

Outline

Forest Management Specialists

- Ocean Community Wildfire Resiliency Plan
- **O** Community Description
- Wildfire Risk Assessment
- **Seven FireSmart Disciplines**
- Action Plan & Recommendations
- Questions

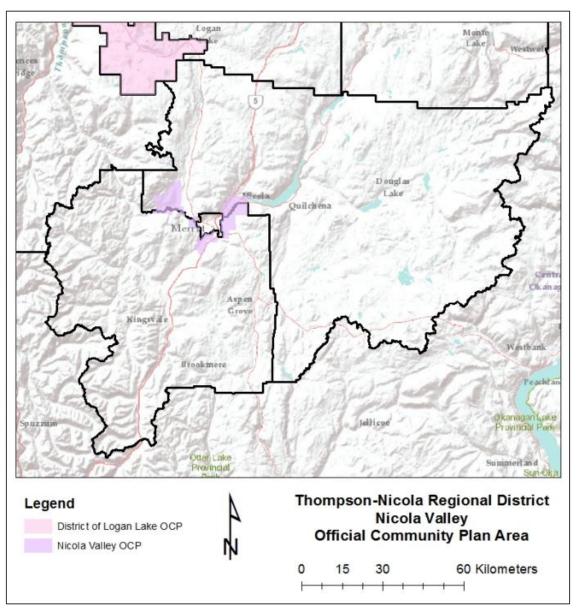


Community Wildfire Resiliency Plan

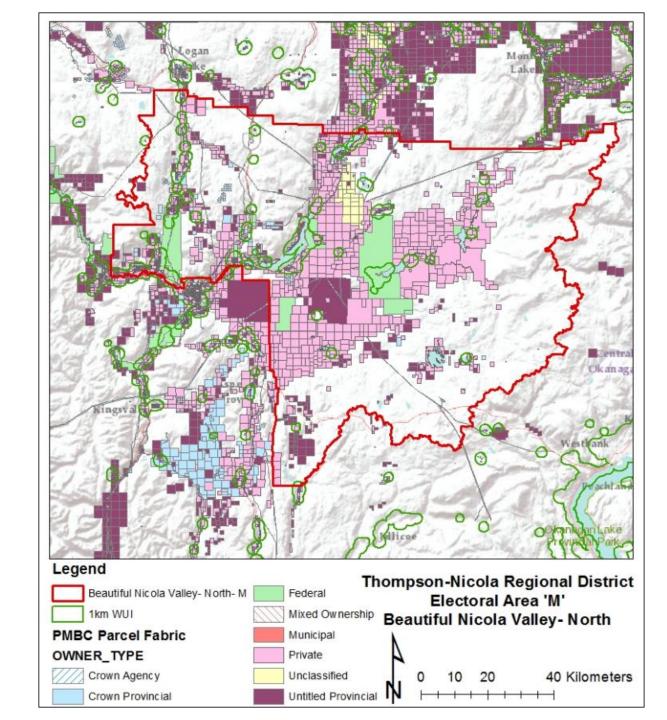
- ➤ High level plan
- Improve a community's wildfire preparedness
- Mitigate losses from possible wildfire
- > Seven FireSmart principles
- Unlocks government funding sources



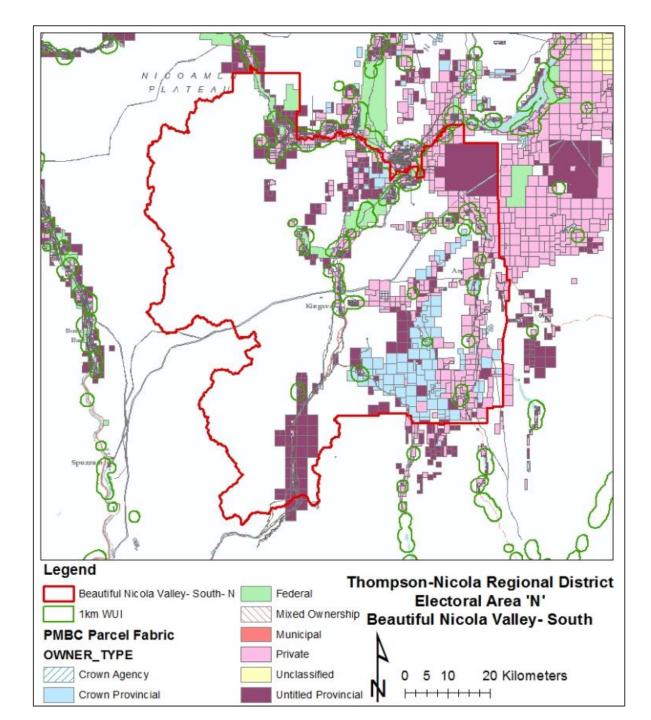
Community Description



Area of Interest



Area of Interest

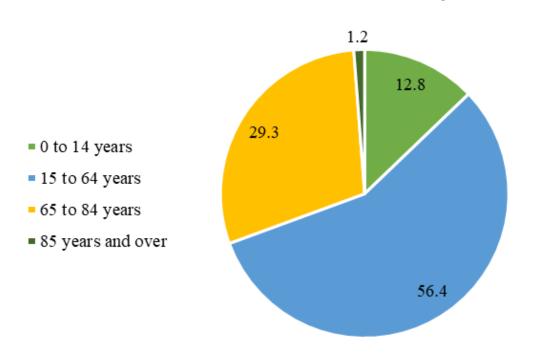


Community Description - Demographics

Total Population: 1,637 (2021)

Population Growth: 2.4% since 2016

Beautiful Nicola Valley- North

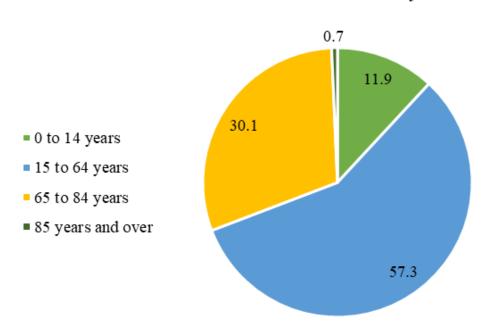


Community Description - Demographics

Total Population: 717 (2021)

Population Growth: -5.9% since 2016

Beautiful Nicola Valley- South



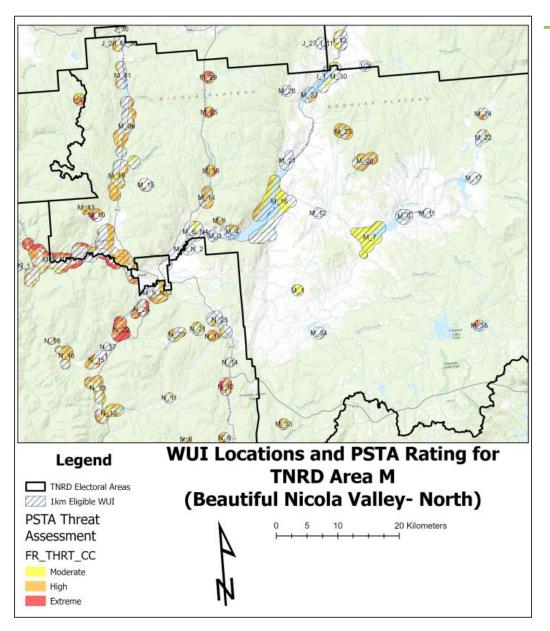
Community Description - Land Ownership (North)

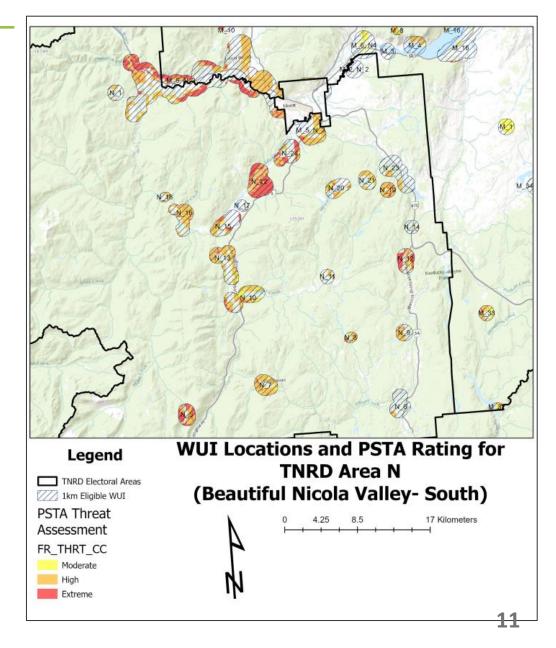
Owner Type	Area (ha) Total	%	Area (ha) in WUI	%
Private	99123.09	66.5%	11750.77	64.5%
Untitled Provincial	20486.06	13.8%	1566.85	8.6%
Federal	18988.22	12.7%	3727.33	20.4%
Crown Provincial	5892.03	4.0%	787.09	4.3%
Unclassified	4422.58	3.0%	362.72	2.0%
Crown Agency	21.77	0.01%	21.11	0.1%
Municipal	14.53	0.01%	14.53	0.1%
Total	148948.28	100.0%	18230.4	100.0%

Community Description - Land Ownership (South)

Owner Type	Area (ha) Total	%	Area (ha) in WUI	%
Private	29629.05	37.0%	7248.59	58.2%
Untitled Provincial	27444.18	34.3%	2054.37	16.5%
Crown Provincial	18198.82	22.7%	1331.27	10.7%
Federal	4541.32	5.7%	1712.92	13.8%
Unclassified	138.71	0.2%	77.73	0.6%
Crown Agency	124.5	0.2%	23.25	0.2%
Municipal	2.4	0.003%	0.51	0.004%
Total	80078.98	100.0%	12448.64	100.0%

Wildfire Risk Assessment

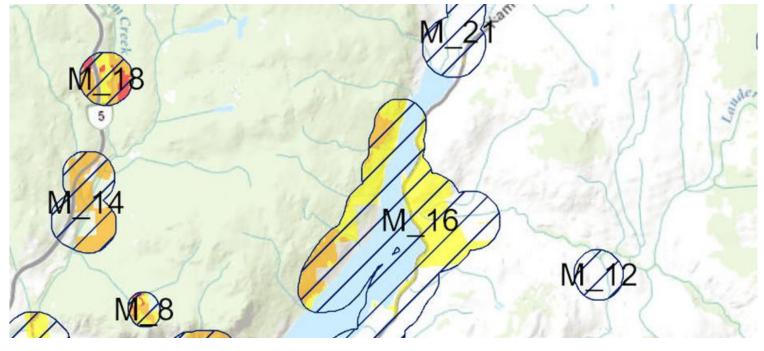




Wildfire Risk Assessment – "1km Eligible WUI"

WUI: Wildland

Urban Interface

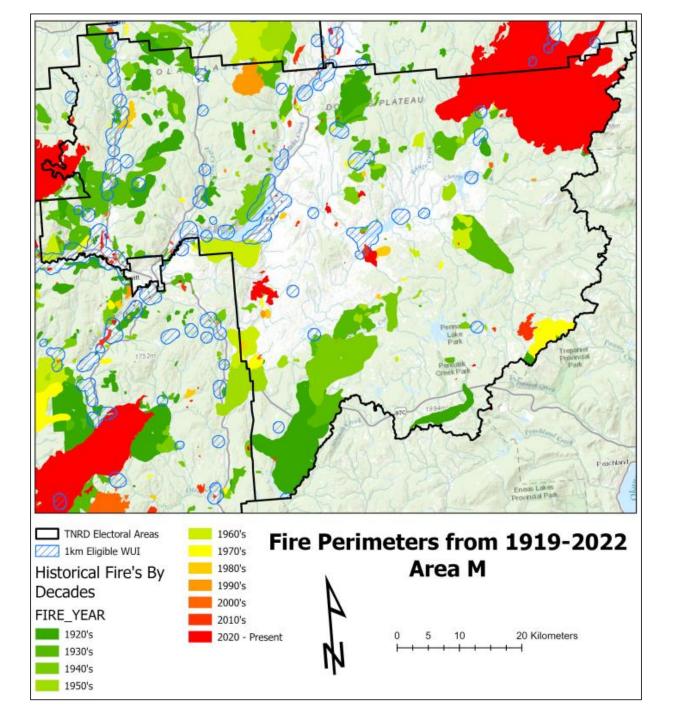


Wildfire Risk Assessment – The Fire Environment

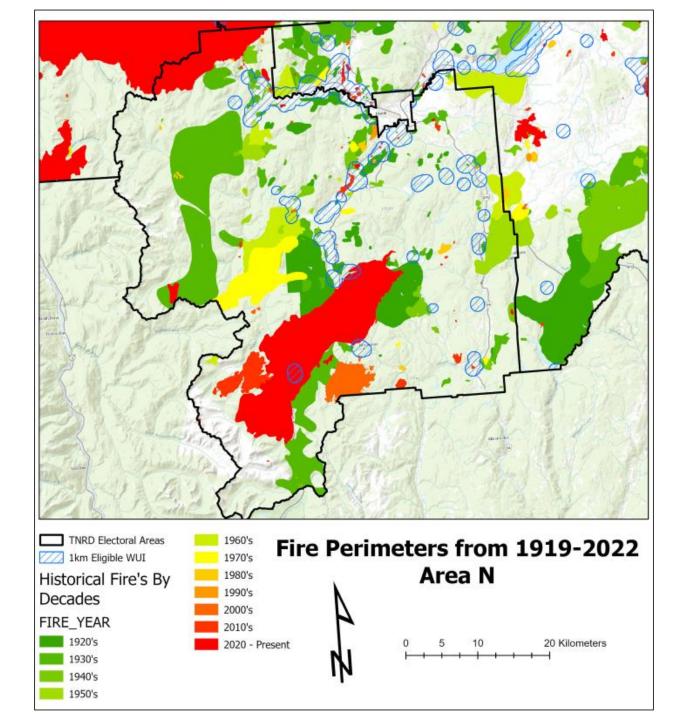


Climate Variable	Season	Projected Change from 1961-1990 Baseline		
		Ensemble Median	Range (10th to 90th percentile)	
Temperature (°C)	Annual	+3.2 °C	+2.2 °C to +4.2 °C	
Precipitation (%)	Annual	2.60%	-0.53% to +8.8%	
	Summer	1.10%	-25% to +7.8%	
	Winter	1.80%	-1.5% to +8.0%	
	Annual	-28%	-35% to -26%	
Precipitation as Snow (%)	Winter	-20%	-25% to -15%	
	Spring	-47%	-54% to -41%	
Frost-Free Days (days)	Annual	+44 days	+34 to +63 days	

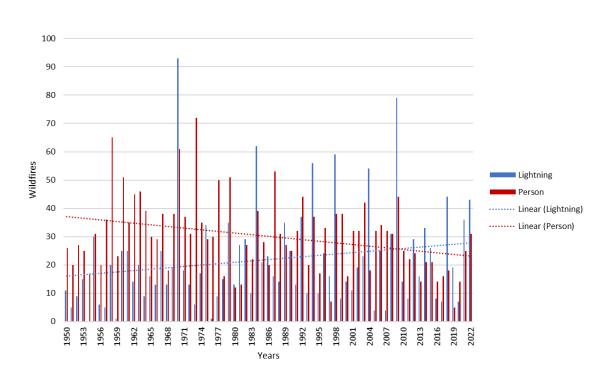
Wildfire Risk Assessment – Fire History (North)



Wildfire Risk Assessment – Fire History (South)



Wildfire History (1950 -2022)

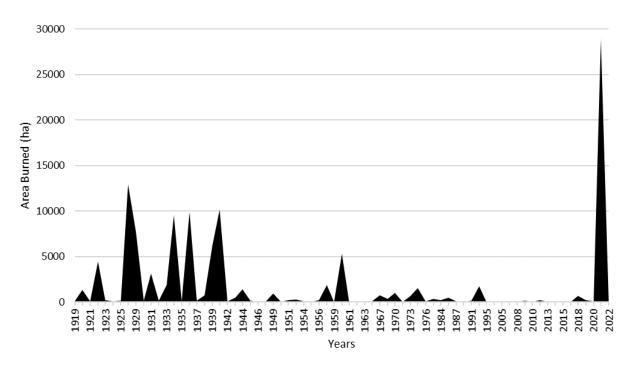


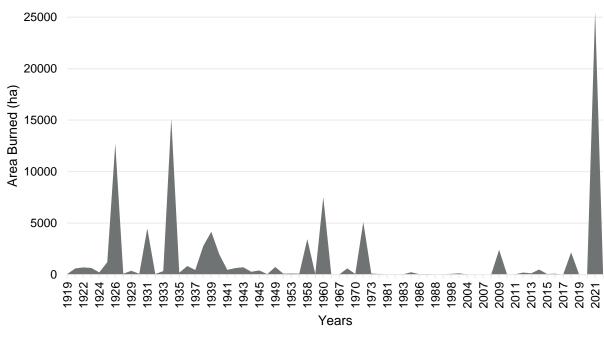
Nicola Valley North

Nicola Valley South

Annual wildfire occurrence within the Nicola Valley North and South electoral area boundaries, from 1950 to 2022.

Area Burned (1919 -2022)



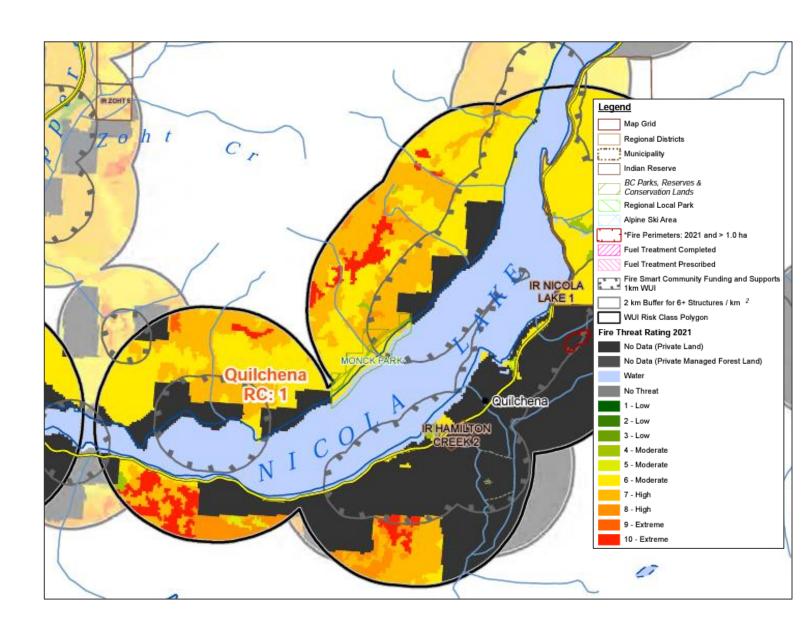


Nicola Valley North

Nicola Valley South

Area burned within the Nicola Valley North and South electoral area boundaries, from 1919 to 2022.

Provincial Strategic Threat Assessment (PSTA)



Provincial Strategic Threat Assessment (PSTA)

PSTA Threat Rating	Area (ha)	%
No Data (Private Land)	11696.5936	46.7%
High	5468.873003	21.8%
Moderate	3659.003454	14.6%
Water	3182.754962	12.7%
Extreme	907.918726	3.6%
Low	148.553486	0.6%
Total	25063.69723	100.0%

PSTA Threat Rating	Area (ha)	%
High	141756.5992	34.5%
No Data (Private Land)	102784.7136	25.0%
Extreme	93697.2897	22.8%
Moderate	61045.29536	14.9%
Water	10706.67117	2.6%
Low	810.438348	0.2%
No Data (Private Managed Forest Land)	66.75	0.02%
Total	410867.7574	100.0%

Across all of Nicola Valley North area.

Provincial Strategic Threat Assessment (PSTA)

PSTA Threat Rating	Area (ha)	%
No Data (Private Land)	7363.4437	46.9%
High	4737.45947	30.2%
Extreme	2414.49562	3 15.4%
Moderate	645.966603	3 4.1%
Water	461.05064	3 2.9%
No Data (Private Managed Forest Lan	d) 78.9322 ⁻	7 0.5%
Low	8.76348	4 0.1%
To	otal 15710.1118	3 100.0%

Within the

1km Eligible

WUI

PSTA Threat Rating	Area (ha)	%
High	99754.32983	41.4%
Extreme	86791.08208	36.1%
No Data (Private Land)	29752.86697	12.4%
Moderate	20277.40884	8.4%
Water	2210.548661	0.9%
Low	1824.206081	0.8%
No Data (Private Managed Forest Land)	80	0.03%
Tota	l 240690.4424	100.0%

Across all of Nicola Valley South area.

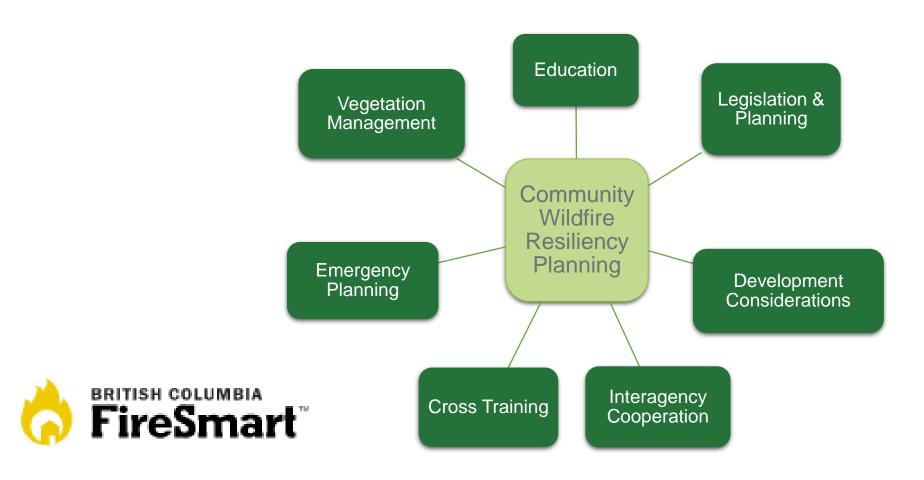
Seven FireSmart Disciplines

TOGETHER WE ARE PREPARED





Seven FireSmart Disciplines









Goal:

- Reduce intensity and spread of wildfire
- Two levels:
 - Residential
 - Landscape



Vegetation Management



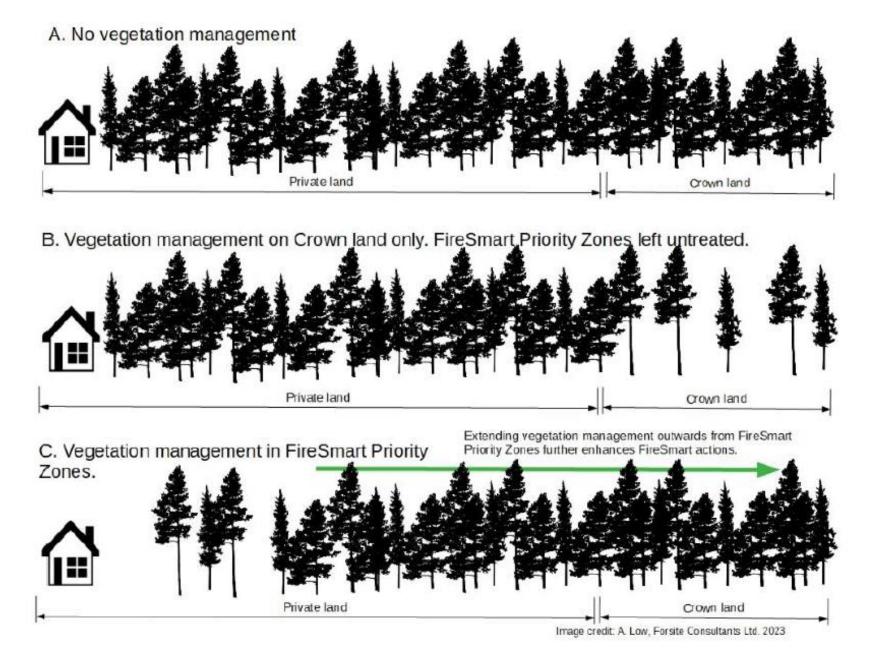
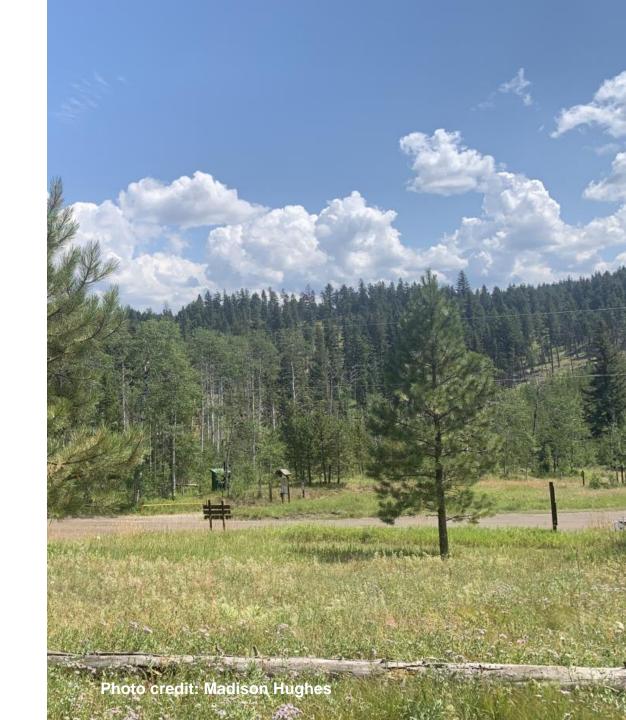


Figure 21 Vegetation management actions are most effective when they prioritize fuel hazard mitigation beginning in the FireSmart priority zones and progressing outwards.

Action Plan & Recommendations

- **►** List of Action Items
 - Primarily focused on CRI funding
- Proposed Fuels Treatments(in progress)





Questions?



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