PROJECT: DWV CWPP Update

## WILDLAND URBAN INTERFACE WILDFIRE THREAT ASSESSMENT WORKSHEET

☑ Pre-treatment ☐ Post-treatment

| | |
|---|---|
| Plot #: KEN-1 | Community: District of West Vancouver |
| Assessor: J. Cowan | Geographic Location/Street Name: McKenchnie Park |
| Date: 4/17/19 | GPS/UTM: 49°20'35.1", -123°13'15.7" |
| Photos: Y ☑ N ☐ #: 5 | Land Ownership: ☑ Crown ☐ Private ☐ I.R. Other (specify) Municipal |

Est. Fuel Type

C-5

% 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** | 57 **/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** | 34 **/55** |
| **FUEL, WEATHER AND TOPOGRAPHY** | | | | **WILDFIRE BEHAVIOUR THREAT SCORE** | 102 **/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** | 16 **/55** |
| | | | | **TOTAL WILDFIRE THREAT SCORE** | 118 **/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: Patches of high fuel loading are present along steep gradient which leads up to Mathers Ave. Some treatment

| | Photo Direction | Comment: |
|---|---|---|
| Forest Floor | West | |

| Photo Direction | | Comment: |
|---|---|---|
| Forest Floor | East | |

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

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

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