Wildfire Threat Assessment Worksheet - Fuel Assessment (Site Level) **Plot #** CYPRESS-3

Location	Highview (Cypress)	Date 2/21/25	Assessor/ Professional Designation Q. Schmidt RPF
Coordinates (Lat/Long – Degrees/Decimal minutes):	49°21.183' N, 123°11.457' W		
Crown Species Composition (species %)	Fd70Cw20Hw		
Ladder Fuel Species Composition (species %)	Cw(Hw)		

	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)	Moderate	49

Comments:

Mature second growth C5 stand between new developments in the Cypress area. Gullied terrain with a major riparian area to the east. Consistently sloped.

Surface fuel is a patchwork of dead fines, salal, sword fern, and moss - fine woody debris is low volume on average, low end of the 10 - 25% range. Ladder fuels are from regenerating conifers and are patchy in nature, low end of the 10 - 39% horizontal coverage. Majority of overstory crowns are high. Healthy stand. No treatment recommended, but hazard could always be slightly reduced with minor thinning and pruning - would recommend focusing efforts close to structures.

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[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 Vancouver CWRP

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British Columbia Wildfire Service - Photo Guide

SITE INFORMATION Date Sampled: 2/21/25

Plot # CYPRESS-3

General Location: Highview (Cypress)

Coordinates: 49°21.183' N, 123°11.457' W

FBP Fuel Type: C-5

Slope (%): 50

Aspect (deg.): 240

Elevation (m): 338

Canopy Closure (%): 70

Average Forest Floor Depth (cm): 6

Photo comment:

Moss herb and shrub dominant.

Other (specif

SURFACE FUELS:

Other (specify)

LADDER FUELS

Photo Comment:

Scattered regenerating conifers and low drooping Cw / Hw branches from A3.

CROWN FUELS:

Other (specif

Photo Comment:

Moderate - high crown closure overall with canopy gaps throughout the stand.