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

Location	Whytecliffe Park	Date 2/19/25	Assessor/ Professional Designation J. Sunderwald
Coordinates (Lat/Long – Degrees/Decimal minutes): 49°22.463', -123°17.162'			FIT
Crown Species Composition (species %)	Fd60Cw30Hw10		
Ladder Fuel Species Composition (species %)	Cw90Hw10		

	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	48

Comments:

Located in Whytecliff Park, adjacent to homes on Marine Drive. Old growth characteristics within stand. Foot trail access to the west coming from the main park area or from the end of Hycroft Road, but no access otherwise.
Salal and herbs are the dominant surface fuel, with scattered dead fines and FWD. Ladder fuels are patchy overall, but there is a low fuel strata gap for those that exist. Low density FdCw overstory with low branches in many areas.

Limited access for treatment and the hazard is very discontinuous overall. Likely would be much more effective to treat this as a FireSmart treatment for adjacent properties, rather than attempting to delineate and treat a continous area.
**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: 2/19/25

Plot # WHYTE-1

General Location: Whytecliffe Park

Coordinates: 49°22.463', -123°17.162'

FBP Fuel Type: C-5

Slope (%): Variable 20-40

Aspect (deg.): 110

Elevation (m): 38

Canopy Closure (%): 45

Average Forest Floor Depth (cm): 4-8

SURFACE FUELS:

Photo comment:

Herb and shrub dominant, scattered FWD and dead fines.

Other (specif

LADDER FUELS

Other (specify)

Photo Comment:

Patchy ladder fuels, multi-storied / structural variability within the stand.

CROWN FUELS:

Other (specif

Photo Comment:

Canopy gaps common, mix of low and high CBHs.