Wildfire Threat Assessment Worksheet - Fuel Assessment (Site Level) **Plot #** CYPRESS-2

Location	Cypress Falls Park	Date 2/20/25	Assessor/ Professional Designation J. Sunderwald
Coordinates (Lat/Long – Degrees/Decimal minutes): 49°21.238', -123°14.435'			FIT
Crown Species Composition (species %)	Fd45Cw45Hw10		
Ladder Fuel Species Composition (species %)	Cw/Dead100(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% ○ 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	56

Comments:

Plot location is in the southern / central portion of Cypress Falls Park, with homes adjacent to the west. Hazard is highly variable throughout the stand, though this plot is representative of higher hazard pockets. High density and high canopy closure stem exclusion conifer stand.

Low volume scattered surface fuels with some elevated pockets. Considerable amount of Cw foliage throughout. Higher end of 10-25% FWD continuity.

Ladder fuels are mix of small diameter dead standing stems in stem exclusion areas, and CwHw regeneration in open areas. Low end of the 10 - 39% horizontal coverage.

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: 2/20/25

Plot # CYPRESS-2

General Location: Cypress Falls Park

Coordinates: 49°21.238', -123°14.435'

FBP Fuel Type: C-5

Slope (%): Variable < 30

Aspect (deg.): 240

Elevation (m): 220

Canopy Closure (%): 70

Average Forest Floor Depth (cm): 6

SURFACE FUELS:

Photo comment:

Low volume surface fuels on average, very little herb / shrub growth. Small pockets of elevated deadfall/breakage.

Other (specif

LADDER FUELS

Other (specify)

Photo Comment:

Dead standing small diameter stems and pockets of understory conifer regeneration.

CROWN FUELS:

Theodolite

Photo Comment:

High crown closure on average, majority from A1/A2 layers. Photo removed to reduce file size.