

Wildfire Threat Assessment Worksheet – Priority Setting Scoring (complete one for entire proposed treatment area)

Location: Nakusp Creek

Date: September 12,
2017Assessor/ Frances Swan, Hugh Watt
Professional Designation: RPF

Coordinates (Lat/Long – Degrees/Decimal Minutes): 50.225, -117.789

PSTA Threat: 5

FBP Fuel Type: C-5

Assessor's FBP Fuel Type: C-5

Ownership: Crown, MOTI

Assessor's Fuel Type Rationale¹:

Value Description (include type of value and distance to the value from the proposed treatment area):

Residential 200m South; adjacent to Highway

Landscape Assessment

Proximity of fuel treatment area to value (m)	0-100 25	101-500 20	501- 1,000 15	1 000- 2,000 5	> 2,000 0
Existing Fuel Mgmt. treatment area in place between the proposed treatment area and the value(s)	Yes 5	No 0			
Treatment Placement: using the predominant wind direction/ fire spread pattern, what is the treatment location in relationship to the value(s) location?		Downwind 0	270 ⁰ offset to prevailing wind/ highest ISI values 7	90 ⁰ offset to prevailing wind/ highest ISI values 10	Upwind/ highest ISI values 15
Distance to nearest vehicle access (m)		0-200 5	201-400 3	401- 1,000 1	> 1,000 0
Distance to non-fuel / treated ² area near the assessment area (m)		0-200 5	201-400 3	401- 1,000 1	> 1,000 0

Topographical Factors

Topography: Slope	< 20% 0	21-30% 1	31-45% 3	46-60% 4	> 60% 5
Topography: Aspect (> 20% slope)		North 0	East/Flat 3	West 4	South 5
Slope position of value (only applies if slope is > 20%)		Bottom of slope/ valley bottom 0	Mid slope - bench 1	Mid slope - continuous 3	Upper 1/3 of slope 5

Total Score:

50

Comments:

High treatment priority – hand treatment

¹ Must include three photos for each plot (one of forest floor, one of surface and ladder fuel, one of overstory)² Fuel management type treatment where wildfire threat has been mitigated

Wildfire Threat Assessment Worksheet - Fuel Assessment (Site Level) ³		Plot #
Location: Nakusp Creek (MOTI)	Date: Sept 12, 2017	Assessor/ Frances Swan/Hugh Watt Professional Designation: RPF
Coordinates (Lat/Long – Degrees/Decimal Minutes): 50.225, -117.789		
Crown Species Composition (species %): Hw ₇ , Pli ₁ , Fdi ₁ , Ep ₁		
Ladder Fuel Species Composition (species %): Hw ₈ , Fd ₁ , Cw ₁		

Component/ Sub-Component		Levels/Classes				
	Forest Floor and Organic Layer					
1	Depth of organic layer (cm)	1- < 2 1	2- < 5 3	5- < 10 5	10 - 20 3	> 20 2

Surface and Ladder Fuel (0.1 – 3.0 meters in height)						
2	Surface fuel composition	Moss, herbs, deciduous shrubs 4	Lichen, conifer shrubs 6	Dead fines fuel ⁴ (<1 cm) 8	Pinegrass 10	Sagebrush, Bunch grass, Juniper, Scotch broom 15
3	Dead and down material continuity (< 7cm)	Absent 0	Scattered < 10 coverage 4	10-25% coverage 8	26-50% coverage 12	> 50% coverage 15
4	Ladder fuel composition	Deciduous 0	Mixwood 3	Other conifer 5	Elevated dead fuel 7	Spruce, Fir, Pine 10
5	Ladder fuel horizontal continuity	Absent 0	Sparse < 10% coverage 2	Scattered 10-39% coverage 5	Patchy 40-60% coverage 8	Uniform > 60% coverage 10
6	Stem/ha (understory) ⁵	< 900 2	901- 1,500 4	1 501- 2,500 6	2 501- 4,000 8	> 4,000 10

Stand Structure and Composition (Dominant and co-dominant stems)						
7	Overstory composition/ Crown Base Height (CBH)	Deciduous (< 25% conifer) 0	Mixwood (% conifer) 25% 50% 75% 2 5 7	Conifer with high CBH (> 10m) 10	Conifer with moderate CBH (6-9m) 12	Conifer with low CBH (< 5m) 15
8	Crown Closure (CC)	< 20% 0	20-40% 1	41-60% 2	61-80% 5	> 80% 4
9	Fuel Strata Gap ⁶ (m)		> 10 0	6-9 3	3-6 7	< 3 10
10	Stems/ha (overstory) ⁷	< 400 0	401-600 2	601-900 3	901- 1,200 4	> 1,200 5
11	Dead and dying (% of dominant and co-dominant stems)		Standing dead/ Partial down < 20% 2	Standing dead/ Partial down 21-50% 5	Standing dead/ Partial down 51-75% 8	Standing dead/ Partial down > 75% 10

Total Score ⁸ :	65
Eco Province:	Si Mtn
Fuel Assessment Rating:	Mod

³ This sheet is used to summarize and score the completed plot tallies

⁴ Leaves, needles or fine branch material

⁵ Understory is considered ladder and suppressed stems in this category (distinct break between these stems and overstory)

⁶ Fuel Strata Gap – Distance from top of ladder fuel to live crown base height of overstory

⁷ Overstory is dominant and co-dominant stems (Green/Living)

⁸ 110 points based on 65 points on ground, surface and ladder fuel, and 45 points on overstory

Comments:

SITE INFORMATION

Plot # 46

Date Sampled: 2017-09-12

Coordinates: General Location: Nakusp Creek

N 50.225

W -117.789

Photo Direction: S

FBP Fuel Type: C-5

Slope (%): <20

Aspect (deg.): 270

Elevation (m): 466

Canopy Closure (%): 61-80

Average Forest Floor Depth (cm): 2-5

Surface



Photo 1

Ladder



Photo 2

Crown



Photo 3