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

Location	Sahalee Trail	Date 2/19/25	Assessor/ Professional Designation J. Sunderwald
Coordinates (Lat/Long – Degrees/Decimal minutes): 49°21.323', -123°15.312'			FIT
Crown Species Composition (species %)	Fd50Cw30Hw10Mb10		
Ladder Fuel Species Composition (species %)	Hw75Cw25		

	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	45

Comments:

Municipal park area (Keith Park), upslope of the Sahalee trail, between Westhaven-Wynd and Highway 1. Steep rocky slope with a footpath and the bottom and a hydro line right of way above, and a creek and riparian area separating houses to the west.

Continuous litter - mainly leaves and conifer foliage. Low - moderate deadfall which is likely to increase as dead standing trees continue to come down. Considerable amount of understory dead standing Cw. Very minimal ladder fuels with low continuity overall. Moderately high crown closure. Large overstory trees with relatively low stems per hectare.

Could abate surface fuels and dead standing trees but access into area is very difficult.
**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 # SAHALEE-1

General Location: Sahalee Trail

Coordinates: 49°21.323', -123°15.312'

FBP Fuel Type: C-5

Slope (%): 20-70

Aspect (deg.): 242

Elevation (m): 116

Canopy Closure (%): 70

Average Forest Floor Depth (cm): 3-8

SURFACE FUELS:

Photo comment:

Dead fines mixed with sworn fern and moss.

Other (specif

LADDER FUELS

Other (specify)

Photo Comment:

Scattered dead stems and regenerating stems, minor low drooping from overstory stems.

CROWN FUELS:

Other (specif

Photo Comment:

Moderate - high crown closure overall, considerable dead standing Cw. Photo removed to reduce file size.