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

Location	McKechnie Park	Date 2/20/25	Assessor/ Professional Designation Q. Schmidt
Coordinates (Lat/Long – Degrees/Decimal minutes): 49°20.575' N, 123°13.170' W			RPF
Crown Species Composition (species %)	Fd(Cw)		
Ladder Fuel Species Composition (species %)	CwDead		

	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	41

Comments:

NE corner of McKechnie park, away from any established trails and approximately 50m from homes. Very mature and C5 stand, low hazard on average with pockets of hazard from deadfall and low Cw branches. Pockets of Cw mortality throughout the park.

Moss, salal, sword fern combo is dominant but there is blackberry and scotch broom found throughout the park. Woody fuel is scattered and low volume on average. Ladder fuels scattered, low vertical continuity on average.

Treatment could be done but would not change hazard very much. Could focus adjacent to homes and trails if desired. Would just be deadfall abatement, snagging, and pruning.

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

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British Columbia Wildfire Service - Photo Guide

SITE INFORMATION Date Sampled: 2/20/25

Plot # McKech-1

General Location: McKechnie Park

Coordinates: 49°20.575' N, 123°13.170' W

FBP Fuel Type: C-5

Slope (%): Up to 25. Variable

Aspect (deg.): 198

Elevation (m): 103

Canopy Closure (%): 60

Average Forest Floor Depth (cm): 2-6

SURFACE FUELS:

Photo comment:

Pockets of deadfall - though moss/herb/shrub on average.

Other (specif

LADDER FUELS

Other (specify)

Photo Comment:

Very scattered. Minor low drooping and minor regenerating conifer.

CROWN FUELS:

Other (specif

Photo Comment:

Moderate - high on average, canopy gaps do exist.