Wildfire Threat Assessment Worksheet - Fuel Assessment (Site Level) **Plot #** CYPRESS-9

Location	Cypress PTU	Date 2/28/25	Assessor/ Professional Designation J. Sunderwald
Coordinates (Lat/Long – Degrees/Decimal minutes): 49°21.613', -123°8.697'			FIT
Crown Species Composition (species %)	Hw80Fd10Cw10		
Ladder Fuel Species Composition (species %)	Hw100(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	44

Comments:

Untreated area within the Cypress PTU adjacent to power lines and access road.
Dead fines are the dominant surface fuel, low-moderate volume, with a minor herb and shrub component throughout (oregon grape and sword fern).

Ladder fuels are very minimal, mainly A3 stems some of which are dead and will provide future surface fuel or elevated dead ladder fuel. Thickets of Hw regen cover less than 10%. Understory stems are around 500sph on average, moderate dead component.

Q. Schmidt

High crown closure but very high CBH and fuel strata gap.
Treatment would involve removal of dead stems, CWD accumulations, and understory thickets.
**QA'd by Q. Schmidt, RPF

[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-9

General Location: Cypress PTU

Coordinates: 49°21.613', -123°8.697'

FBP Fuel Type: C-5

Slope (%): 20

Aspect (deg.): 180

Elevation (m): 465

Canopy Closure (%): 90

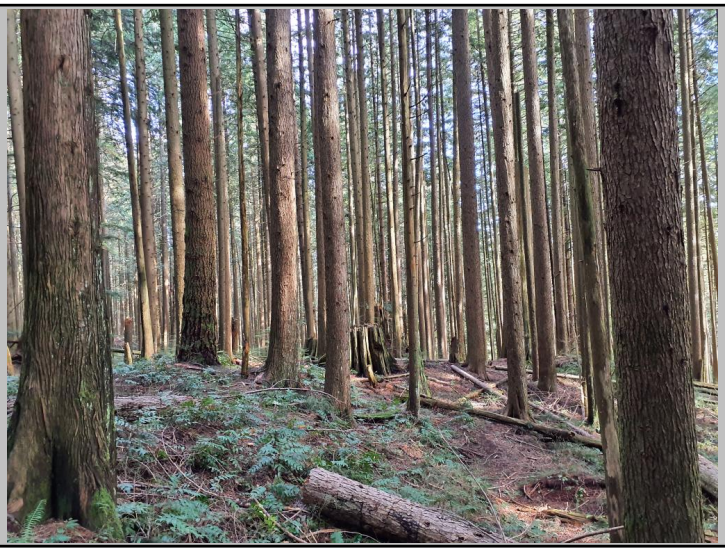
Average Forest Floor Depth (cm): 6

Photo comment:

High coverage but low volume of FWD and conifer foliage. Herb and shrub component establishing.

Other (specif

SURFACE FUELS:



Other (specify)

LADDER FUELS

Photo Comment:

Very few, on average. Regenerating Hw thickets do exist in canopy openings.

CROWN FUELS:

Other (specif

Photo Comment:

Very high crown closure.