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

Location	West Vancouver	Date 2/28/25	Assessor/ Professional Designation J. Sunderwald
Coordinates (Lat/Long – Degrees/Decimal minutes): 49 21.804088 , -123 7.896137			FIT
Crown Species Composition (species %)	Hw60Cw40(Fd)		
Ladder Fuel Species Composition (species %)	No ladder fuels		

	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)	Low	32

Comments:

Within BALLANTREE fuel treatment area, completed in winter 2023. Adjacent to homes to the east. Dead and down surface fuel continuity around the 25% range. Many very small fines and conifer foliage, very little volume overall.

No ladder fuels. Ladder fuels scored as deciduous because it's the lowest possible.
CBH at least 10m.

High CC with open pockets - average around 85.

Approximately 500-600 sph of healthy stems in the overstory.
**QA'd by Q. Schmidt, RPF

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: District of West Vancouver CWRP

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British Columbia Wildfire Service - Photo Guide

SITE INFORMATION Date Sampled: 2/28/25

Plot # BALLANTREE-1

General Location: West Vancouver

Coordinates: 49 21.804088 , -123 7.896137

FBP Fuel Type: C-5

Slope (%): 30

Aspect (deg.): 96

Elevation (m): 374

Canopy Closure (%): 85

Average Forest Floor Depth (cm): 3

Photo comment:

Low continuity 1 hour fuels and conifer foliage.

Other (specif

SURFACE FUELS:

Other (specify)

LADDER FUELS

Photo Comment:

Ladder fuels absent.

CROWN FUELS:

Other (specif

Photo Comment:

High crown closure overall, dense second growth stand.