

# Fuel Management Prescription

| A. PROJECT IDENTIFICATION                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <p>PROJECT ID AND UNIT ID:<br/>Face Paska Fuel Management Project:<br/>Fuel Treatment Unit (FTU) FP1, FP2, FP3 &amp; FP4</p>                                                                                                                   | <p>LAND OR TENURE HOLDER:<br/>Provincial Crown Land consisting of the following tenures:</p> <ul style="list-style-type: none"> <li>• FP1: Thompson Rivers Forest District (No tenure holder)</li> <li>• FP2 and FP3: Logan Lake Community Forest</li> <li>• FP4: BC Timber Sales Operating Area</li> </ul> <p>Authorizations for treatments will include the following:</p> <ul style="list-style-type: none"> <li>• FP1 and FP4: Forestry License to Cut (FLTC)</li> <li>• FP2 and FP3: LLCF Cutting Permit</li> </ul> |
| <p>LATITUDE/LONGITUDE:<br/>50.53315°N<br/>120.64251°W</p>                                                                                                                                                                                      | <p>GEOGRAPHIC DESCRIPTION:<br/>In the immediate vicinity of Face and Paska Lakes. 15 km northwest of Logan Lake, BC</p>                                                                                                                                                                                                                                                                                                                                                                                                  |
| <p>HIGHER-LEVEL PLAN(S):<br/>Logan Lake Community Forest: Forest Stewardship Plan #649 (FSP, 2020)<br/>Logan Lake Community Forest: Wildfire Risk Management Plan (WRMP, 2018)<br/>Kamloops Land and Resource Management Plan (LMRP, 1995)</p> | <p>MAP REFERENCE NUMBER:<br/>92I.057.2.4.3, 92I.057.2.4.1</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| B. PROJECT DESCRIPTION |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <p>OBJECTIVE:</p>      | <p>The Face Paska community is located northeast of Logan Lake, BC adjacent to Face and Paska Lakes. This residential and recreational area was identified as high risk from wildfire impacts and as a priority location for fuel management by the Logan Lake Wildfire Risk Management Plan (WRMP, 2018) and the BC Wildfire Service's Provincial Strategic Threat Analysis (PSTA) dataset. Further field reconnaissance identified Fuel Treatment Units (FTUs) FP1, FP 2, FP 3 and FP4, based on fuels, topography, administrative boundaries, and the location of values at risk. All four units are located adjacent to private residences and a popular resort. Treatments are intended to increase public safety while providing for other values such as cultural, recreational, visual and ecological in the area.</p> <p>Although wildfires are a natural component of these forest ecosystems, the proximity of the forest fuels in these FTUs to residences and other values poses considerable risks warranting mitigation. Spruce-pine forests that characterize the Face Paska area are dense and capable of sustaining crown fires under critical fire weather. The area was severely impacted by the mountain pine beetle (<i>Dendroctonus ponderosae</i>) epidemic in 2003, causing significant mortality of lodgepole pine (<i>Pinus contorta</i>). Salvage logging was conducted in many stands near the lakes, however the forest directly adjacent to the lakes and community have received limited fuels mitigation, and significant hazard remains. Pine-beetle-related mortality and associated increases in windthrow have altered surface fuel loads by depositing dry, dead and downed logs, branches, and needles, which become available to burn under a wider range of conditions and with high intensity. Similarly, standing dead trees in the canopy can easily propagate fire vertically into the crowns of adjacent trees, and serve to lower the overall moisture content of the aerial fuels. Surface fuel loads are generally highest in openings where windthrow is concentrated, and added sunlight accelerates their drying. The ember showers and flames that could be produced by fires burning in these FTUs could overwhelm fire suppression capabilities and threaten human life and safety in the community. The remote nature of the Face Paska area and its location on a dead-end road is such that entrapment during an evacuation is possible and long suppression response times are likely.</p> <p>These fuel management treatments will seek to reduce wildfire threat by creating a buffer of treated area directly adjacent to the community, mitigating future fire severity and creating more fire-resistant stand</p> |

| B. PROJECT DESCRIPTION |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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|                        | <p>structures and may also enhance the resilience of the forest ecosystems present, by reducing the risk of total deforestation and soil sterilization in a single severe wildfire event.</p> <p>Prescriptions have been written to balance a range of considerations, including hydrological concerns, windthrow risks, visuals, wildlife habitat, commercial tourism, and recreation values.</p> <p><b>Specific wildfire objectives include:</b></p> <ul style="list-style-type: none"> <li>• Reduce surface fire intensity to below critical thresholds for crown fire initiation;</li> <li>• Reduce potential for passive (e.g. torching) and active crowning and associated ember production;</li> <li>• Create better and safer suppression opportunities for fire personnel; and</li> <li>• Create safer evacuation conditions within the community.</li> </ul> <p><b>Social, cultural, and environmental objectives include:</b></p> <ul style="list-style-type: none"> <li>• Retain a healthy and resilient forested ecosystem in all units;</li> <li>• Minimize the risk of negative hydrological impacts associated with treatment operations and/or post-treatment conditions;</li> <li>• Protect identified First Nations cultural and archaeological features</li> <li>• Manage for visual quality and recreation values.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| STRATEGIES:            | <p>The following strategies will be used to reduce wildfire threat with considerations for other values.</p> <p><b>Reduction in surface fuel loading:</b><br/>Remove excessive surface fuel loads to reduce surface fireline intensity and flame residence time and thereby:</p> <ul style="list-style-type: none"> <li>• Increase the chances of tree survival by reducing heating of the cambium and foliage;</li> <li>• Reduce the potential for severe soil effects and seed-bed destruction; and</li> <li>• Reduce the potential for passive (e.g. torching) and active crown fire behavior through reduction in degree of potential aerial fuel preheating.</li> </ul> <p><b>Increased canopy base height:</b><br/>Prune low branches and remove suppressed understory trees to increase the separation between surface and canopy fuels (the “strata gap”). This separation increases the fire intensity and flame lengths necessary to sufficiently heat aerial fuels to their ignition temperature, and thereby decreases the potential for crown fire initiation. Low branches and foliage can also act as “ladder fuels” which propagate fire vertically into tree crowns, and their removal further decreases the ability of a crown fire to initiate within the stand.</p> <p><b>Reduction in standing dead trees:</b><br/>Remove standing dead trees not designated as high-value wildlife trees or culturally significant trees to reduce passive and active crown fire hazard. Dead trees contain less moisture in their tissues than live trees, and thus burn and propagate fire vertically more readily. They also pose significant safety hazards to fire personnel during suppression and mop-up operations, as their roots are more easily compromised by fire, and they are often more difficult and dangerous to fall in a controlled manner. Removal of existing standing dead trees will also decrease the overall continuity of aerial fuels, further decreasing the likelihood of crown fire initiation and spread.</p> <p><b>Retention of live overstory:</b><br/>Retain all live, healthy overstory trees except those that must be removed for operational or safety considerations. This approach is designed to achieve the following:</p> <ul style="list-style-type: none"> <li>• Minimize windthrow risks in the post-treatment stand;</li> <li>• Minimize hydrological impacts associated with treatment;</li> <li>• Provide for wildlife habitat values;</li> <li>• Maintain recreational and visual-quality values associated with forested stands; and</li> </ul> |

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| B. PROJECT DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                         |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <ul style="list-style-type: none"> <li>Provide for continued surface fuel shading to minimize ignition risk.</li> </ul> |
| <p><b>METHODS:</b></p> <p><b>Field Marking:</b><br/>The external boundary of this FTU was marked with orange flagging printed with <b>FOREST FUEL TREATMENT AREA</b>. Machine Free Zones (MFZ) are marked with orange ribbon printed with <b>MACHINE FREE ZONE</b>. Wildlife Tree Retention Areas (WTRA) are marked with orange <b>WILDLIFE TREE PATCH</b> ribbon.</p> <p><b>Field Sampling/Data Collection:</b><br/>Stand inventory information was collected through a combination timber cruise and fixed radius inventory plots on a 100x100 m grid (1 plot/ha). At each plot location, mature tree (Layer 1) timber data was collected using a BAF prism, while understory stem information (Layer 2-4) was collected using a 3.99 m fixed radius plot. Surface fuel loading information was collected using visual estimation/Photo Guide for Quantifying Forest Stands in British Columbia #501 and #502.</p> <p><b>Fuel Treatment: Hand and/or Small Machine</b> – A fuel treatment will be completed using hand crews and small equipment. Activities may include:</p> <ul style="list-style-type: none"> <li>Hand felling of standing dead trees and danger trees;</li> <li>Hand spacing of understory stems (&lt;12.5 cm DBH);</li> <li>Pruning of branches;</li> <li>Bucking and stacking of logs;</li> <li>Debris piling, and</li> <li>Open burning.</li> </ul> |                                                                                                                         |

| C. TREATMENT UNIT (TU) SUMMARY |                         |                 |                  |         |          |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|-------------------------|-----------------|------------------|---------|----------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FTU                            | NET TREATMENT AREA (ha) | GROSS AREA (ha) | LEAVE AREAS (ha) | NP (ha) | NAR (ha) | TREATMENT REGIME (i.e. prune, thin, pile, burn)                              | GENERAL DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| FP1                            | 3.4                     | 3.7             | 0.3              | -       | 3.4      | Hand falling, understory spacing, pruning, machine piling, and open burning. | Mixed conifer stands dominated by hybrid spruce (Sx) and lodgepole pine (PI) with a minor component of aspen (At) and subalpine fir (BI). Significant mortality of PI caused by mountain pine beetle has resulted in a high proportion of standing dead in the canopy and high volumes of dead surface debris where trees have fallen. Terrain is generally flat with minor slopes of 5 – 10%. Forest floor vegetation is primarily red-stemmed feathermoss, bunchberry, and twinflower. FP3 and FP4 are within Lakeshore Management Zone (LMZ) of Face Lake. |
| FP2                            | 3.2                     | 3.7             | 0.5              | -       | 3.2      |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| FP3                            | 11.0                    | 11.8            | 0.5              | 0.3     | 11.0     |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| FP4                            | 15.4                    | 16.6            | 1.2              | -       | 15.4     |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| TOTALS                         | 33.0                    | 35.8            | 2.6              | 0.3     | 33.0     |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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| D. SITE CHARACTERISTICS |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     |                     |                  |                 |          |
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| TU                      | CFFBPS FUEL TYPE | TIMBER TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | BGC SUBZONE, VARIANT & SITE ASSOC.  | ELEVATION RANGE (m) | SLOPE POSITION   | SLOPE RANGE (%) | ASPECT   |
| FP1                     | C2/S1            | SxPI (BlAt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MS xk2 06 (70%), 01 (20%), 08 (10%) | 1450 – 1480         | Flat/lower slope | 0-10%           | Variable |
| FP2                     | C2/S1            | SxPI (BlAt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MS xk2 01 (90%), 08(10%)            | 1475 – 1500         | Flat/lower slope | 0-15%           | SE/SW    |
| FP3                     | C2/S1            | SxPI (BlAt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MS xk2 06                           | 1460 – 1530         | Flat/lower slope | 0-32%           | E        |
| FP4                     | C2/S1            | SxPI (BlAt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MS xk2 07(70%), 06(30%)             | 1460 – 1500         | Flat/lower slope | 0-25%           | W        |
| FUEL TYPE DETERMINATION |                  | This site is not an exact match for any specific CFFDRS fuel type, but the often accepted fuel type for such stands is C2 <sup>1</sup> . In some larger openings created by pine mortality in the TUs, S1 may be more representative of potential fire behavior. As a result, targets set in this prescription (i.e. removal of dead standing/blowdown trees, reduction in surface fuel loading, 3 m pruning height to the lowest branch, surface fuels not elevated, and managing fuels up to 20 cm diameter) meet or exceed BCWS requirements and are designed to create significant reduction in potential wildfire intensity and severity. |                                     |                     |                  |                 |          |

| E. SOIL CHARACTERISTICS |              |                |                      |                            |                     |          |              |
|-------------------------|--------------|----------------|----------------------|----------------------------|---------------------|----------|--------------|
| TU                      | SOIL TEXTURE | LFH DEPTH (cm) | COARSE FRAGMENTS (%) | SOIL DISTURBANCE LIMIT (%) | SOIL HARZARD RATING |          |              |
|                         |              |                |                      |                            | Compaction          | Erosion  | Displacement |
| FP1                     | SiL          | 5.5            | 60                   | 10                         | High                | High     | Low          |
| FP2                     | LS           | 6              | 40                   | 10                         | Low                 | Moderate | Moderate     |
| FP3                     | SiCL         | 6              | 20                   | 5                          | Very High           | High     | Low          |
| FP4                     | SCL          | 6              | 15                   | 5                          | Very High           | Moderate | Moderate     |

| F. VALUES – FOREST AND RANGE PRACTICES ACT                                                                                                                                                                   |          |    |                                                                                                                                                      |
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| <b>RIPARIAN &amp; LAKESHORE AREAS</b> - Forest Planning and Practices Regulation (FPPR) division 3, Government Action Regulation (GAR) section 6, Forest and Range Practices Act (FRPA) sections 180 and 181 |          |    |                                                                                                                                                      |
| Is the proposed cutting, modification or removal of trees, or site preparation, in an area that contains streams, lakes or wetlands?                                                                         | Yes<br>X | No | The FTUs are located adjacent to Face and Paska Lakes and several classifiable stream features. Riparian management requirements are outlined below. |
| <b>RIPARIAN MANAGEMENT AREAS (RMAs) and LAKESHORE MANAGEMENT AREAS (LMAs)</b> - FPPR sections 51 and 52; GAR section 6, Kamloops Lakes Local Resource Use Plan (LRUP)                                        |          |    |                                                                                                                                                      |

<sup>1</sup> British Columbia Wildfire Fuel Typing and Fuel Type Layer Description (2017).

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| <b>F. VALUES – FOREST AND RANGE PRACTICES ACT</b>                                                                                                 |                          |         |                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| STREAM, LAKE, WETLAND ID                                                                                                                          | CLASS                    | RRZ (m) | RMZ/RMA (m)                                                                                                                                                 | SPECIFICATIONS FOR RIPARIAN MANAGEMENT AREAS (RMAs) and/or LAKESHORE MANAGEMENT AREAS (LMAs)                                                                                                                                                                                                                                                                                                                                                                        |
| Face Lake (FP3 and FP4)<br>Paska Lake (FP1 and FP2)                                                                                               | L1-B (FPPR)/<br>B (LRUP) | 10      | 10 (RMA)                                                                                                                                                    | FP1, FP2, FP3, and FP4 overlap with the Lakeshore Management Zones (LMZ) of Face Lake (Class B, Kamloops LRUP) and Paska Lake (Class B, Kamloops LRUP). The treatment approach will only utilize hand crews and/or small equipment. No new road construction is proposed. This will meet LMZ requirements.<br><br>The Visual Quality Objective for the portion of treatment areas overlapping the LMZ is Retention and will be achieved by the proposed treatments. |
| S2-1 (FP1) – Paska Creek                                                                                                                          | S2                       | 30      | 20 (RMZ)                                                                                                                                                    | The block is a minimum 30 m from the edge of this feature. Within the RMZ, no new roads will be constructed and ≥25% of the basal area within the riparian management zone will be retained as standing trees that are reasonably representative of the physical structure of the riparian area before treatment.                                                                                                                                                   |
| S4-1 (FP2)                                                                                                                                        | S4                       | 0       | 20 (RMZ)                                                                                                                                                    | The block is a minimum 10 m from the edge of this feature. Within the RMZ, no new roads will be constructed and ≥25% of the basal area within the riparian management zone will be retained as standing trees that are reasonably representative of the physical structure of the riparian area before treatment.                                                                                                                                                   |
| S4-1 (FP4)                                                                                                                                        | S4                       | 0       | 20 (RMZ)                                                                                                                                                    | The block is a minimum 10 m from the edge of this feature. Within the RMZ, no new roads will be constructed and ≥25% of the basal area within the riparian management zone will be retained as standing trees that are reasonably representative of the physical structure of the riparian area before treatment.                                                                                                                                                   |
| W3-1 (FP1)                                                                                                                                        | W3                       | 10      | 20                                                                                                                                                          | The block is a minimum 10 m from the edge of this feature. Within the RMZ, no new roads will be constructed and ≥25% of the basal area within the riparian management zone will be retained as standing trees that are reasonably representative of the physical structure of the riparian area before treatment.                                                                                                                                                   |
| NCW-1 (FP1)                                                                                                                                       | NCW                      | 0       | 0                                                                                                                                                           | This feature has been excluded from the treatment area.                                                                                                                                                                                                                                                                                                                                                                                                             |
| NCW-1 (FP2)                                                                                                                                       | NCW                      | 0       | 0                                                                                                                                                           | This feature has been excluded from the treatment area.                                                                                                                                                                                                                                                                                                                                                                                                             |
| NCW-1 (FP4)                                                                                                                                       | NCW                      | 0       | 0                                                                                                                                                           | This feature has been placed into a 7 m minimum MFZ.                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>TEMPERATURE SENSITIVE STREAMS - FPPR section 53, GAR section 15, FRPA sections 180 and 181</b>                                                 |                          |         |                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Are there temperature sensitive streams or direct tributaries to temperature sensitive streams within or adjacent to the proposed treatment area? | Yes                      | No<br>X | There are streams present adjacent to several of the treatment units, but do not fit the criteria of temperature sensitive as defined in these regulations. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ROAD CONSTRUCTION IN RIPARIAN MANAGEMENT AREAS - FPPR section 50</b>                                                                           |                          |         |                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Is road construction proposed in riparian management areas within the treatment area or                                                           | Yes                      | No<br>X | There is no new road construction proposed within riparian management areas in any of the four treatment units.                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |



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| <b>F. VALUES – FOREST AND RANGE PRACTICES ACT</b>                                                                                                                                                                                           |     |         |                                                                                                                                                                                                                                                                                                                                                                                       |
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| an associated road permit (RP)?                                                                                                                                                                                                             |     |         |                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>STREAM CROSSINGS – FPPR section 55</b>                                                                                                                                                                                                   |     |         |                                                                                                                                                                                                                                                                                                                                                                                       |
| Will stream crossings be constructed within the proposed treatment area or a road permit road providing access to the treatment area?                                                                                                       | Yes | No<br>X | No new stream crossings will be constructed within or to access the treatment area.                                                                                                                                                                                                                                                                                                   |
| <b>MAINTAINING STREAM BANK AND CHANNEL STABILITY ON S4, S5, and S6 STREAMS - FPPR section 52 (2)</b>                                                                                                                                        |     |         |                                                                                                                                                                                                                                                                                                                                                                                       |
| Is the proposed treatment in the RMZ of an S4, S5 or S6 stream that is directly tributary to an S1, S2 or S3 stream and the activity is likely to contribute significantly to the destabilization of the stream bank or the stream channel? | Yes | No<br>X | The proposed treatments are within the RMZ of S4 streams in FP2 and FP4. Both S4 streams are a minimum of 5 m outside the treatment area.                                                                                                                                                                                                                                             |
| <b>DOMESTIC WATER LICENCES (inside or outside of community watershed) - FPPR section 59</b>                                                                                                                                                 |     |         |                                                                                                                                                                                                                                                                                                                                                                                       |
| Does the proposed treatment area contain water sources that are diverted for human consumption by a licensed waterworks?                                                                                                                    | Yes | No<br>X | There are no known water PODs within the proposed treatment areas. Verified on iMap BC January 7, 2021.                                                                                                                                                                                                                                                                               |
| <b>LICENCED WATER WORKS (inside or outside of a community watershed) – FPPR section 60</b>                                                                                                                                                  |     |         |                                                                                                                                                                                                                                                                                                                                                                                       |
| Does the proposed treatment include areas that are within 100 m of a licensed waterworks?                                                                                                                                                   | Yes | No<br>X | There is water licenses located 150 m away from FP1 on the north shore of Paska Lake. Verified on iMap BC January 7, 2021. Domestic water licenses are managed by conducting operations on frozen ground and minimizing removal of live overstory trees that contribute to hydrologic function.                                                                                       |
| <b>FISHERIES SENSITIVE WATERSHED – GAR section 14, FPPR section 8.1</b>                                                                                                                                                                     |     |         |                                                                                                                                                                                                                                                                                                                                                                                       |
| Are any activities proposed within a fisheries sensitive watershed?                                                                                                                                                                         | Yes | No<br>X | The proposed treatment areas are not within a fisheries sensitive watershed. Verified on iMap BC January 7, 2021.                                                                                                                                                                                                                                                                     |
| <b>COMMUNITY WATERSHED – GAR section 8, FPPR section 8.2, 61, 62 and 84</b>                                                                                                                                                                 |     |         |                                                                                                                                                                                                                                                                                                                                                                                       |
| Does the proposed treatment area include areas that are within a community watershed?                                                                                                                                                       | Yes | No<br>X | The proposed treatment areas are not within a community watershed. Verified on iMap BC January 7, 2021.                                                                                                                                                                                                                                                                               |
| Will this project require road construction or deactivation within a community watershed?                                                                                                                                                   | Yes | No<br>X | N/A                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>WATERSHED ASSESSMENT CONSIDERATIONS – FRPA section 180 areas with “significant watershed sensitivity”</b>                                                                                                                                |     |         |                                                                                                                                                                                                                                                                                                                                                                                       |
| Does the proposed treatment area include areas that have watershed assessment considerations?                                                                                                                                               | Yes | No<br>X | The FTUs do not include areas with watershed assessment considerations as defined in FRPA section 180. However, as part of the prescription development process, a Professional Hydrologist was consulted and provided recommendations/input on plans for fuel management in the Face Paska area. In order to manage for watershed values, the following strategies will be utilized: |

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|                                                                                                             |                                                      |                                                            | <ul style="list-style-type: none"> <li>• Cutting parameters are primarily targeted towards blowdown and dead standing trees (which do not contribute to hydrologic function),</li> <li>• Treatments will be completed using hand crews and/or small equipment only (i.e. no commercial harvesting) to minimize ground disturbance and impacts to healthy overstory.</li> <li>• No new road construction is proposed. Some new small equipment access trails may be required.</li> </ul> |                                                                 |
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| <b>SOIL DISTURBANCE AND PERMANENT ACCESS STRUCTURES - FPPR sections 35 and 36</b>                           |                                                      |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                 |
| Treatment Unit                                                                                              | Proposed Max. Allowable Soil Disturbance (5% or 10%) | Proposed Max. Soil Disturbance for Roadside Work Areas (%) | Proposed Max. Permanent Access Structures (%)                                                                                                                                                                                                                                                                                                                                                                                                                                           | Comments                                                        |
| FP1                                                                                                         | 10                                                   | 25                                                         | 0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | There are no permanent access structures proposed in this unit. |
| FP2                                                                                                         | 10                                                   | 25                                                         | 0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | There are no permanent access structures proposed in this unit. |
| FP3                                                                                                         | 5                                                    | 25                                                         | 0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | There are no permanent access structures proposed in this unit. |
| FP4                                                                                                         | 5                                                    | 25                                                         | 0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | There are no permanent access structures proposed in this unit. |
| Do the proposed Permanent Access Structures exceed 7% of the total area?                                    | Yes                                                  | No<br>X                                                    | See above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                 |
| <b>LANDSLIDES AND TERRAIN STABILITY - FPPR section 37</b>                                                   |                                                      |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                 |
| Does the proposed treatment area include areas where terrain stability is a concern?                        | Yes                                                  | No<br>X                                                    | The proposed treatment units are located in gentle terrain with no known terrain stability concerns.                                                                                                                                                                                                                                                                                                                                                                                    |                                                                 |
| <b>SUITABLE SECONDARY STRUCTURE - FPPR section 43.1</b>                                                     |                                                      |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                 |
| Does the proposed treatment area include a "targeted pine leading stand"?                                   | Yes                                                  | No<br>X                                                    | FP1 is smaller than 5ha, and thus Section 43.1 does not apply. Timber cruise data from FP3 and FP4 indicates that stands in these FTUs are not pine-leading.                                                                                                                                                                                                                                                                                                                            |                                                                 |
| <b>UNGULATE WINTER RANGE - GAR section 12, FRPA sections 180 and 181, FPPR section 69</b>                   |                                                      |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                 |
| Does the proposed treatment area include areas within an Ungulate Winter Range?                             | Yes                                                  | No<br>X                                                    | The proposed treatment units do not overlap any area designated as proposed or approved Ungulate Winter Range. Verified on iMap BC January 7, 2021.                                                                                                                                                                                                                                                                                                                                     |                                                                 |
| <b>WILDLIFE HABITAT AREA - GAR section 10, FRPA sections 180 and 181, FPPR section 69</b>                   |                                                      |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                 |
| Does the proposed treatment area include any wildlife habitat areas (WHA)?                                  | Yes                                                  | No<br>X                                                    | These treatment units do not overlap WHAs. Verified on iMap BC January 7, 2021.                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                 |
| <b>OBJECTIVES SET BY GOVERNMENT FOR WILDLIFE - FPPR section 7</b>                                           |                                                      |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                 |
| Does the proposed treatment area include areas to which objectives for wildlife under FPPR section 7 apply? | Yes                                                  | No<br>X                                                    | <p>The treatment unit does not overlap any areas where objectives for wildlife under FPPR section 7 exist (CDC iMap BC; January 7, 2021.).</p> <p>There is one species of concern to local residents identified in the area, Western Toad (<i>Anaxys boreas</i>), which is yellow listed and secure in BC<sup>2</sup>.</p>                                                                                                                                                              |                                                                 |

<sup>2</sup> BC Species and Ecosystems Explorer. 2021. <http://a100.gov.bc.ca/pub/eswp/>

## Fuel Management Prescription

|                                                                                                                                                                                                                          |          |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                          |          |    | <p>One known/recent occurrence (approximately 100 juveniles) was identified near treatment area FP2 on September 3, 2019<sup>3</sup>. As a result, no assessments/surveys are required as this species' presence is already confirmed in the general area of all FTUs, and will be managed accordingly. The following management strategies will be utilized for Western toad:</p> <ul style="list-style-type: none"> <li>• No large equipment is proposed for use. Hand crews and/or small equipment only.</li> <li>• All classifiable riparian features have been excluded from the treatment areas or placed into machine free zones where appropriate,</li> <li>• No new roads are proposed for construction</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>OBJECTIVES SET BY GOVERNMENT FOR BIODIVERSITY OBJECTIVES (Landscape Level) - FPPR section 9</b>                                                                                                                       |          |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Does the proposed treatment area include areas to which objectives for landscape level biodiversity under FPPR section 9 apply?                                                                                          | Yes<br>X | No | The FTU overlaps a Natural Disturbance Type 4 area, which are ecosystems with frequent, low intensity, stand maintaining fires. Treatment activities will emulate the stand conditions that would be expected by a natural fire regime in biogeoclimatic sub zone.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>OBJECTIVES SET BY GOVERNMENT FOR BIODIVERSITY OBJECTIVES (Stand Level) - FPPR section 9.1</b>                                                                                                                         |          |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Are considerations for maintaining stand structure (wildlife trees, wildlife tree reserves, etc.), coarse woody debris, and maintaining tree and vegetation species composition incorporated into this prescription?     | Yes<br>X | No | All live Layer 1 conifers and deciduous stems will be retained except for those required to felled for operational or safety purposes. See Stand and Stock Table for details.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RECREATION FEATURES - FRPA section 56 and 149, FPPR section 70</b>                                                                                                                                                    |          |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Does the proposed treatment area contain interpretive sites, recreation trails, recreation sites, recreation facilities that are considered to be of significant recreation value and are designated a resource feature? | Yes<br>X | No | <p>Part of the mainline access roads associated with this project overlap the Face Paska ORV Trails and Lac le Jeune Snowmobile Trails. The LLCFC will obtain a Sections 16 Authorization from the District Recreation Officer prior to commencement of treatment work. The following measures will be used to manage active recreation trails:</p> <ul style="list-style-type: none"> <li>• The treatment contractor must ensure that proper traffic control measures are put in place to control and protect public and worker safety. During active treatment operations, signage shall be posted to warn trail users of the in the area, and these traffic control measures shall be clearly visible to traffic coming from all directions.</li> <li>• All equipment must be in good working condition, and free from invasive species prior to commencement of work.</li> <li>• Minimize upgrades and clearing allowing for safe operations on all permit road sections that overlap designated trails.</li> <li>• Trails must remain in good condition and passable at the end of treatment operations. Any trail surface impacts must be repaired by the contractor and drainage control (water bars) installed if necessary to maintain natural drainage patterns.</li> </ul> |
| <b>VISUAL QUALITY OBJECTIVES - GAR section 7, FRPA sections 180 and 181, FPPR section 9.2</b>                                                                                                                            |          |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

<sup>3</sup> IMAP BC. 2021. Amphibians – Incidental Observations layer.



## Fuel Management Prescription

|                                                                                                                                                                                                           |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Is the proposed treatment within a scenic area?                                                                                                                                                           | Yes<br>x | No      | The proposed treatment units overlap a Partial Retention (PR) VQO polygon. Verified on iMap BC January 7, 2021. Additionally, the VQO for the portion of treatment areas overlapping the LMZ is increased to Retention.<br><br>A Visual Impact Assessment was completed during prescription development and determined the proposed treatments would meet the VQOs.                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ARCHAEOLOGICAL RESOURCES/CULTURAL HERITAGE RESOURCES - FPPR section 10</b>                                                                                                                             |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Are there any known archaeological sites or cultural heritage resources that are important to First Nations within the proposed area?                                                                     | Yes<br>X | No      | The proposed fuel treatment units were referred to all potentially affected First Nations based on the provincial Consultative Area Database (June 5, 2019). A response was received from four First Nations communities. A Preliminary Field Reconnaissance process was completed, which identified areas of archaeological potential within the treatment areas. All necessary amendments were completed to manage for the identified sites, and final prescriptions and maps provided to First Nations for final confirmation.                                                                                                                                                                                                                                           |
| <b>INVASIVE PLANTS - FRPA section 47 and FPPR section 17</b>                                                                                                                                              |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Is the introduction and spread of invasive plants likely as a result of the proposed treatment?                                                                                                           | Yes<br>X | No      | There are known invasive plants in the surrounding area; examples being bull thistle and burdock spp. The following measures will be used to mitigate spread of invasive plants. <ul style="list-style-type: none"> <li>All equipment must be clean/free of invasive plant material before entering the work site,</li> <li>Any areas of disturbed soil should be planted with Common Number 1 Forage Mixture specification within 1 year of completion of treatment activities,</li> <li>Hand/small machine constructed burn piles must be placed at least 5 meters horizontal distance away from the road right of way, and</li> <li>Treatment crews should be knowledgeable in identification of invasive plants and report any discovered during treatments.</li> </ul> |
| <b>NATURAL RANGE BARRIERS - FRPA section 48, FPPR section 18</b>                                                                                                                                          |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Are there natural range barriers within the proposed treatment area that are likely to be removed or rendered ineffective?                                                                                | Yes<br>X | No<br>X | The treatments will not remove any natural range barriers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>LAND USE OBJECTIVES (Higher Level Plans and objectives set by Government under the <i>Land Act</i>)</b>                                                                                                |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Are there land use objectives (higher level plans or objectives under the <i>Land Act</i> ) that apply to the proposed treatment area or a Road Permit necessary to provide access to the treatment area? | Yes<br>X | No      | <b>Lakeshore Management Zone (Kamloops Lakes LRUP):</b> FP1, FP2, FP3, and FP4 overlap with the Lakeshore Management Zones (LMZ) of Face Lake (Class B, Kamloops LRUP) and Paska Lake (Class B, Kamloops LRUP). See the riparian management section above for lakeshore management zone provisions.<br><br>A Visual Impact Assessment was completed and determined the treatments will meet the VQOs.                                                                                                                                                                                                                                                                                                                                                                       |
| Do the proposed activities conflict with land use objectives (higher level plans or objectives under the <i>Land Act</i> )?                                                                               | Yes      | No<br>X | The treatment activities do not conflict with any higher level plan objectives.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>MIGRATORY BIRD CONVENTION ACT</b>                                                                                                                                                                      |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Fuel Management Prescription

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| Are the proposed activities in conflict with regulations set in the <i>Migratory Bird Convention Act</i> ? | Yes<br>X | No | All blocks overlap risk Rank 4 Migratory Bird Nest Habitat polygons. Treatment is to occur outside of May 15 - July 20 to protect the nesting window. |
|------------------------------------------------------------------------------------------------------------|----------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------|

### G. OTHER CONSIDERATIONS AND REQUIREMENTS

#### CONSULTATION – FIRST NATIONS

|                                      |          |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------|----------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First Nations consultation complete? | Yes<br>X | No | The proposed fuel treatment units were referred to all potentially affected First Nations based on the provincial Consultative Area Database (June 5, 2019). A response was received from four First Nations organizations, and field reviews were completed for all FTUs. All required amendments have been completed and feedback incorporated into the final prescription.<br><br>If a previously unidentified site is encountered during operations, work is to stop until measures can be implemented to manage for archaeological/cultural features. |
|--------------------------------------|----------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### GENERAL PUBLIC CONSULTATION

The Face Paska community was notified of the treatment activities beginning with an Open House in August 2019, and various independent communications and meetings with residents during 2020 and 2021. The LLCF hosted a second Open House in March 2021 (virtually), co-presenting with BC Timber Sales about the proposed treatments, which was recorded and posted on the LLCF website. The LLCF will maintain ongoing communications with the Face Paska residents during the course of treatments.

#### EXISTING TENURE HOLDERS (Forest, Range, Guide Outfitters, Trappers)

| Tenure Holder                     | Concerns |         | Measures proposed to address licensee's concerns                                                                                                                                                                                                                                                                                 |
|-----------------------------------|----------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                   | Yes      | No      |                                                                                                                                                                                                                                                                                                                                  |
| Mile High Resort                  | X        |         | Concerns raised with removal of live trees around the community, and proximity of operations to resort. The LLCF is managing the removal of live trees through use of hand crews/small equipment only (i.e. no commercial harvest equipment) and will maintain dialogue with Mile High Resort throughout duration of treatments. |
| Gordon Garthwaite                 | Yes      | No<br>X | N/A                                                                                                                                                                                                                                                                                                                              |
| High Kelly Ranches                | Yes      | No<br>X | N/A                                                                                                                                                                                                                                                                                                                              |
| Indian Gardens Ranch              | Yes      | No<br>X | N/A                                                                                                                                                                                                                                                                                                                              |
| Lower Nicola Indian Band Trapline | Yes      | No<br>X | N/A                                                                                                                                                                                                                                                                                                                              |
| Kamloops Snowmobile Club          | Yes      | No<br>X | N/A                                                                                                                                                                                                                                                                                                                              |
| Thompson Valley ORV Club          | Yes      | No<br>X | N/A                                                                                                                                                                                                                                                                                                                              |
| Logan Lake ATV Club               | Yes      | No<br>X | N/A                                                                                                                                                                                                                                                                                                                              |

#### PRIVATE PROPERTY

|                                                           |          |    |                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------|----------|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Does private property border the proposed treatment area? | Yes<br>X | No | All treatment units are in close proximity to private land. Treatments are designed to significantly reduce wildfire hazard to adjacent residences and improve overall safety. All treatment unit boundaries exclude private land to avoid trespassing. |
|-----------------------------------------------------------|----------|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Fuel Management Prescription

| G. OTHER CONSIDERATIONS AND REQUIREMENTS                                                                                                                     |          |         |                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                              |          |         | The access to FTU FP1 will require use of a private driveway. The LLCF has discussed use of the driveway with the landowner, and will ensure a signed agreement is in prior to commencing treatments.                                                                                                                                                                                       |
| SMOKE MANAGEMENT                                                                                                                                             |          |         |                                                                                                                                                                                                                                                                                                                                                                                             |
| Does a smoke management plan exist for the proposed treatment area?                                                                                          | Yes<br>X | No      | The LLCF has a Smoke Management Plan to guide fuel management projects. This plan will provide guidance for operational crews based on the open burning smoke control regulations within the Environmental Management Act.                                                                                                                                                                  |
| SAFETY                                                                                                                                                       |          |         |                                                                                                                                                                                                                                                                                                                                                                                             |
| Have any specific safety concerns been identified in or adjacent to the proposed treatment area?                                                             | Yes<br>X | No      | Recreation activity within the treatment area during operations poses a safety hazard to the public. Treatment areas will be closed off to public access during work and treatment contractor shall post signs warning of treatment activities at all entry points. The LLCFC will provide advance notification to community members of the location and timelines of treatment operations. |
| UTILITIES                                                                                                                                                    |          |         |                                                                                                                                                                                                                                                                                                                                                                                             |
| Are utilities located in or adjacent to the proposed treatment area? i.e. power lines, gas lines, etc.                                                       | Yes<br>X | No      | FP1 and FP2 are within close proximity to power lines along Paska Lake Rd. Treatment contractors must ensure no trees are felled within 1.5 tree lengths of power lines. LLCF will obtain approval for work along powerlines from BC Hydro.                                                                                                                                                 |
| ACCESS CONTROL                                                                                                                                               |          |         |                                                                                                                                                                                                                                                                                                                                                                                             |
| Are there any foreseen issues with access and access control during and post treatment?                                                                      | Yes      | No<br>X | Any new access points created by treatment or road building will be de-activated post-treatment. All newly constructed roads will be fully rehabilitated.                                                                                                                                                                                                                                   |
| TRAFFIC CONTROL                                                                                                                                              |          |         |                                                                                                                                                                                                                                                                                                                                                                                             |
| Is traffic control required at any point during operations?                                                                                                  | Yes      | No<br>X | No traffic control will be required.                                                                                                                                                                                                                                                                                                                                                        |
| OTHER CONSIDERATIONS                                                                                                                                         |          |         |                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Daily Timing Restriction:</b> As operations are close to residences, no machinery is to be operated from 8 pm-7 am Monday-Saturday, and 8pm-10 am Sunday. |          |         |                                                                                                                                                                                                                                                                                                                                                                                             |

| H. STAND AND STOCK TABLE - Fuel Treatment Unit FP1                                             |                                  |                         |                         |     |       |                                         |     |       |
|------------------------------------------------------------------------------------------------|----------------------------------|-------------------------|-------------------------|-----|-------|-----------------------------------------|-----|-------|
| Species and Diameter Class                                                                     | Average Crown to Base Height (m) | Average Tree Height (m) | STEMS PER HECTARE (SPH) |     |       | VOLUME PER HECTARE (m <sup>3</sup> /ha) |     |       |
|                                                                                                |                                  |                         | Existing                | Cut | Leave | Existing                                | Cut | Leave |
| Layer 1A (> 40.0 cm DBH) - No trees of this size class were recorded by stand inventory plots. |                                  |                         |                         |     |       |                                         |     |       |
| Layer 1B (27.5 cm – 39.9 cm DBH)                                                               |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                                                                     | 28.8                             | 28.8                    | 160                     | 160 | 0     | -                                       | -   | -     |
| Species Sx                                                                                     | 10                               | 28                      | 40                      | 5   | 35    | -                                       | -   | -     |
| Total Live (Healthy)                                                                           | 10                               | 28                      | 40                      | 5   | 35    | -                                       | -   | -     |
| Total Live (Suppressed)                                                                        | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                                                                     | 28.8                             | 28.8                    | 160                     | 160 | 0     | -                                       | -   | -     |
| Total All Species                                                                              | 19.4                             | 28.4                    | 200                     | 165 | 35    | -                                       | -   | -     |
| Total Conifers                                                                                 | 19.4                             | 28.4                    | 200                     | 165 | 35    | -                                       | -   | -     |

## Fuel Management Prescription

| H. STAND AND STOCK TABLE - Fuel Treatment Unit FP1 |                                  |                         |                         |     |       |                                         |     |       |
|----------------------------------------------------|----------------------------------|-------------------------|-------------------------|-----|-------|-----------------------------------------|-----|-------|
| Species and Diameter Class                         | Average Crown to Base Height (m) | Average Tree Height (m) | STEMS PER HECTARE (SPH) |     |       | VOLUME PER HECTARE (m <sup>3</sup> /ha) |     |       |
|                                                    |                                  |                         | Existing                | Cut | Leave | Existing                                | Cut | Leave |
| <b>Layer 1C (22.5 cm - 27.4 cm DBH)</b>            |                                  |                         |                         |     |       |                                         |     |       |
| Species PI                                         | 15                               | 22                      | 40                      | 5   | 35    | -                                       | -   | -     |
| Species Sx                                         | 7                                | 27                      | 80                      | 10  | 70    | -                                       | -   | -     |
| Total Live (Healthy)                               | 11                               | 24.5                    | 120                     | 15  | 105   | -                                       | -   | -     |
| Total Live (Suppressed)                            | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total All Species                                  | 11                               | 24.5                    | 120                     | 15  | 105   | -                                       | -   | -     |
| Total Conifers                                     | 11                               | 24.5                    | 120                     | 15  | 105   | -                                       | -   | -     |
| <b>Layer 1D (17.5 cm DBH - 22.4 cm DBH)</b>        |                                  |                         |                         |     |       |                                         |     |       |
| Species PI                                         | 23                               | 23                      | 120                     | 120 | 0     | -                                       | -   | -     |
| Species Sx                                         | 6                                | 22                      | 40                      | 5   | 35    | -                                       | -   | -     |
| Total Live (Healthy)                               | 6                                | 22                      | 40                      | 5   | 35    | -                                       | -   | -     |
| Total Live (Suppressed)                            | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                         | 23                               | 23                      | 120                     | 120 | 0     | -                                       | -   | -     |
| Total All Species                                  | 14.5                             | 22.5                    | 160                     | 125 | 35    | -                                       | -   | -     |
| Total Conifers                                     | 11                               | 24.5                    | 160                     | 125 | 35    | -                                       | -   | -     |
| <b>Layer 1E (12.5 cm - 17.4 cm DBH)</b>            |                                  |                         |                         |     |       |                                         |     |       |
| Species PI                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Species Sx                                         | 8                                | 18.5                    | 80                      | 10  | 70    | -                                       | -   | -     |
| Total Live (Healthy)                               | 8                                | 18.5                    | 80                      | 10  | 70    | -                                       | -   | -     |
| Total Live (Suppressed)                            | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total All Species                                  | 8                                | 18.5                    | 80                      | 10  | 70    | -                                       | -   | -     |
| Total Conifers                                     | 8                                | 18.5                    | 80                      | 10  | 70    | -                                       | -   | -     |
| <b>Total Layer 1 (≥ 12.5 cm DBH)</b>               |                                  |                         |                         |     |       |                                         |     |       |
| Total Layer - All Species                          | 13.2                             | 23.5                    | 560                     | 315 | 245   | -                                       | -   | -     |
| Total Layer - Conifers Only                        | 12.3                             | 24                      | 560                     | 315 | 245   | -                                       | -   | -     |
| <b>Layer 2 (7.5 cm - 12.4 cm DBH)</b>              |                                  |                         |                         |     |       |                                         |     |       |
| Species PI                                         | 16                               | 16                      | 120                     | 120 | 0     | -                                       | -   | -     |
| Species Sx                                         | 2.8                              | 11                      | 160                     | 40  | 120   | -                                       | -   | -     |
| Total Live (Healthy)                               | 2.8                              | 11                      | 160                     | 40  | 120   | -                                       | -   | -     |
| Total Live (Suppressed)                            | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                         | 16                               | 16                      | 120                     | 120 | 0     | -                                       | -   | -     |
| Total All Species                                  | 9.4                              | 13.5                    | 280                     | 160 | 120   | -                                       | -   | -     |
| Total Conifers                                     | 9.4                              | 13.5                    | 280                     | 160 | 120   | -                                       | -   | -     |
| <b>Layer 3 (&lt; 7.5cm DBH, ≥ 1.3 m tall)</b>      |                                  |                         |                         |     |       |                                         |     |       |

## Fuel Management Prescription

| H. STAND AND STOCK TABLE - Fuel Treatment Unit FP1 |                                  |                         |                         |     |       |                                         |     |       |
|----------------------------------------------------|----------------------------------|-------------------------|-------------------------|-----|-------|-----------------------------------------|-----|-------|
| Species and Diameter Class                         | Average Crown to Base Height (m) | Average Tree Height (m) | STEMS PER HECTARE (SPH) |     |       | VOLUME PER HECTARE (m <sup>3</sup> /ha) |     |       |
|                                                    |                                  |                         | Existing                | Cut | Leave | Existing                                | Cut | Leave |
| Species Pl                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Species Sx                                         | 1.4                              | 3.9                     | 440                     | 160 | 280   | -                                       | -   | -     |
| Species Bl                                         | 0                                | 2                       | 40                      | 40  | 0     | -                                       | -   | -     |
| Total Live (Healthy)                               | 0.2                              | 3.3                     | 320                     | 40  | 280   | -                                       | -   | -     |
| Total Live (Suppressed)                            | 0                                | 2.5                     | 80                      | 80  | 0     | -                                       | -   | -     |
| Total Dead                                         | 6.8                              | 6.8                     | 80                      | 80  | 0     | -                                       | -   | -     |
| Total All Species                                  | 0.7                              | 2.9                     | 480                     | 200 | 280   | -                                       | -   | -     |
| Total Conifers                                     | 0.7                              | 2.9                     | 480                     | 200 | 280   | -                                       | -   | -     |
| Layer 4 (< 1.3 m tall)                             |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Species Sx                                         | -                                | 1                       | 200                     | 100 | 100   | -                                       | -   | -     |
| Total Live (Healthy)                               | -                                | 1                       | 200                     | 100 | 100   | -                                       | -   | -     |
| Total Live (Suppressed)                            | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total All Species                                  | -                                | 1                       | 200                     | 100 | 100   | -                                       | -   | -     |
| Total Conifers                                     | -                                | 1                       | 200                     | 100 | 100   | -                                       | -   | -     |

## Fuel Management Prescription

| H. STAND AND STOCK TABLE - Fuel Treatment Unit FP2                                             |                                  |                         |                         |     |       |                                         |     |       |
|------------------------------------------------------------------------------------------------|----------------------------------|-------------------------|-------------------------|-----|-------|-----------------------------------------|-----|-------|
| Species and Diameter Class                                                                     | Average Crown to Base Height (m) | Average Tree Height (m) | STEMS PER HECTARE (SPH) |     |       | VOLUME PER HECTARE (m <sup>3</sup> /ha) |     |       |
|                                                                                                |                                  |                         | Existing                | Cut | Leave | Existing                                | Cut | Leave |
| Layer 1A (> 40.0 cm DBH) – No trees of this size class were recorded by stand inventory plots. |                                  |                         |                         |     |       |                                         |     |       |
| Layer 1B (27.5 cm – 39.9 cm DBH)                                                               |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                                                                     | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Species Sx                                                                                     | 18.5                             | 25                      | 133                     | 70  | 63    | -                                       | -   | -     |
| Species Bl                                                                                     | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Live (Healthy)                                                                           | 12                               | 25                      | 66                      | 3   | 63    | -                                       | -   | -     |
| Total Live (Suppressed)                                                                        | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                                                                     | 25                               | 25                      | 67                      | 67  | 0     | -                                       | -   | -     |
| Total All Species                                                                              | 18.5                             | 25                      | 133                     | 70  | 63    | -                                       | -   | -     |
| Total Conifers                                                                                 | 18.5                             | 25                      | 133                     | 70  | 63    | -                                       | -   | -     |
| Layer 1C (22.5 cm - 27.4 cm DBH)                                                               |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                                                                     | 25                               | 25                      | 167                     | 167 | 0     | -                                       | -   | -     |
| Species Sx                                                                                     | 10.4                             | 23.4                    | 133                     | 7   | 126   | -                                       | -   | -     |
| Species Bl                                                                                     | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Species At                                                                                     | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Live (Healthy)                                                                           | 10.4                             | 23.4                    | 133                     | 7   | 126   | -                                       | -   | -     |
| Total Live (Suppressed)                                                                        | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                                                                     | 25                               | 25                      | 167                     | 167 | 0     | -                                       | -   | -     |
| Total All Species                                                                              | 17.7                             | 24.2                    | 300                     | 174 | 126   | -                                       | -   | -     |
| Total Conifers                                                                                 | 17.7                             | 24.2                    | 300                     | 174 | 126   | -                                       | -   | -     |
| Layer 1D (17.5 cm DBH - 22.4 cm DBH)                                                           |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                                                                     | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Species Sx                                                                                     | 5                                | 21                      | 200                     | 10  | 190   | -                                       | -   | -     |
| Species Bl                                                                                     | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Species At                                                                                     | 5                                | 5                       | 67                      | 3   | 64    | -                                       | -   | -     |
| Total Live (Healthy)                                                                           | 5                                | 21                      | 267                     | 13  | 254   | -                                       | -   | -     |
| Total Live (Suppressed)                                                                        | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                                                                     | 5                                | 5                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total All Species                                                                              | 5                                | 13                      | 267                     | 13  | 254   | -                                       | -   | -     |
| Total Conifers                                                                                 | 17.7                             | 24.2                    | 200                     | 10  | 190   | -                                       | -   | -     |
| Layer 1E (12.5 cm - 17.4 cm DBH)                                                               |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                                                                     | 21.4                             | 21.4                    | 333                     | 333 | 0     | -                                       | -   | -     |
| Species Sx                                                                                     | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Species Bl                                                                                     | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Live (Healthy)                                                                           | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Live (Suppressed)                                                                        | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |

## Fuel Management Prescription

| H. STAND AND STOCK TABLE - Fuel Treatment Unit FP2                                     |                                  |                         |                         |     |       |                                         |     |       |
|----------------------------------------------------------------------------------------|----------------------------------|-------------------------|-------------------------|-----|-------|-----------------------------------------|-----|-------|
| Species and Diameter Class                                                             | Average Crown to Base Height (m) | Average Tree Height (m) | STEMS PER HECTARE (SPH) |     |       | VOLUME PER HECTARE (m <sup>3</sup> /ha) |     |       |
|                                                                                        |                                  |                         | Existing                | Cut | Leave | Existing                                | Cut | Leave |
| Total Dead                                                                             | 21.4                             | 21.4                    | 333                     | 333 | 0     | -                                       | -   | -     |
| Total All Species                                                                      | 21.4                             | 21.4                    | 333                     | 333 | 0     | -                                       | -   | -     |
| Total Conifers                                                                         | 21.4                             | 21.4                    | 333                     | 333 | 0     | -                                       | -   | -     |
| <b>Total Layer 1 (≥ 12.5 cm DBH)</b>                                                   |                                  |                         |                         |     |       |                                         |     |       |
| Total Layer - All Species                                                              | 13.2                             | 23.5                    | 1033                    | 590 | 443   | -                                       | -   | -     |
| Total Layer – Conifers Only                                                            | 12.3                             | 24                      | 966                     | 587 | 379   | -                                       | -   | -     |
| <b>Layer 2 (7.5 cm - 12.4 cm DBH)</b>                                                  |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                                                             | 10                               | 10                      | 67                      | 67  | 0     | -                                       | -   | -     |
| Species Sx                                                                             | 3                                | 12                      | 67                      | 67  | 0     | -                                       | -   | -     |
| Species Bl                                                                             | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Live (Healthy)                                                                   | 3                                | 12                      | 67                      | 67  | 0     | -                                       | -   | -     |
| Total Live (Suppressed)                                                                | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                                                             | 10                               | 10                      | 67                      | 67  | 0     | -                                       | -   | -     |
| Total All Species                                                                      | 6.5                              | 11                      | 133                     | 133 | 0     | -                                       | -   | -     |
| Total Conifers                                                                         | 6.5                              | 11                      | 133                     | 133 | 0     | -                                       | -   | -     |
| <b>Layer 3 (&lt; 7.5cm DBH, ≥ 1.3 m tall)</b>                                          |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                                                             | 4                                | 4                       | 67                      | 67  | 0     | -                                       | -   | -     |
| Species Sx                                                                             | 1.3                              | 3.3                     | 133                     | 67  | 67    | -                                       | -   | -     |
| Species Bl                                                                             | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Live (Healthy)                                                                   | 1.3                              | 3.3                     | 133                     | 67  | 67    | -                                       | -   | -     |
| Total Live (Suppressed)                                                                | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                                                             | 4                                | 4                       | 67                      | 67  | 0     | -                                       | -   | -     |
| Total All Species                                                                      | 2.6                              | 3.6                     | 200                     | 133 | 67    | -                                       | -   | -     |
| Total Conifers                                                                         | 2.6                              | 3.6                     | 200                     | 133 | 67    | -                                       | -   | -     |
| Layer 4 (< 1.3 m tall) – No trees of size classes were noted in stand inventory plots. |                                  |                         |                         |     |       |                                         |     |       |

## Fuel Management Prescription

| H. STAND AND STOCK TABLE - Fuel Treatment Unit FP3 |                                  |                         |                         |     |       |                                         |     |       |
|----------------------------------------------------|----------------------------------|-------------------------|-------------------------|-----|-------|-----------------------------------------|-----|-------|
| Species and Diameter Class                         | Average Crown to Base Height (m) | Average Tree Height (m) | STEMS PER HECTARE (SPH) |     |       | VOLUME PER HECTARE (m <sup>3</sup> /ha) |     |       |
|                                                    |                                  |                         | Existing                | Cut | Leave | Existing                                | Cut | Leave |
| <b>Layer 1A (&gt; 40.0 cm DBH)</b>                 |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                         | 10                               | 30                      | 15                      | 15  | 0     | -                                       | -   | -     |
| Species Sx                                         | 6.1                              | 29.8                    | 62                      | 7   | 55    | -                                       | -   | -     |
| Species Bl                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Species At                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Live (Healthy)                               | 6.1                              | 29.8                    | 62                      | 7   | 55    | -                                       | -   | -     |
| Total Live (Suppressed)                            | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                         | 10                               | 30                      | 15                      | 15  | 0     | -                                       | -   | -     |
| Total All Species                                  | 8.1                              | 29.9                    | 77                      | 22  | 55    | -                                       | -   | -     |
| Total Conifers                                     | 8.1                              | 29.9                    | 77                      | 22  | 55    | -                                       | -   | -     |
| <b>Layer 1B (27.5 cm – 39.9 cm DBH)</b>            |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                         | 7.8                              | 19.5                    | 62                      | 62  | 0     | -                                       | -   | -     |
| Species Sx                                         | 11.3                             | 27                      | 231                     | 37  | 194   | -                                       | -   | -     |
| Species Bl                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Live (Healthy)                               | 10.2                             | 27                      | 215                     | 22  | 194   | -                                       | -   | -     |
| Total Live (Suppressed)                            | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                         | 17.4                             | 23.3                    | 77                      | 77  | 0     | -                                       | -   | -     |
| Total All Species                                  | 9.5                              | 23.3                    | 293                     | 99  | 194   | -                                       | -   | -     |
| Total Conifers                                     | 9.5                              | 23.3                    | 293                     | 99  | 194   | -                                       | -   | -     |
| <b>Layer 1C (22.5 cm - 27.4 cm DBH)</b>            |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                         | 10                               | 20.7                    | 46                      | 46  | 0     | -                                       | -   | -     |
| Species Sx                                         | 9.3                              | 22                      | 31                      | 4   | 27    | -                                       | -   | -     |
| Species Bl                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Species At                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Live (Healthy)                               | 9.3                              | 22                      | 31                      | 4   | 27    | -                                       | -   | -     |
| Total Live (Suppressed)                            | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                         | 10                               | 20.7                    | 46                      | 46  | 0     | -                                       | -   | -     |
| Total All Species                                  | 9.6                              | 21.3                    | 77                      | 50  | 27    | -                                       | -   | -     |
| Total Conifers                                     | 9.6                              | 21.3                    | 77                      | 50  | 27    | -                                       | -   | -     |
| <b>Layer 1D (17.5 cm DBH - 22.4 cm DBH)</b>        |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Species Sx                                         | 6.3                              | 18.1                    | 185                     | 30  | 155   | -                                       | -   | -     |
| Species Bl                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Live (Healthy)                               | 6.8                              | 19.5                    | 170                     | 15  | 155   | -                                       | -   | -     |
| Total Live (Suppressed)                            | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                         | 1                                | 3                       | 15                      | 15  | 0     | -                                       | -   | -     |



## Fuel Management Prescription

| H. STAND AND STOCK TABLE - Fuel Treatment Unit FP3 |                                  |                         |                         |     |       |                                         |     |       |
|----------------------------------------------------|----------------------------------|-------------------------|-------------------------|-----|-------|-----------------------------------------|-----|-------|
| Species and Diameter Class                         | Average Crown to Base Height (m) | Average Tree Height (m) | STEMS PER HECTARE (SPH) |     |       | VOLUME PER HECTARE (m <sup>3</sup> /ha) |     |       |
|                                                    |                                  |                         | Existing                | Cut | Leave | Existing                                | Cut | Leave |
| Total All Species                                  | 6.3                              | 18.1                    | 185                     | 30  | 155   | -                                       | -   | -     |
| Total Conifers                                     | 9.6                              | 21.3                    | 185                     | 30  | 155   | -                                       | -   | -     |
| Layer 1E (12.5 cm - 17.4 cm DBH)                   |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                         | 10                               | 18                      | 46                      | 46  | 0     | -                                       | -   | -     |
| Species Sx                                         | 5.8                              | 16.7                    | 138                     | 57  | 81    | -                                       | -   | -     |
| Species Bl                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Species At                                         | 6.5                              | 8.5                     | 31                      | 4   | 27    |                                         |     |       |
| Total Live (Healthy)                               | 3.7                              | 15.3                    | 108                     | 11  | 97    | -                                       | -   | -     |
| Total Live (Suppressed)                            | 2                                | 10                      | 15                      | 15  | 0     | -                                       | -   | -     |
| Total Dead                                         | 10.7                             | 12.3                    | 92                      | 77  | 15    | -                                       | -   | -     |
| Total All Species                                  | 7.4                              | 14.4                    | 215                     | 107 | 108   | -                                       | -   | -     |
| Total Conifers                                     | 7.9                              | 17.3                    | 184                     | 103 | 81    | -                                       | -   | -     |
| <b>Total Layer 1 (≥ 12.5 cm DBH)</b>               |                                  |                         |                         |     |       |                                         |     |       |
| Total Layer - All Species                          | 8.2                              | 21.4                    | 847                     | 308 | 539   | -                                       | -   | -     |
| Total Layer - Conifers Only                        | 8.9                              | 22.6                    | 816                     | 304 | 512   | -                                       | -   | -     |
| Layer 2 (7.5 cm - 12.4 cm DBH)                     |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Species Sx                                         | 5.3                              | 11.7                    | 169                     | 46  | 123   | -                                       | -   | -     |
| Species Bl                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Live (Healthy)                               | 5.5                              | 13.3                    | 138                     | 15  | 123   | -                                       | -   | -     |
| Total Live (Suppressed)                            | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                         | 4.5                              | 4.5                     | 31                      | 31  | 0     | -                                       | -   | -     |
| Total All Species                                  | 5.3                              | 11.7                    | 169                     | 46  | 123   | -                                       | -   | -     |
| Total Conifers                                     | 5.3                              | 11.7                    | 169                     | 46  | 123   | -                                       | -   | -     |
| Layer 3 (< 7.5cm DBH, ≥ 1.3 m tall)                |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Species Sx                                         | 1.3                              | 3.9                     | 446                     | 277 | 169   | -                                       | -   | -     |
| Species Bl                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Live (Healthy)                               | 0.7                              | 4.7                     | 262                     | 92  | 169   | -                                       | -   | -     |
| Total Live (Suppressed)                            | 1.4                              | 2.5                     | 123                     | 123 | 0     | -                                       | -   | -     |
| Total Dead                                         | 3.5                              | 3.5                     | 62                      | 62  | 0     | -                                       | -   | -     |
| Total All Species                                  | 1.3                              | 3.9                     | 446                     | 277 | 169   | -                                       | -   | -     |
| Total Conifers                                     | 1.3                              | 3.9                     | 446                     | 277 | 169   | -                                       | -   | -     |
| Layer 4 (< 1.3 m tall)                             |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |



## Fuel Management Prescription

| H. STAND AND STOCK TABLE - Fuel Treatment Unit FP3 |                                  |                         |                         |     |       |                                         |     |       |
|----------------------------------------------------|----------------------------------|-------------------------|-------------------------|-----|-------|-----------------------------------------|-----|-------|
| Species and Diameter Class                         | Average Crown to Base Height (m) | Average Tree Height (m) | STEMS PER HECTARE (SPH) |     |       | VOLUME PER HECTARE (m <sup>3</sup> /ha) |     |       |
|                                                    |                                  |                         | Existing                | Cut | Leave | Existing                                | Cut | Leave |
| Species Sx                                         | 0.1                              | 1                       | 400                     | 200 | 200   | -                                       | -   | -     |
| Species Bl                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Live (Healthy)                               | 0.1                              | 1                       | 400                     | 200 | 200   | -                                       | -   | -     |
| Total Live (Suppressed)                            | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total All Species                                  | 0.1                              | 1                       | 400                     | 200 | 200   | -                                       | -   | -     |
| Total Conifers                                     | 0.1                              | 1                       | 400                     | 200 | 200   | -                                       | -   | -     |

## Fuel Management Prescription

| H. STAND AND STOCK TABLE - Fuel Treatment Unit FP4 |                                  |                         |                         |     |       |                                         |     |       |
|----------------------------------------------------|----------------------------------|-------------------------|-------------------------|-----|-------|-----------------------------------------|-----|-------|
| Species and Diameter Class                         | Average Crown to Base Height (m) | Average Tree Height (m) | STEMS PER HECTARE (SPH) |     |       | VOLUME PER HECTARE (m <sup>3</sup> /ha) |     |       |
|                                                    |                                  |                         | Existing                | Cut | Leave | Existing                                | Cut | Leave |
| <b>Layer 1A (&gt; 40.0 cm DBH)</b>                 |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Species Sx                                         | 23.3                             | 30                      | 33                      | 13  | 20    | -                                       | -   | -     |
| Species Bl                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Species At                                         | 15                               | 25                      | 11                      | 1   | 10    | -                                       | -   | -     |
| Total Live (Healthy)                               | 12.5                             | 27.5                    | 22                      | 2   | 20    | -                                       | -   | -     |
| Total Live (Suppressed)                            | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                         | 30                               | 30                      | 11                      | 11  | 0     | -                                       | -   | -     |
| Total All Species                                  | 19.2                             | 27.5                    | 44                      | 14  | 30    | -                                       | -   | -     |
| Total Conifers                                     | 23.3                             | 30                      | 33                      | 13  | 20    | -                                       | -   | -     |
| <b>Layer 1B (27.5 cm – 39.9 cm DBH)</b>            |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Species Sx                                         | 13.3                             | 28.3                    | 33                      | 23  | 10    | -                                       | -   | -     |
| Species Bl                                         |                                  |                         | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Live (Healthy)                               | 3                                | 28                      | 11                      | 1   | 10    | -                                       | -   | -     |
| Total Live (Suppressed)                            | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                         | 18.5                             | 28.5                    | 22                      | 22  | 0     | -                                       | -   | -     |
| Total All Species                                  | 13.3                             | 28.3                    | 33                      | 23  | 10    | -                                       | -   | -     |
| Total Conifers                                     | 13.3                             | 28.3                    | 33                      | 23  | 10    | -                                       | -   | -     |
| <b>Layer 1C (22.5 cm - 27.4 cm DBH)</b>            |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                         | 12                               | 19                      | 22                      | 0   | 22    | -                                       | -   | -     |
| Species Sx                                         | 7.1                              | 23.7                    | 111                     | 22  | 89    | -                                       | -   | -     |
| Species Bl                                         | 2.5                              | 23                      | 22                      | 0   | 22    | -                                       | -   | -     |
| Species At                                         | 15                               | 22                      | 33                      | 3   | 30    | -                                       | -   | -     |
| Total Live (Healthy)                               | 8.7                              | 21.9                    | 178                     | 11  | 167   | -                                       | -   | -     |
| Total Live (Suppressed)                            | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                         | 23                               | 23                      | 11                      | 11  | 0     | -                                       | -   | -     |
| Total All Species                                  | 9.2                              | 21.9                    | 188                     | 25  | 163   | -                                       | -   | -     |
| Total Conifers                                     | 7.2                              | 21.9                    | 155                     | 22  | 133   | -                                       | -   | -     |
| <b>Layer 1D (17.5 cm DBH - 22.4 cm DBH)</b>        |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                         | 16.5                             | 20.5                    | 144                     | 111 | 33    | -                                       | -   | -     |
| Species Sx                                         | 7.3                              | 19.6                    | 256                     | 44  | 212   | -                                       | -   | -     |
| Species Bl                                         | 1.5                              | 21                      | 22                      | 0   | 22    | -                                       | -   | -     |
| Total Live (Healthy)                               | 7.3                              | 20.2                    | 300                     | 33  | 267   | -                                       | -   | -     |
| Total Live (Suppressed)                            | 3                                | 21                      | 11                      | 11  | 0     | -                                       | -   | -     |
| Total Dead                                         | 17.5                             | 20.6                    | 111                     | 111 | 0     | -                                       | -   | -     |

## Fuel Management Prescription

| H. STAND AND STOCK TABLE - Fuel Treatment Unit FP4 |                                  |                         |                         |     |       |                                         |     |       |
|----------------------------------------------------|----------------------------------|-------------------------|-------------------------|-----|-------|-----------------------------------------|-----|-------|
| Species and Diameter Class                         | Average Crown to Base Height (m) | Average Tree Height (m) | STEMS PER HECTARE (SPH) |     |       | VOLUME PER HECTARE (m <sup>3</sup> /ha) |     |       |
|                                                    |                                  |                         | Existing                | Cut | Leave | Existing                                | Cut | Leave |
| Total All Species                                  | 8.4                              | 20.4                    | 422                     | 156 | 266   | -                                       | -   | -     |
| Total Conifers                                     | 7.2                              | 21.9                    | 422                     | 156 | 266   | -                                       | -   | -     |
| <b>Layer 1E (12.5 cm - 17.4 cm DBH)</b>            |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                         | 15.2                             | 18.4                    | 144                     | 100 | 44    | -                                       | -   | -     |
| Species Sx                                         | 5.9                              | 16.5                    | 222                     | 22  | 200   | -                                       | -   | -     |
| Species Bl                                         | 2.3                              | 13                      | 22                      | 0   | 22    | -                                       | -   | -     |
| Total Live (Healthy)                               | 7.4                              | 15.7                    | 278                     | 11  | 267   | -                                       | -   | -     |
| Total Live (Suppressed)                            | 10.5                             | 18                      | 22                      | 22  | 0     | -                                       | -   | -     |
| Total Dead                                         | 15.9                             | 18.6                    | 89                      | 89  | 0     | -                                       | -   | -     |
| Total All Species                                  | 7.8                              | 15.9                    | 389                     | 122 | 267   | -                                       | -   | -     |
| Total Conifers                                     | 7.8                              | 15.9                    | 389                     | 122 | 267   | -                                       | -   | -     |
| <b>Total Layer 1 (≥ 12.5 cm DBH)</b>               |                                  |                         |                         |     |       |                                         |     |       |
| Total Layer - All Species                          | 11.6                             | 22.8                    | 1076                    | 340 | 736   | -                                       | -   | -     |
| Total Layer - Conifers Only                        | 11.8                             | 23.6                    | 1032                    | 336 | 696   | -                                       | -   | -     |
| <b>Layer 2 (7.5 cm - 12.4 cm DBH)</b>              |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                         | 12                               | 12                      | 89                      | 89  | 0     | -                                       | -   | -     |
| Species Sx                                         | 4.9                              | 12.6                    | 600                     | 211 | 389   | -                                       | -   | -     |
| Species Bl                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Live (Healthy)                               | 4                                | 12.5                    | 533                     | 144 | 389   | -                                       | -   | -     |
| Total Live (Suppressed)                            | 2.5                              | 8                       | 11                      | 11  | 0     | -                                       | -   | -     |
| Total Dead                                         | 13                               | 13                      | 144                     | 144 | 0     | -                                       | -   | -     |
| Total All Species                                  | 8.5                              | 12.3                    | 689                     | 300 | 389   | -                                       | -   | -     |
| Total Conifers                                     | 8.5                              | 12.3                    | 689                     | 300 | 389   | -                                       | -   | -     |
| <b>Layer 3 (&lt; 7.5cm DBH, ≥ 1.3 m tall)</b>      |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                         | 10                               | 10                      | 11                      | 11  | 0     | -                                       | -   | -     |
| Species Sx                                         | 2.6                              | 5                       | 589                     | 356 | 233   | -                                       | -   | -     |
| Species Bl                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Live (Healthy)                               | 1.4                              | 3.5                     | 411                     | 156 | 256   | -                                       | -   | -     |
| Total Live (Suppressed)                            | 2                                | 5.4                     | 78                      | 78  | 0     | -                                       | -   | -     |
| Total Dead                                         | 7.2                              | 7.2                     | 133                     | 133 | 0     | -                                       | -   | -     |
| Total All Species                                  | 4.4                              | 5.7                     | 622                     | 367 | 256   | -                                       | -   | -     |
| Total Conifers                                     | 4.4                              | 5.7                     | 622                     | 367 | 256   | -                                       | -   | -     |
| <b>Layer 4 (&lt; 1.3 m tall)</b>                   |                                  |                         |                         |     |       |                                         |     |       |
| Species Pl                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Species Sx                                         | 0.0                              | 1.0                     | 44                      | 11  | 33    | -                                       | -   | -     |



## Fuel Management Prescription

| H. STAND AND STOCK TABLE - Fuel Treatment Unit FP4 |                                  |                         |                         |     |       |                                         |     |       |
|----------------------------------------------------|----------------------------------|-------------------------|-------------------------|-----|-------|-----------------------------------------|-----|-------|
| Species and Diameter Class                         | Average Crown to Base Height (m) | Average Tree Height (m) | STEMS PER HECTARE (SPH) |     |       | VOLUME PER HECTARE (m <sup>3</sup> /ha) |     |       |
|                                                    |                                  |                         | Existing                | Cut | Leave | Existing                                | Cut | Leave |
| Species Bl                                         | 0.0                              | 1.0                     | 189                     | 78  | 111   | -                                       | -   | -     |
| Total Live (Healthy)                               | 0.0                              | 1.0                     | 233                     | 89  | 144   | -                                       | -   | -     |
| Total Live (Suppressed)                            | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total Dead                                         | -                                | -                       | 0                       | 0   | 0     | -                                       | -   | -     |
| Total All Species                                  | 0.0                              | 1.0                     | 233                     | 89  | 144   | -                                       | -   | -     |
| Total Conifers                                     | 0.0                              | 1.0                     | 233                     | 89  | 144   | -                                       | -   | -     |

# Fuel Management Prescription

| I. TREATMENT DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SURFACE FUEL LOADING (tonnes/ha)                                                                                                                                                                                                                                                                                                                                                                                          | <b>Existing:</b><br>Fine Fuels ( $\leq 7$ cm): 5-25 t/ha<br>Coarse Fuels ( $> 7$ cm): 25-50 t/ha                                                                                                                                                                                                                                                                         | <b>Target:</b><br>Fine Fuels ( $\leq 7$ cm): $\leq 8$ t/ha<br>Coarse Fuels ( $> 7$ cm): $\leq 10$ -30 t/ha primarily in logs greater than 20 cm diameter.                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Distribution:</b><br>Existing surface fuel loading is variable throughout, with concentrations of dead and downed logs mixed with twigs, branches, and tops.                                                                                                                                                                                                          | <b>Distribution:</b><br>Fine fuel cleanup will involve targeting all debris from spacing, at least 90% of pruned branches, and previously down debris limited to elevated stems, tops and limbs from 1 cm - 20 cm in diameter. Coarse fuel cleanup should focus on removal of all dry/elevated logs, excluding designated CWD. Barkless debris more than 25% buried in the organic litter layer can be retained regardless of size to prevent site disturbance. |
|                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Method used to measure:</b>                                                                                                                                                                                                                                                                                                                                           | Visual estimation and Photo Guide For Quantifying Forest Stands in British Columbia Guides 501 and 502                                                                                                                                                                                                                                                                                                                                                          |
| Crown Closure (%)                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Existing:</b> 70-80%                                                                                                                                                                                                                                                                                                                                                  | <b>Target:</b> 50-60%                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BIODIVERSITY AND FOREST HEALTH CONSIDERATIONS AND TARGETS                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| COARSE WOODY DEBRIS (CWD) RETENTION TARGET - SPH and Distribution                                                                                                                                                                                                                                                                                                                                                         | The Coarse Woody Debris (CWD) target for the treatment area is a minimum of 4 logs/ha (minimum 3 m long x 20 cm diameter) distributed uniformly. Preference is to retain logs with signs of advanced decay, bark off, and those buried partly in the organic soil layer.                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| WILDLIFE TREE RETENTION TARGET                                                                                                                                                                                                                                                                                                                                                                                            | All live/healthy Layer 1 trees, and dead standing trees of high wildlife value will be retained except for those that must be felled for safety or operational considerations.                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| FOREST HEALTH                                                                                                                                                                                                                                                                                                                                                                                                             | The majority of Lodgepole pine in the treatment areas are dead standing/downed due to past mountain pine beetle infestation. Treatment activities are primarily targeted towards removal of dead PI and retention of live/healthy Sx.                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| TREATMENT SPECIFICATIONS SUMMARY                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| TU                                                                                                                                                                                                                                                                                                                                                                                                                        | TREE REMOVAL/RETENTION STRATEGY BY SIZE/SPECIES<br>(Summarize specifications identified in table above)                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| FP1                                                                                                                                                                                                                                                                                                                                                                                                                       | Tree removal will target dead standing trees and blowdown. All live Layer 1 trees will be retained except for those required to be felled based on operational/safety considerations. Understory removal of Layer 2, 3 and 4 ( $> 12.5$ cm DBH) will be targeted towards those within 1 m of the dripline of Layer 1 leave trees. See treatment description for details. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| FP2                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| FP3                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| FP4                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| TREATMENT SPECIFICATION RATIONALE (See notes to assist)                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b><u>HAND AND/OR SMALL MACHINE TREATMENT (FP1, FP2, FP3, and FP4)</u></b>                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <p>The fuel treatments around the Face Paska community will be limited to hand crews and small equipment. The target of the treatments are the dead standing and blowdown fuels on site. This approach is expected to cause minimal impact to live trees on site. A small allowance (5%) of live tree removal will be required to facilitate small equipment, danger tree removal, and creating space for burn piles.</p> |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ACCESS</b>                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## I. TREATMENT DESCRIPTION

The only new access structures proposed are small equipment trails (i.e. for a mini-excavator) which will cause minimal disturbance. As there is no commercial harvesting occurring, no new road construction or upgrade, and no hauling of timber. Access will occur as follows (see map for details):

- FP1 will be accessed through an existing trail on private property to the north (LLCF will get a signed agreement with private land holder).
- FP2 will be accessed via two small equipment trails coming off of existing public roads
- FP3 will be accessed through an existing tenured road (R9054.01). This road is managed by the MFLNRORD – Thompson Rivers District.
- FP4 will be accessed through a small equipment access trail coming off of the Haybrook FSR (R8446.01).

### TREE FALLING (>12.5 CM DBH)

All live Layer 1 trees (>12.5 cm DBH), and dead trees (>40 cm DBH), are to be retained as wildlife trees except for those specifically designated as danger trees by a WorkSafe BC certified Danger Tree Assessor, or where required for operations. The remainder of the dead standing trees will be targeted for hand falling. Falling work of trees in excess of 15 cm DBH must be completed by a Worksafe BC certified Faller.

#### **Tree Falling Measureable Standard**

- All live trees >12.5 cm DBH, and dead trees >40 cm DBH, are to be retained except assessed and marked danger trees or trees that must be felled for operational considerations.

### UNDERSTORY SPACING (<12.5 CM DBH)

. Layer 2-4 spacing will be completed as follows:

- Remove all stems from within 1 m of the dripline of Layer 1 leave trees
- Remove all dead/suppressed stems
- Any live stems not within 1 m of the dripline of Layer 1 leave trees should be retained, and
- Retain all deciduous, live or dead.

#### **Spacing Measureable Standard**

- A minimum of 95% of the target trees are to be removed.

### PRUNING

Pruning will be conducted on all live and dead conifer stems over 5 m in height. Trees will be pruned to a maximum of 50% of tree height (i.e. 50% live crown retained), or 3 m from the ground to the lowest branch tip, whichever is less. Pruning will include both dead and live branches with branch stubs not to exceed 1 cm in length. This is designed to create significant separation between surface and crown fuels reducing the crown fire, candling and spotting potential. If using a machine, pruning debris must be amalgamated by pruning crew for machine piling.

Conifers under 5 m tall may be adversely impacted by pruning due to small stem size and thin bark. Where these trees occur within 10 m horizontal distance of the dripline of Layer 1 leave trees (i.e. close enough fire may propagate vertically into the crowns of nearby Layer 1 trees), they should be removed altogether through spacing.

#### **Target Trees**

- All conifer stems over 5 m tall

#### **Pruning Measurable Standard**

## I. TREATMENT DESCRIPTION

- 95% of the target trees to be pruned to the appropriate height, with stubs under 1 cm in length.

### SURFACE FUEL CLEANUP

Surface fuel cleanup will involve targeting all debris from spacing and at least 90% of the pruned branches. Removal of previously down debris will be limited to elevated stems, tops and limbs from 1 cm-20 cm in diameter, excluding designated CWD. Barkless debris more than 25% buried in the organic litter layer can be retained regardless of size to prevent site disturbance. Stumps are to be cut flush to the ground and the butts are to be placed in the burn piles.

#### **Surface Fuel Cleanup Measureable Standard**

- All spacing debris into burn piles
- Over 95% of green branches into burn piles
- Over 90% of all pruning, live and dead, down to 1 cm in diameter into burn piles
- Over 90% of the available previously downed surface fuels between 20 cm and 1 cm in diameter, into burn piles
- Fine Fuels ( $\leq 7$  cm) must be  **$\leq 8$  t/ha on average** post-treatment
- Coarse Fuels ( $> 7$  cm) must be **10-30t/ha on average** post-treatment

### SNOW CONDITIONS/TIMING OF OPERATIONS.

Surface fuel removal should be conducted with snow free conditions, or minimal snow coverage to ensure surface fuel targets set in this prescription are met. Phase 2 treatment work involving danger tree falling and small equipment is restricted during the migratory bird nesting window of May 15 - July 20. As operations are close to residences, no machinery is to be operated from 8 pm-7 am Monday-Saturday, and 8pm-10 am Sunday.

### FIREWOOD

Debris created by treatments activities will be considered for donations as firewood to local residents. Donations will be assessed during treatment implementation and communicated to residents.

Residents are responsible for obtaining a firewood permit and all costs and work required to access debris piles to collect firewood. Residents must obtain permission from the LLCF before collecting firewood, and only collect wood from piles designated for donations. Piles must be left in a state conducive to burning (i.e. not scattering of material/mess created). Residents assume all risk and responsibility for any injury or loss arising out of firewood collection, and the LLCF is in no way liable.

### OPEN BURNING

All slash piles will be randomly distributed throughout the area and will be burned progressively with treatments within the FTU boundary. Burn piles should be at least five meters, horizontal distance, from the coarse woody debris, recreation trails, and fence lines. Piles must be located to prevent scorch, root damage and stress to the leave trees. Machine piles are not to be more than 5 m x 5 m and piles to be at least as tall as wide before ignition can occur. Understory trees with excessively singed needles caused by burning of piles must be felled and burned along with the piles. Burning of piles should be left to the late Fall, Winter or early Spring, and conducted under conditions that will minimize spread.

All burning must be complete within 18 months of piling. All open burning must be in compliance with the BC Wildfire Act, Wildfire Regulation Hazard Abatement Requirements, and Open Burning Smoke Control Regulations.

#### **Open Burning Measurable Standard**

- All burn piles pushed in and over 95% of debris consumed
- All piles are fully extinguished

### MERCHANTABLE TIMBER HARVEST

ROADS, LANDINGS AND TRAILS: N/A

FELLING: N/A



# Fuel Management Prescription

| I. TREATMENT DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| YARDING/SKIDDING: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| LOADING AND HAULING: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| SLASH DISPOSAL: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| SITE DISTURBANCE: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SPECIAL MEASURES: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| STAND MODIFICATION TREATMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MERCHANTABLE TIMBER UTILIZATION: Was commercial timber harvest considered? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If commercial timber harvest is not prescribed, explain:<br>Although originally considered, the harvesting was removed from consideration for this project. Due to the watershed health concerns in the area, and possibility of excessive removal of live/healthy stems by larger harvesting equipment, it was determined harvesting would not meet the stewardship objectives of this project. Fuel management objectives can be achieved with hand crews/small equipment only. |
| BRUSHING: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PRUNING: See treatment description above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| THINNING: See treatment description above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DEBRIS PILING: See treatment description above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| PILE BURNING: See treatment description above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MULCHING: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MASTICATION: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| GRINDING: See treatment description above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| PRESCRIBED FIRE: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PLANTING: An exemption request from silviculture obligations will be submitted to MFLNRORD – Thompson Rivers District. The LLCF will assess and plant any openings post-treatment with species appropriate for fire management, such as deciduous.                                                                                                                                                                                                                                                                                                                                                                               |
| OTHER:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| AUTHORIZATION AND TIMBER TENURE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Cutting Permit (CP): FP2 and FP3 will be treated under a LLCF CP. No merchantable harvest involved.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Forestry Licence to Cut (FLTC): FP1 and FP4 will be treated under a FLTC (outside of LLCF tenure). No merchantable harvest involved.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Park Use Permit: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Road Permit or Road Use Permit: Road Permit required for access trails into FP2 and FP4. LLCF will apply for RPs prior to commencing treatments.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Other (i.e. local government, utilities, etc.): BC Hydro utility application, Section 16 authorization from Rec Officer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

| J. POST TREATMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EXPECTED VEGETATION RESPONSE: Some natural regeneration of Sx and deciduous brush is expected to increase in openings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ADDITIONAL TREATMENTS OR MAINTENANCE: This prescription is designed to create a reasonably stable forest stand that should not require any fuel management maintenance activities for at least ten years. Further forest pest mortality, windthrow, snow press or wildfires in the area could cause a re-assessment of the stand condition and may trigger further fuel management hazard reduction efforts sooner than 10 years. The amount of coniferous regeneration in the stand should be monitored annually to determine a further spacing and pruning treatment. Prescribed fire is not a recommended maintenance option. |
| SILVICULTURE OBLIGATIONS: Do silviculture obligations apply to the treatment area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Fuel Management Prescription

### J. POST TREATMENT

The LLCF will submit a request to the MFLNRORD – Thompson Rivers District for an exemption from silviculture obligations for these treatment areas in order to be able to achieve fuel management objectives,

PLANTING: Is planting a treatment identified in this prescription or required as a legislative obligation? Yes  No   
Some fill planting along rehabilitated roads/trails and openings greater than 0.5 ha created by treatments may be considered upon completion of treatments. Deciduous species are highly fire resistant and may be considered for planting in certain areas.

#### STOCKING STANDARDS

| TU  | Stocking Standard ID | Pref. Spp. | Acc. Spp. | Well Spaced Stem/ha |              |       |      | Minimum Height (m) |        |         | Regen Delay | Free Growing (years) |
|-----|----------------------|------------|-----------|---------------------|--------------|-------|------|--------------------|--------|---------|-------------|----------------------|
|     |                      |            |           | TSS                 | MSS          |       | MITD | Pl                 | Others | RTH (%) |             |                      |
|     |                      |            |           |                     | Pref. & Acc. | Pref. |      |                    |        |         |             |                      |
| FP1 | -                    | -          | -         | -                   | -            | -     | -    | -                  | -      | -       | -           | -                    |
| FP2 | -                    | -          | -         | -                   | -            | -     | -    | -                  | -      | -       | -           | -                    |
| FP3 | -                    | -          | -         | -                   | -            | -     | -    | -                  | -      | -       | -           | -                    |
| FP4 | -                    | -          | -         | -                   | -            | -     | -    | -                  | -      | -       | -           | -                    |

### K. Outstanding Works

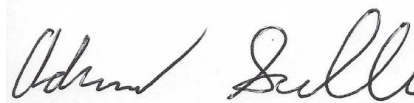
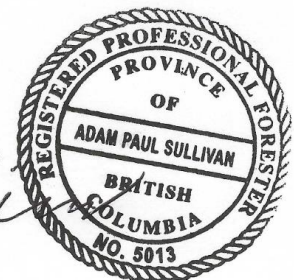
1. Authorizations including; FLTC (FP1 and FP4), Cutting Permit (FP2 and FP3), Road Permits (FP2 and FP4) Section 16 Authorization for use of recreation trails, and BC Hydro approval for falling next to powerlines prior to commencing treatments (FP1 and FP2).

### L. ADMINISTRATION

#### PREPARATION

Adam Sullivan, RPF

*I certify that the work described herein fulfills the standards expected of a registrant of the Association of British Columbia Forest Professionals and that I did personally supervise the work.*

FOREST PROFESSIONAL NAME (Printed)

FOREST PROFESSIONAL SIGNATURE

ABCFP MEMBERSHIP NUMBER: 5013

DATE: July 9, 2021

### M. ATTACHMENTS

|                              |                                                                     |                                                            |                                                                     |
|------------------------------|---------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------|
| MAPS :                       | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | FIELD DATA CARDS:                                          | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| WUI WTA Plots and Photos:    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | CRUISE DATA:                                               | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| AIR PHOTOS/IMAGERY:          | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | BURN PLAN:                                                 | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| MODELING/DATA ANALYSIS:      | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | OTHER:                                                     | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| TERRAIN STABILITY ASSESSMENT | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | VISUAL IMPACT ASSESSMENT                                   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Completed By: N/A            |                                                                     | Completed By: Garnet Mierau, RPF; Forsite Consultants Ltd. |                                                                     |
| Date: N/A                    |                                                                     | Date: July 8, 2021                                         |                                                                     |



## Fuel Management Prescription

| M. ATTACHMENTS                                                                                    |                                                                                          |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| ARCHAEOLOGY IMPACT ASSESSMENT Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | BIOLOGIST ASSESSMENT Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| Completed By: N/A                                                                                 | Completed By: N/A                                                                        |
| Date: N/A                                                                                         | Date: N/A                                                                                |
| ADDITIONAL COMMENTS:<br>N/A                                                                       |                                                                                          |