Wildfire Threat Assessment Worksheet - Fuel Assessment (Site Level) **Plot #** EAGLE-1

Location	Eagle Lake	Date 3/21/25	Assessor/ Professional Designation Q. Schmidt
Coordinates (Lat/Long – Degrees/Decimal minutes): 49°22.012' N, 123°14.478' W			RPF
Crown Species Composition (species %)	Hw40Cw40Fd20		
Ladder Fuel Species Composition (species %)	Cw80Hw20		

	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 and Deciduous Shrubs ○ 4	Lichen, Conifer Shrubs ○ 6	Dead fines (Leaves, Needles or fine branch material) fuel (<1 cm) ● 8	Pinegrass ○ 10	Sagebrush, Bunchgrass, 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 ○ 5	Other conifer ● 8	Elevated dead fuel ○ 10	Spruce/ Fir/ Pine ○ 15
5	Ladder fuel horizontal continuity	Absent ○ 0	Sparse <10% coverage ● 2	Scattered 10 – 39% coverage ○ 8	Patchy 40-60% coverage ○ 10	Uniform >60% coverage ○ 15
6	Stem/ha (understory)[3]	<500 ● 2	501-800 ○ 4	801-1200 ○ 6	1201-1500 ○ 8	>1500 ○ 10
	Stand Structure and Composition (Dominant and Co- Dominate stems)					
7	Overstory Composition/ CBH (Crown Base Height)	Deciduous (< 25% conifer) ○ 0	Mixwood (% Conifer) 25% 50% 75% ○ 0 ○ 2 ○ 3	Conifer with high CBH (>10m) ○ 3	Conifer with moderate CBH (5-9M) ● 4	Conifer with low CBH (<4m) ○ 5
8	Crown Closure	< 20% ○ 0	20 -40% (Or Deciduous) ○ 1	41-60% ○ 2	61-80% ○ 5	>80% ● 4
9	Fuel Strata Gap[4] (m)		> 10 ○ 0	6-9 ● 1	3-6 ○ 3	<3 ○ 5
10	Stems/ha live/ grn dom & codom (overstory)	<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

Ecoprovince	Threat Assessment	WTA Total
Coast and Mountains, Georgia Depression (0/42/58/70)	Moderate	47

Comments:

Second growth stand south of eagle lake, moisture receiving site series, mature and very stem exclusion conditions. Eagle creek and smaller tributaries running adjacent to the plot location. Plot is representative of many untouched second growth stands in the area, which is mixed in with higher density, Douglas-fir / salal dominated stands on rockier areas.

Very consistent coverage of dead fines and cedar foliage, low-moderate volumes overall with isolated pockets of elevated accumulations. Very sparse ladder fuels, the odd live Cw/Hw layer 3. Very high and healthy crowns on overstory stems. High Cw mortality in dry areas adjacent.

Q. Schmidt

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

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

PROJECT: West Van CWRP

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British Columbia Wildfire Service - Photo Guide

SITE INFORMATION Date Sampled: 3/21/25

Plot # EAGLE-1

General Location: Eagle Lake

Coordinates: 49°22.012' N, 123°14.478' W

FBP Fuel Type: C-5

Slope (%): Variable 5-40

Aspect (deg.): 210

Elevation (m): 373

Canopy Closure (%): 90

Average Forest Floor Depth (cm): 20

SURFACE FUELS:

Photo comment:

Scattered, low volume dead fines on average.

Other (specif

LADDER FUELS

Other (specify)

Photo Comment:

Few live ladder fuels, reasonable number of dead standing L2 - L3 trees. High CBH.

CROWN FUELS:

Other (specif

Photo Comment:

High CBH, high crown closure. DMH on mistletoe.