PROJECT: DWV CWPP Update

## WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

✓ Pre-treatment ☐ Post-treatment

| | |
|---|---|
| Plot #: WHY-1 | Community: District of West Vancouver |
| Assessor: L. Brown | Geographic Location/Street Name: Whyte Lake - Baden Powell |
| Date: 5/6/19 | GPS/UTM: 49°22'50.4" N, 123°15'27.1" W |
| Photos: Y ☑ N ☐ #: 5 | Land Ownership: ☑ Crown ☐ Private ☐ I.R. Other (specify) |

Est. Fuel Type
C-3

% Hardwood (M-1/2)

| COMPONENT /Subcomponent | LEVELS | | | | |
|---|---|---|---|---|---|
| **Fuel** | **A** | **B** | **C** | **D** | **E** |
| 1 *Duff Depth and Moisture Regime (cm)* | 1–<2<br>3 | 2–<5<br>Dry Zonal Wet<br>5 3 1 | 5–<10<br>Dry Zonal Wet<br>10 6 ☒ 2 | 10–20<br>Dry Zonal Wet<br>12 8 4 | >20<br>Dry Zonal Wet<br>15 10 5 |
| 2 *Surface Fuels Continuity (% cover)* | <20<br>0 | 20–40<br>2 | 41–60<br>3 | 61–80<br>4 | >80<br>5 |
| 3 *Vegetation Fuel Composition* | Moss, Herbs, Irrigated Crops, Low Flammability Weeds<br>1 | Herbs, Deciduous Shrubs<br>2 | Lichen, Conifer Shrubs<br>3 | Pinegrass, Juniper<br>4 | Sagebrush, Bunchgrass, Antelope Brush, Scotch Broom<br>5 |
| 4 *Fine Woody Debris Continuity (<=7cm) (% cover)* | <1 coverage<br>1 | Scattered, <10 coverage<br>5 | 10-25 coverage<br>7 | >25 coverage, < 10 cm deep<br>10 | >25 coverage, > 10 cm deep<br>15 |
| 5 *Large Woody Debris Continuity (>7cm) (% cover)* | <1 coverage<br>1 | Scattered, <10 coverage<br>2 | 10-25 coverage<br>5 | > 25 coverage, not elevated<br>7 | >25 coverage, partially elevated<br>10 |
| 6 *Live and Dead Coniferous Crown Closure (%)* | <20<br>2 | 20–40<br>5 | 41–60<br>10 | 61–80<br>15 | >80<br>10 |
| 7 *Live Deciduous Crown Closure (%)* | >80 or <40% coniferous crown closure<br>0 | 61-80<br>2 | 41–60<br>3 | 20–40<br>4 | <20<br>5 |
| 8 *Live and Dead Conifer Crown Base Height (m)* | 5+ or <20% conifer crown closure<br>0 | 3–5<br>5 | 2–<3<br>7 | 1–<2<br>10 | < 1<br>15 |
| 9 *Live and Dead Suppressed and Understorey Conifers (stems/ha)* | 0-500<br>2 | 501-1000<br>5 | 1001-2000<br>10 | 2001-4000<br>20 | >4000<br>30 |
| 10 *Forest Health (% of dominant and co-dominant stems)* | Standing Dead and Partly Down < 5 or <20 stems/ha<br>0 | Standing Dead and Partly Down<br>5-25<br>5 | Standing Dead and Partly Down<br>>25-50<br>10 | Standing Dead and Partly Down<br>>50 - 75<br>20 | Standing Dead and Partly Down<br>>75<br>30 |
| 11 *Continuous Forest/Slash Cover within 2km (%)* | 0-20<br>0 | 21-40<br>3 | 41-60<br>5 | 61-80<br>7 | >80<br>10 |
| | | | | **Sub Total** | 65 /155* |

| **Weather** | **A** | **B** | **C** | **D** | **E** |
|---|---|---|---|---|---|
| 12 *Biogeoclimatic Zone* | AT, Irrigated<br>1 | CWH, CDF, MH<br>Dry Zonal Wet<br>5 3 ☒ 1 | ICH, SBS, ESSF<br>Dry Zonal Wet<br>10 7 3 | IDF, MS, SBPS, CWH ds1 & ds2, BWBS, SWB – Dry Zonal Wet<br>15 10 5 | PP, BG<br>15 |
| 13 *Historical Wildfire Occurrence (by WMB Fire Zone)* | G5, R1, R2, G6, V5, R9, V9, V3, R5, R8, V7<br>1 | G3, G8, R3, R4, V6, G1, G9, V8<br>5 | G7, C5, G4, C4, V1, C1, N6<br>8 | K1, K5, K3, C2, C3, N5, K6, N4, K7, N2<br>10 | N7, K4, K2, N1<br>15 |
| | | | | **Sub Total** | 11 /30 |

| **Topography** | **A** | **B** | **C** | **D** | **E** |
|---|---|---|---|---|---|
| 14 *Aspects (>15% slope)* | North<br>0 | East<br>5 | <16% slope all aspects<br>10 | West<br>12 | South<br>15 |
| 15 *Slope (%)* | <16<br>1 | 16–29 and max score for North slopes<br>5 | 30–44<br>10 | 45-54<br>12 | >55<br>15 |
| 16 *Terrain* | Flat<br>1 | Rolling<br>3 | Sloped terrain, minor low relief draws<br>5 | Consistent slope, deep draws or shallow gullies<br>7 | Consistent slope, deep gullies<br>10 |
| 17 *Landscape/ Topographic Limitations to Wildfire Spread* | < 5 ha isolated forest land<br>1 | North and/or east aspects dominate, wildfire spread restricted from South and/or West<br>2 | Mountainous terrain, broken topography, regular aspect and slope changes, multiple restrictions to wildfire spread large water bodies<br>5 | Rolling terrain, minor water bodies, minimal aspect and slope changes, minor restrictions to wildfire spread<br>10 | Continuous, consistent topography No restriction to wildfire spread<br>15 |
| | | | | **Sub Total** | 27 /55 |
| **FUEL, WEATHER AND TOPOGRAPHY** | | | | **WILDFIRE BEHAVIOUR THREAT SCORE** | 103 /240** |

| **Structural** | **A** | **B** | **C** | **D** | **E** |
|---|---|---|---|---|---|
| 18 *Position of Structure/ Community on Slope* | No Structures Values within 2 km<br>0 | Bottom of slope, valley bottom<br>5 | Mid-slope benchland, elevated valley, <16% slope<br>10 | Mid-slope continuous, >15% slope<br>12 | Upper 1/3 of Slope<br>15 |
| 19 *Type of Development* | No Structures Values within 2 km<br>0 | Perimeter Interface, no inclusions<br>3 | Perimeter Interface, with inclusions<br>5 | Intermix > 1 structure/ha<br>8 | Intermix <1 structure/ha Infrastructure<br>10 |
| 20 *Position of Assessment Area Relative to Values* | No Structures Values within 2 km<br>0 | Above<br>>500 200-500 <200 m<br>1 ☒ 10 20 | Sidehill<br>>500 200-500 <200 m<br>1 12 25 | Flat/Rolling<br>>500 200-500 <200 m<br>1 12 25 | Below<br>>500 200-500 <200 m<br>1 15 30 |
| | | | | **WILDLAND URBAN INTERFACE WILDFIRE THREAT SCORE** | 14 /55 |
| | | | | **TOTAL WILDFIRE THREAT SCORE** | 117 /295 |

*Proceed only if Fuel sub total is>29.

** Proceed to Structural component only if Wildfire Threat Behaviour Score is >95 for untreated polygons.

**Wildfire Behaviour Threat Class** (check applicable class)

| | | |
|---|---|---|
| Low | 0-40 | ☐ |
| Moderate | 41-95 | ☐ |
| High | 96-149 | ☒ |
| Extreme | >149 | ☐ |

**Wildland Urban Interface Threat Class** (check applicable class)

| | | |
|---|---|---|
| Low | 0-13 | ☐ |
| Moderate | 14-26 | ☒ |
| High | 27-39 | ☐ |
| Extreme | >39 | ☐ |

*Last Updated: January 24, 2013*

Comments: Access road to Whyte Lake, high density stands adjacent to trail. Thin from below, surface fuel removal, and

| | Photo Direction | Comment: |
|---|---|---|
| Ladder Fuels | North | |

| | Photo Direction | Comment: |
|---|---|---|
| Ladder Fuels | East | |

| | Photo Direction: | Comment: |
|---|---|---|
| Ladder Fuels | South | |

| | Photo Direction: | Comment: |
|---|---|---|
| Ladder Fuels | West | |

| | Photo Direction: | Comment: |
|---|---|---|
| Canopy Fuels | Other (specif | |