

## Merritt TSA Sustainable Forest Management Plan Annual Report

Reporting year: 2006

Licensee: Tolko Industries Ltd. – A18696/A74911

Note: For ease of consolidating reports for the TSA, provide figures as required for all monitoring data

<p>2</p>	<p><b>Monitoring/Reporting:</b> Licensees will report the number of riparian related non-conformances to licensee plans as compared to the number of riparian commitments in licensee plans occurring during the reporting year. Details will be provided for all non-conformances.</p>	<p>51 # of riparian commitments in plans</p> <p>2 # of non-conformances to riparian commitments in plans</p> <p>Provide details regarding non-conformances below:</p> <p>The machine free buffer of an S6 stream on 603-T15 was breached (5m x 60 m) with site preparation equipment. The stream bank integrity was not affected. S6 stream was dry when the buffer was breached. A Process Improvement Form (PIF) was initiated, reviewed, and completed in our EMS system.</p> <p>When marking the machine free zones on 127-6 a non-classifiable drainage was marked in error instead of on the S6 stream adjacent. Harvesting occurred in deep snow and followed the incorrectly marked drainage. Less than 100 m of the S6 stream was disturbed. Debris constrained the channel and diverted natural stream flow. Debris in channel was removed and the natural stream flow was reestablished. An Environmental Incident Report (EIR) was initiated, reviewed, and remedial actions were taken.</p>
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Appendix 2 – SFM Plan Reporting Format

<p><b>3</b></p>	<p><b>Monitoring/Reporting:</b> Licensees will report, for cutblocks greater than 5 hectares, the number of cutblocks harvested with wildlife tree patches within or parented to the cutblock and/or individual trees/stubs within the cutblock as compared to the total number of cutblocks greater than 5 hectares harvested during the reporting year.</p>	<p>64 # of cutblocks &gt;5ha with associated Wildlife Tree retention /</p> <p>65 total # of cutblocks harvested</p> <p>710-1 was logged in conjunction with the coal mine; therefore no tree retention was prescribed.</p>
<p><b>4</b></p>	<p><b>Monitoring/Reporting:</b> Licensees will report the number of First Nation commitments related to the Forest Development Plan (FDP) that were achieved as compared to the total number of First Nations commitments made in the FDP.</p>	<p>115 # of First Nation commitments related to FDP achieved /</p> <p>115 total # of First Nation commitments made in FDP</p>
<p><b>5</b></p>	<p><b>Monitoring/Reporting:</b> All trees regenerated on harvested areas must comply with stocking standards specified in Licensee plans, except in the case of Small Scale Salvage Program, whereby stocking standards will be specified by the Ministry of Forests and Range. Licensees will report the:</p> <ul style="list-style-type: none"> <li>number of harvested areas which were declared free growing and regenerated in compliance with stocking standards during the reporting period, as compared to the total number of harvested areas declared free growing during the reporting period.</li> </ul>	<p>685.5 # of harvested areas that were declared free growing and regenerated in compliance with the stocking standards 685.5 total # of harvested areas that were declared free growing</p>

Appendix 2 – SFM Plan Reporting Format

<p><b>6</b></p>	<p><b>Monitoring/Reporting:</b> Licensees will report the area harvested where licensee plans contained commitments to protect Identified Wildlife and the area harvested where operations conformed to licensee plans to protect Identified Wildlife. Licensees will provide a list of IWMS species managed.</p>	<p>51.1 # ha harvested where operations conformed to licensee plans to protect Identified Wildlife</p> <p>51.1 # total # ha harvested where licensee plans contained commitments to protect Identified Wildlife</p> <p>List IWMS Species managed for:</p> <p>Mountain Beaver</p> <p>Goshawk</p>
<p><b>7</b></p>	<p><b>Monitoring/Reporting:</b> Utilize local knowledge, actual on the ground indicators and strategy mapping to enable data consolidation. Licensees will report:</p> <ul style="list-style-type: none"> <li>the number of cutblocks harvested that were managed consistent with the mule deer winter range strategy as compared to the total number of cutblocks harvested that were within the mule deer winter range area.</li> </ul>	<p>16 # of cutblocks managed consistent with mule deer strategy /</p> <p>16 total # of blocks harvested within mule deer winter range area</p>
<p><b>8</b></p>	<p><b>Monitoring/Reporting:</b> Licensees will report volume of Canada #1 seed applied and the volume of total seed applied (kilograms) for the reporting period.</p>	<p>3000 kg volume of Canada #1 seed purchased /</p> <p>3000 kg volume of total seed applied</p>

Appendix 2 – SFM Plan Reporting Format

<p><b>9</b></p>	<p><b>Monitoring/Reporting:</b> Harvest priorities will be established internally and consistent with the District forest health strategy. These priorities are monitored and revised as new information is made available. Licensees will report the:</p> <ul style="list-style-type: none"> <li>• Number of hectares committed to harvest by critical time frame.</li> <li>• Number of hectares harvested within critical time frame.</li> </ul> <p>Licensees will report these figures by catastrophic forest health agent (e.g. mountain pine beetle)</p>	<p>529 ha committed to harvest by critical timeframe (by catastrophic forest health agent)</p> <p>568 ha harvested within critical timeframe (by catastrophic forest health agent)</p> <p>Catastrophic Health Agent Mountain Pine Beetle (IBM)</p>
<p><b>10</b></p>	<p><b>Monitoring/Reporting:</b> Licensees will report the area of cutblocks that achieved free growing status (prior to or at late free-growing date) as compared to the total hectares declared free growing status prior to, at or beyond late free-growing date (during the reporting year).</p>	<p>685.5 ha of cutblocks that achieved free growing status prior to or at late re-growing date /</p> <p>685.5 total ha declared free-growing status prior to, at or beyond late free-growing date</p>
<p><b>11</b></p>	<p><b>Monitoring/Reporting:</b> Licensees will report the cutblock area (ha) which achieved free growing status and the average time (years) that the cutblock outperformed late free growing date (weighted average based on cutblock area).</p>	<p>685.5 # of ha achieving free-growing prior to late free-growing date</p> <p>Average time 4.9 years that cutblocks outperformed late free growing date (weighted average: [area x year] + [area x year] + [area x year] / total area)</p>

Appendix 2 – SFM Plan Reporting Format

12	<p><b>Monitoring/Reporting:</b> Information from Licensee plans will be utilized unless an internal or Ministry of Forests and Range inspection reports the plan number has been exceeded, in which case the actual number will be used in report. Licensees will report the:</p> <ul style="list-style-type: none"> <li>• cutblock area (ha) of permanent roads and landings identified in licensee plans as compared to the gross block area (ha) for cutblocks harvested during the reporting year.</li> </ul>	<p>77.3 ha of permanent access structures / 1669.3 ha total gross cutblock area 4.6%</p>
13	<p><b>Monitoring/Reporting:</b> Licensees will report the area (hectares) where soil disturbance commitments were not achieved as compared to the total gross area harvested during the reporting year.</p>	<p>0 ha soil disturbance where plan commitments were not achieved (report impacted area only) 1669.3 total gross area harvested</p>
14	<p><b>Monitoring/Reporting:</b> Licensees will report the number and associated area of operationally caused slides resulting from a failure to perform a terrain hazard assessment or follow the recommendations within a completed assessment.</p>	<p>0 # of slides 0 Area of slides</p>
15	<p><b>Monitoring/Reporting:</b> Licensees will report the number of cutblocks harvested where the watershed ECA exceeded 35% and no further hydrological assessments were completed compared to the total number of cutblocks harvested where the watershed ECA exceeded 35%.</p>	<p>4 total # of cutblocks harvested where the watershed ECA exceeded 35% 0 # cutblocks where ECA exceeded 35% and no further hydrological assessments were completed</p>

<p><b>16</b></p>	<p><b>Monitoring/Reporting:</b> Road inspection frequency is based on risk (i.e. community watershed, fish stream presence and level of deactivation, previous history). Licensees will report the:</p> <ul style="list-style-type: none"> <li>• Number of road/structure inspections completed as compared to the number of inspections established in road maintenance programs during the reporting year.</li> <li>• Number of maintenance action items related to water management and soil movement completed as compared to the total number of maintenance action items that required completion during the reporting year.</li> </ul>	<p>305 # of road/structure inspections completed / 315 # of inspections established in program</p> <p>Due to flooding in the Tulameen area, resources were relocated to the floods for damage/safety concerns. The opportunity to visit the John Burns Road was then missed due to heavy snowfall. This area has been rescheduled for inspection in 2007.</p> <p>11 total # of maintenance action items requiring completion during the reporting period</p> <p>11 # of maintenance action items completed as scheduled</p>
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Appendix 2 – SFM Plan Reporting Format

<p><b>17</b></p>	<p><b>Monitoring/Reporting:</b> Utilize information for initial prescribed planting, not for fill planting. Licensees will report:</p> <ul style="list-style-type: none"> <li>• The area planted prior or within the third growing season as compared to the total area planted during the reporting year.</li> <li>• The hectares of naturally regenerated area that achieved regeneration delay as compared to the total hectares of naturally regenerated area where regeneration delay expired during the reporting year.</li> </ul>	<p>1426.4 ha planted prior to or within the third growing season / 1430.5 total ha planted</p> <p>223-1 was completed in the 4<sup>th</sup> season due to continued harvesting on the southern portion of the block. The area was not planted in conjunction with the rest of the block because it was used for harvesting access.</p> <p>4.6 ha of naturally regenerated area meeting regeneration delay /</p> <p>4.6 total ha of naturally regenerated area where regeneration delay expired during the reporting year.</p>
<p><b>18</b></p>	<p><b>Monitoring/Reporting:</b> Licensees will report the harvest level allocated for each license and harvest level cut (cut control volume) for the past reporting year.</p>	<p>A18696 (License)</p> <p>252 503 m<sup>3</sup> annual harvest 382 679 m<sup>3</sup> annual allocation</p> <p>A74911 (License)</p> <p>29 965 m<sup>3</sup> annual harvest 125 000 m<sup>3</sup> annual allocation</p> <p>Variance exceeded ____ yes <input checked="" type="checkbox"/> no</p>

Appendix 2 – SFM Plan Reporting Format

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<b>19</b>	<p><b>Monitoring/Reporting:</b> Licensees will report the total output of lumber (thousand board feet), chips, shavings and hog fuel (bone dry units) from sawmills within the TSA. For other lumber products report the total output (m3) (e.g. posts).</p>	<p>Total lumber output 231 861 mbf                  Total chip, shavings and hog fuel output 158 560 bdu                  Total other 0 m3</p>
<b>20</b>	<p><b>Monitoring/Reporting:</b> Licensees will report:</p> <ul style="list-style-type: none"> <li>• The number of timber processing facility operating days.</li> <li>• The average number of shifts for days the mill was in production.</li> <li>• The number of mill employees on payroll.</li> </ul>	<p>250 # of timber processing facility operating days                  3.0 # average number of shifts for days the mill was in production                  215 # of mill employees on payroll</p>

Appendix 2 – SFM Plan Reporting Format

<p>21</p>	<p><b>Monitoring/Reporting:</b> Licensee will report the area harvested where licensee plans contained commitments to manage lakeshore and the area harvested where operations conformed to Licensee plans to manage lakeshore.</p>	<p>39.3 total ha which required management for lakeshore guidelines</p> <p>38.5 # ha where operations conformed to the plan</p> <p>A small area amounting to 0.8 ha in CP 312-D51 is located within the LMZ of a class C lake. The Site Plan for the block did not refer to the LMZ or specific “commitments to manage lakeshore”. The prescribing forester was aware that the lake was a classified lake (L1) and knew that the LMZ objectives were achieved in the Site Plan. If the block was closer to the lake or covered a larger area in proximity to the lake, the Site Plan would have incorporated a specific management strategy to address the LMZ. With the current level of encroachment within the LMZ, the prescribed activities easily met and exceeded the lakeshore management guidelines for a class C lake.</p> <p>We acknowledge that this 0.8 ha area is considered a CSA non-conformance and as a result, we have developed a PIF to address the situation.</p>
<p>22</p>	<p><b>Monitoring/Reporting:</b> Licensees will report the number of harvested cutblocks in known scenic areas with visual impact assessments completed as compared to the number of cutblocks harvested which required a visual impact assessment during the reporting year.</p>	<p>12 # of harvested cutblocks in known scenic areas with VIA completed /</p> <p>12 # of cutblocks harvested which required VIA to be completed</p>

*Appendix 2 – SFM Plan Reporting Format*

<b>23</b>	<b>Monitoring/Reporting:</b> Licensees will report the number of meetings (including amendments) which were held and available to discuss Forest Development Plans/Forest Stewardship Plans and the number of people who attended these meetings.	<p>27 # of FDP/FSP Meetings</p> <p>107 # of people who attended FDP/FSP meetings</p>
<b>24</b>	<b>Monitoring/Reporting:</b> Licensees will report the number of SFM Advisory Group meetings held during the reporting year.	3 # of SFM advisory group meetings
<b>25</b>	<b>Monitoring/Reporting:</b> Licensees will report the number of Forest Development Plan/Forest Stewardship Plan consultation meetings held with First Nations.	65 # of FDP/FSP First Nations consultation meetings
<b>26</b>	<b>Monitoring/Reporting:</b> Licensees (through the NSIFS) will report the nature of involvement that First Nations had with the Nicola Similkameen Innovative Forestry Society.	<p>First Nations involved in NSIFS X yes ____ no</p> <p>Describe the nature of involvement below:</p> <ul style="list-style-type: none"> <li>• Co-chair of the Board of Directors</li> <li>• Two of seven members on the Board of Directors</li> <li>• Includes membership from two Tribal Nations</li> <li>• Active participation and membership on the Technical Committee</li> <li>• Major recipients of NSIFS contract work               <ul style="list-style-type: none"> <li>○ Upper Similkameen Indian Band</li> <li>○ Nicola Tribal Association</li> <li>○ Upper Nicola Band</li> </ul> </li> </ul>

Appendix 2 – SFM Plan Reporting Format

<p><b>27</b></p>	<p><b>Monitoring/Reporting:</b></p> <p>27a: Licensees will report the number of forestry extension activities that were offered to reach community people and the number of community people that attended each activity.</p> <p>27b: Licensees will report a yes/no answer as to whether the web site is being maintained, and whether SFMP and other information was made publicly available in the last year.</p> <p>27c: Licensees will report on the number of responses sent out by licensees compared to the number of written requests for communication. Report the average timeline for response.</p>	<p>36 # of extension activities</p> <p>239 # of community people reached through extension activities (career days, class room presentations, tours, open houses)</p> <p>Website updated during reporting year  <input checked="" type="checkbox"/> Yes, ___ No</p> <p>SFMP and other information circulating to the public in the last year (news release/leaflet/open house etc.)  <input checked="" type="checkbox"/> Yes, ___ No</p> <p>Number of written requests for communication 0</p> <p>Number of responses sent out by licensees 0</p> <p>Average timeline for response 0</p>
<p><b>29</b></p>	<p><b>Monitoring/Reporting:</b> Licensees will report and provide detail regarding local business initiatives and partnerships</p>	<p>List and provide detail regarding local business initiatives and partnerships</p> <ul style="list-style-type: none"> <li>• Highland Block Sort – Merritt</li> <li>• Ska-Lu-La – Merritt</li> <li>• Upper Nicola Band</li> </ul>

Appendix 2 – SFM Plan Reporting Format

30	<p><b>Monitoring/Reporting:</b> Licensees will report the number of First Nation written comments specifically related to Forest Development Plan/Forest Stewardship Plan responded to, compared to the number of First Nations written comments received-in the reporting year that need a response.</p>	<p>1 # of First Nations comments related to FDPs /FSPs requiring a response</p> <p>1 # of Licensee responses to First Nations comments requiring a response</p>
31	<p><b>Monitoring/Reporting:</b> Licensees will report the number of stakeholder and public written comments specifically related to Forest Development Plan/Forest Stewardship Plan referral that need a response, as compared to the number of Forest Development Plan consultation-comments responded to by licensees during the reporting year.</p>	<p>0 # of stakeholder/public comments related to FDPs /FSPs requiring a response</p> <p>0 # of Licensee responses to stakeholder/public comments requiring a response</p>
32	<p><b>Monitoring/Reporting:</b> Licensees will report the average time (months), for road cut and fill slope seeding application, completed during the reporting year on newly constructed roads.</p>	<p>51.6 total km of road grass seeded</p> <p>3.4 average months for grass seed application</p>
33	<p><b>Monitoring/Reporting:</b> Licensee report the current number of hectares maintained as Protected Areas as last reported by a Timber Supply Review</p> <p>Licensees report the total area of draft OGMA's within their operating area and the area of net OGMA reduction as a result of their operations.</p>	<p>60 548 ha maintained as Protected Areas (data to come from current TSR).</p> <p>42 110 ha Total area of draft OGMA's within Operating Area</p> <p>0 ha Net OGMA reduction as a result of operations</p> <p>Note: OGMA's may overlap into the Protected areas</p>

Appendix 2 – SFM Plan Reporting Format

<p><b>34</b></p>	<p><b>Monitoring/Reporting:</b> Licensee report the current age class distribution on as last reported by a Timber Supply Review</p>	<p>Age class as percent of timber harvesting land base (data to come from current TSR).</p> <p>Age Class 1 = 12%                  Age Class 2 = 3%                  Age Class 3 = 5%                  Age Class 4 = 12%                  Age Class 5 = 10%</p> <p>Average Age Class Distribution = 8%</p>
<p><b>35</b></p>	<p><b>Monitoring/Reporting:</b> Survey responses coded 1 (poor), 2, 3 (satisfactory), 4, 5 (well done), and averaged.</p> <p>Results of feedback form compiled and reported, including any written comments as part of annual monitoring program.</p>	<p>Response average 4.1</p> <p>Results of feedback form compiled and reported                  X Yes_____ No</p>
<p><b>36</b></p>	<p><b>Monitoring/Reporting:</b> Licensee report the current mai as last reported by a Timber Supply Review</p>	<p>Current mai in m<sup>3</sup>/ha/yr (data to come from current TSR).</p> <p>Spruce – 2.80 m<sup>3</sup>                  Lodgepole Pine – 2.18 m<sup>3</sup>                  Douglas-fir – 1.37 m<sup>3</sup></p>