Wildfire Threat Assessment Worksheet - Fuel Assessment (Site Level) **Plot #** CYPRESS-5

Location	West Vancouver	Date 2/28/25	Assessor/ Professional Designation J. Sunderwald
Coordinates (Lat/Long – Degrees/Decimal minutes): 49°21.563', -123°10.917'			FIT
Crown Species Composition (species %)	Fd60Hw40(Cw)		
Ladder Fuel Species Composition (species %)	Cw50Hw40(dead)		

	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:

Higher elevation than Cyprees-4 WTA plot but in the same Crown land parcel - located to the southeast of properties in the Hollyburn Cabins community. Adjacent to the Old Forks climbing trail and an old ATV trail, south of the transmission line right of way.

Pockets of moss and salal with dead fines mixed in with a considerable amount of cedar foliage.
Moderate amounts of ladder fuels - three story stand with some vertically continuous areas.
High crown closure overall - slightly more dense stand with lower DBH on average than CYPRESS 4, with more fuel continuity overall.

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 # CYPRESS-5

General Location: West Vancouver

Coordinates: 49°21.563', -123°10.917'

FBP Fuel Type: C-5

Slope (%): 35-40

Aspect (deg.): 190

Elevation (m): 641

Canopy Closure (%): 85

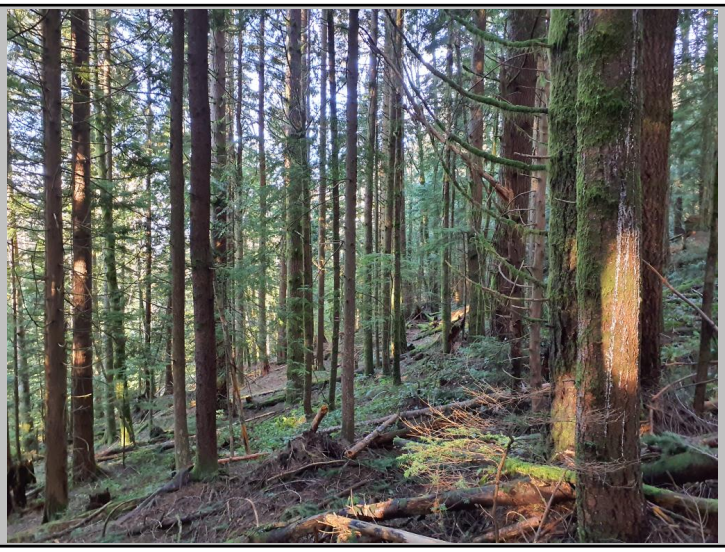
Average Forest Floor Depth (cm): 6

SURFACE FUELS:

Photo comment:

Mix of dead fines (mostly 1 - 10 hour), moss, and salal.

Other (specif



LADDER FUELS

Other (specify)

Photo Comment:

Pockets of conifer regeneration, more prominent A3 and B layer than Cypress 4. Still low continuity on average.

CROWN FUELS:

Other (specif

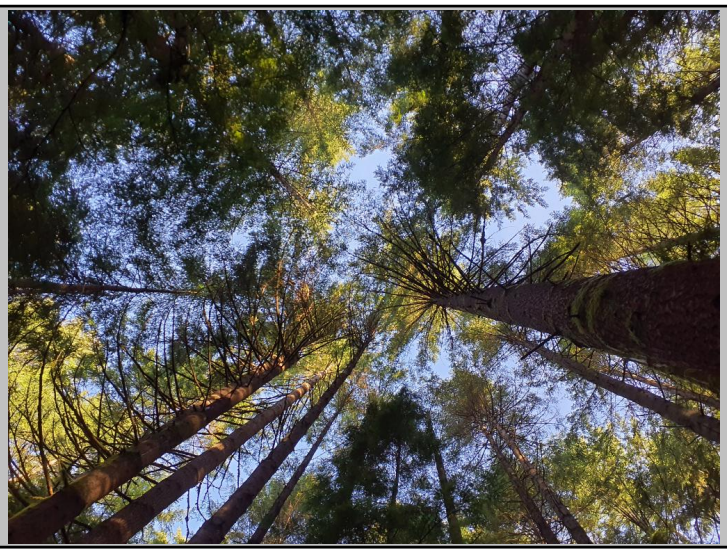


Photo Comment:

High crown closure overall but multiple natural canopy gaps do exist.