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

Location	Cypress Falls Park	Date 2/20/25	Assessor/ Professional Designation Q. Schmidt RPF
Coordinates (Lat/Long – Degrees/Decimal minutes): 49°21.440' N, 123°14.380' W			
Crown Species Composition (species %)	Hw60Fd30Cw10		
Ladder Fuel Species Composition (species %)	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% 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)	Low	39

Comments:

Old growth conifer stand in Cypress Falls Park. Plot is within 80m of homes - hazard was frequently observed to be higher next to homes (edge effect, dumping, deadfall accumulations).

Low hazard overall, with pockets of surface fuel and pockets of regenerating conifers providing sporadic fuel continuity. Considerable pockets of deadfall and windthrow affecting all species.

Foot trail access to area. Treatment wouldn't be overly effective but could prioritize firesmart treatments in the immediate interface.

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: 2/20/25

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General Location: Cypress Falls Park

Coordinates: 49°21.440' N, 123°14.380' W

FBP Fuel Type: C-5

Slope (%): 37

Aspect (deg.): 168

Elevation (m): 246

Canopy Closure (%): 50

Average Forest Floor Depth (cm): 7

SURFACE FUELS:

Photo comment:

Moss, herb and shrub dominant with scattered deadfall and breakage.

Other (specif

LADDER FUELS

Other (specify)

Photo Comment:

Low horizontal continuity of ladder fuels, regenerating conifers are in scattered pockets (from canopy openings) and a proportion of overstory Cw have low branches.

CROWN FUELS:

Other (specif

Photo Comment:

Moderate crown closure overall, canopy gaps frequent.