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

Location	Whyte Lake	Date 2/20/25	Assessor/ Professional Designation Q. Schmidt RPF
Coordinates (Lat/Long – Degrees/Decimal minutes):	49°22.757' N, 123°15.560' W		
Crown Species Composition (species %)	Fd85Cw10Hw5		
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% ○ 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	51

Comments:

Plot was accidentally located outside of eWUI. North of Whyte Lake off of hiking trail. Dense Fd stand with a continuous layer of salal and moss including scattered fine woody debris, in a generally flat area. Pockets of regenerating Cw but not continuous. Considerable dead standing A3 Fd which have died from competition and many have snapped in half. Very high crowns on overstory.

Fringe of C3-C5 but Transitioning to C5 as density decreases.

Treatment is not warranted given the isolated location.

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 Vancouver CWRP

PROJECT: West Vancouver CWRP

British Columbia Wildfire Service - Photo Guide

SITE INFORMATION Date Sampled: 2/20/25

Plot # WHYTE-LK-1

General Location: Whyte Lake

Coordinates: 49°22.757' N, 123°15.560' W

FBP Fuel Type: C-3

Slope (%): Variable < 5

Aspect (deg.): Variable (209)

Elevation (m): 339

Canopy Closure (%): 80

Average Forest Floor Depth (cm): 7

SURFACE FUELS:

Photo comment:

Scattered FWD from deadfall and breakage. Moss, herb, and shrub dominant.

Other (specif

LADDER FUELS

Other (specify)

Photo Comment:

Dead standing B / A3 Fd stems, minor Cw regeneration.

CROWN FUELS:

Other (specif

Photo Comment:

High density, low average diameter. Moderate to high crown closure but thin crowns overall.