Wildfire Threat Assessment Worksheet - Fuel Assessment (Site Level) **Plot #** BALLANTREE-2

Location	Ballantree (Untreated)	Date 2/28/25	Assessor/ Professional Designation Q. Schmidt RPF
Coordinates (Lat/Long – Degrees/Decimal minutes): 49°21.828' N, 123°7.920' W			
Crown Species Composition (species %)	Hw70Cw30(Fd)		
Ladder Fuel Species Composition (species %)	Dead(HwCw)		

	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% ○ 0 50% ○ 2 75% ○ 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	53

Comments:

Untreated stand adjacent to treated areas on Ballantree road. Dense second growth conifer stand in stem exclusion, considerable dead standing from L3 through smaller L1 layers. Majority of dead is Hw.

Continuous surface fuel but moderate volume on average, plenty of conifer foliage. Mixed in with sparse deer fern and sword fern. Very little understory vegetation otherwise. No live ladder fuels, though there is some elevated deadfall. High CBH on overstory trees.

Can absolutely remove dead proactively but debris removal has proved difficult and costly. Could potentially lop and scatter as you're now further from homes.

Q. Schmidt

Fringe C3-C5.

[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: 2/28/25

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General Location: Ballantree (Untreated)

Coordinates: 49°21.828' N, 123°7.920' W

FBP Fuel Type: C-3

Slope (%): 20-30

Aspect (deg.): 98

Elevation (m): 378

Canopy Closure (%): 85

Average Forest Floor Depth (cm): 5

SURFACE FUELS:

Photo comment:

Moderate volume but high continuity of surface fuels. Little herb and shrub regeneration.

Other (specif

LADDER FUELS

Other (specify)

Photo Comment:

Dead standing small diameter stems and pockets of elevated deadfall.

CROWN FUELS:

Other (specif

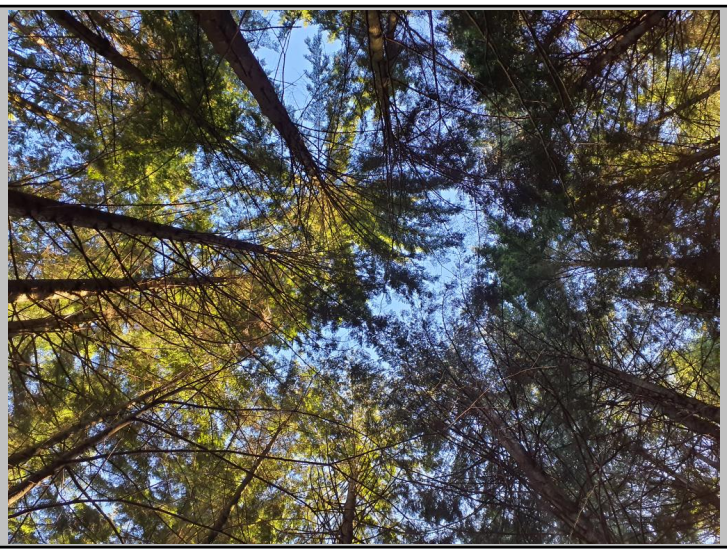

Photo Comment:

High crown closure overall, majority from A1/A2 layers though A3 is contributing.