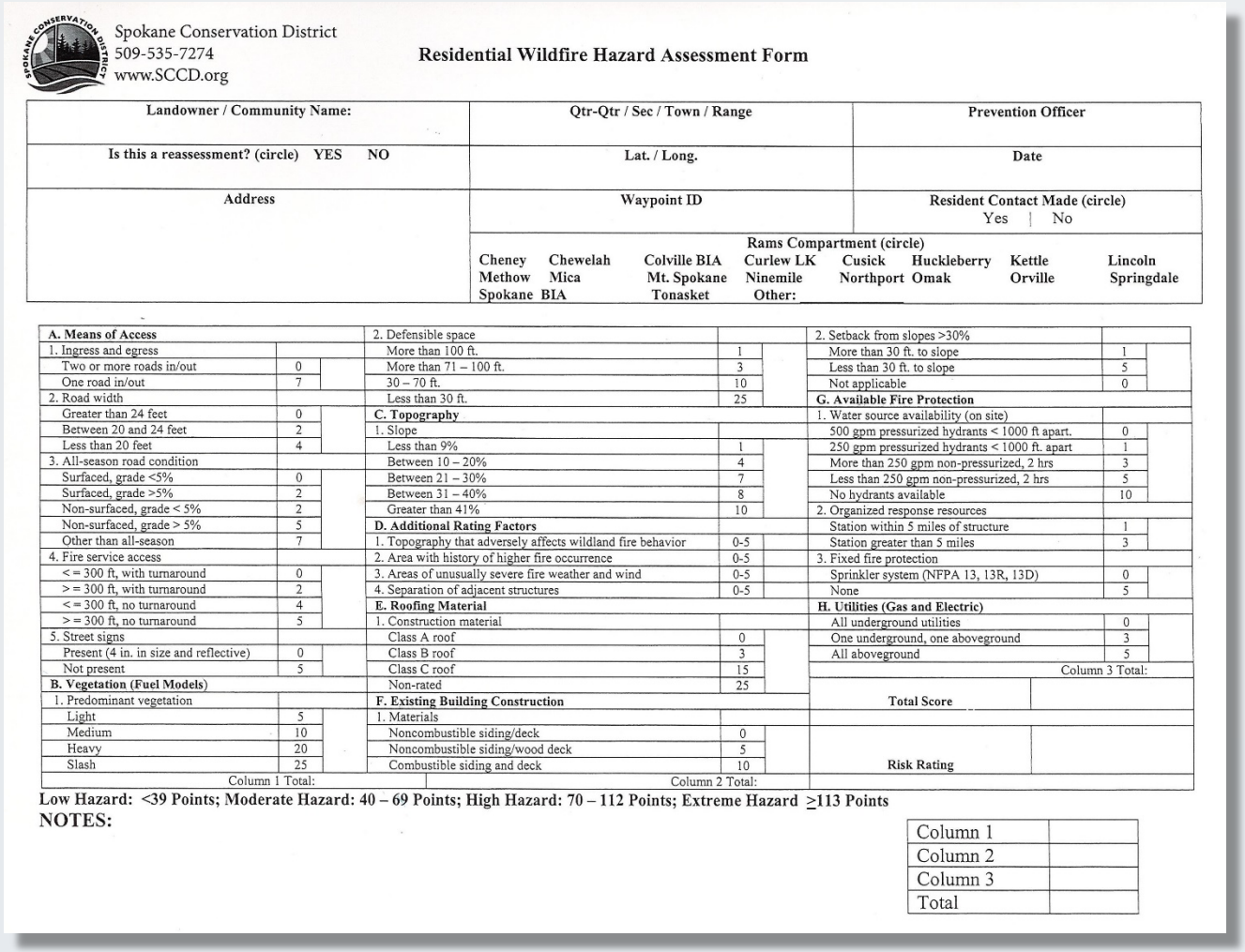


Home Ignition Zone Assessments



Spokane Conservation District
509-535-7274
www.SCCD.org

Residential Wildfire Hazard Assessment Form

Landowner / Community Name:	Qtr-Qtr / Sec / Town / Range	Prevention Officer
Is this a reassessment? (circle) YES NO	Lat. / Long.	Date
Address	Waypoint ID	Resident Contact Made (circle) Yes | No
	Rams Compartment (circle) Cheney Chewelah Colville BIA Curlew LK Cusick Huckleberry Kettle Lincoln Methow Mica Mt. Spokane Ninemile Northport Omak Orville Springdale Spokane BIA Tonasket Other:	

A. Means of Access		2. Defensible space		2. Setback from slopes >30%	
1. Ingress and egress		More than 100 ft.	1	More than 30 ft. to slope	1
Two or more roads in/out	0	More than 71 – 100 ft.	3	Less than 30 ft. to slope	5
One road in/out	7	30 – 70 ft.	10	Not applicable	0
2. Road width		Less than 30 ft.	25	**G. Available Fire Protection**	
Greater than 24 feet	0	**C. Topography**		1. Water source availability (on site)	
Between 20 and 24 feet	2	1. Slope		500 gpm pressurized hydrants < 1000 ft apart.	0
Less than 20 feet	4	Less than 9%	1	250 gpm pressurized hydrants < 1000 ft. apart	1
3. All-season road condition		Between 10 – 20%	4	More than 250 gpm non-pressurized, 2 hrs	3
Surfaced, grade <5%	0	Between 21 – 30%	7	Less than 250 gpm non-pressurized, 2 hrs	5
Surfaced, grade >5%	2	Between 31 – 40%	8	No hydrants available	10
Non-surfaced, grade < 5%	2	Greater than 41%	10	2. Organized response resources	
Non-surfaced, grade > 5%	5	**D. Additional Rating Factors**		Station within 5 miles of structure	1
Other than all-season	7	1. Topography that adversely affects wildland fire behavior	0-5	Station greater than 5 miles	3
4. Fire service access		2. Area with history of higher fire occurrence	0-5	3. Fixed fire protection	
< = 300 ft, with turnaround	0	3. Areas of unusually severe fire weather and wind	0-5	Sprinkler system (NFPA 13, 13R, 13D)	0
> = 300 ft, with turnaround	2	4. Separation of adjacent structures	0-5	None	5
< = 300 ft, no turnaround	4	**E. Roofing Material**		**H. Utilities (Gas and Electric)**	
> = 300 ft, no turnaround	5	1. Construction material		All underground utilities	0
5. Street signs		Class A roof	0	One underground, one aboveground	3
Present (4 in. in size and reflective)	0	Class B roof	3	All aboveground	5
Not present	5	Class C roof	15	Column 3 Total:	
B. Vegetation (Fuel Models)		Non-rated	25	**Total Score**	
1. Predominant vegetation		**F. Existing Building Construction**			
Light	5	1. Materials			
Medium	10	Noncombustible siding/deck	0		
Heavy	20	Noncombustible siding/wood deck	5	**Risk Rating**	
Slash	25	Combustible siding and deck	10		
Column 1 Total:		Column 2 Total:			

Low Hazard: <39 Points; Moderate Hazard: 40 – 69 Points; High Hazard: 70 – 112 Points; Extreme Hazard ≥113 Points

NOTES:

Column 1	
Column 2	
Column 3	
Total	

- 16 counties designated for funds – 2018
- Target of 10 assessments per county
- Focus is to "practice what you learned" from the ASIP trainings

Thank you!

Contact:

Mike Baden
mbaden@scc.wa.gov
509-385-7510

Washington State
Conservation Commission