

Merritt TSA Sustainable Forest Management Plan Annual Report

Reporting year: 2007

Licensee: Tolko Industries Ltd. Forest Licences – A18696, A18697, A74911

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

2	Monitoring/Reporting: 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>46 # of riparian commitments in plans /</p> <p>0 # of non-conformances to riparian commitments in plans</p> <p>Provide details regarding non-conformances below:</p>
3	Monitoring/Reporting: 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>65 # of cutblocks >5ha with associated Wildlife Tree retention /</p> <p>65 total # of cutblocks harvested</p>
4	Monitoring/Reporting: Licensees will report the number of First Nation commitments related to the Forest Development Plan (FDP) or Forest Stewardship Plan (FSP) that were achieved as compared to the total number of First Nations commitments made in the FDP/FSP.	<p>104 # of First Nation commitments related to FDP/FSP achieved /</p> <p>104 total # of First Nation commitments made in FDP/FSP</p>

5	<p>Monitoring/Reporting: 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"> 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. 	<p>857 # of harvested areas that were declared free growing and regenerated in compliance with the stocking standards /</p> <p>857 total # of harvested areas that were declared free growing</p>
6	<p>Monitoring/Reporting: 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>163.7 # ha harvested where operations conformed to licensee plans to protect Identified Wildlife</p> <p>163.7 # total # ha harvested where licensee plans contained commitments to protect Identified Wildlife</p> <p>List IWMS Species managed for:</p> <p>Mountain Beaver Goshawk</p>
7	<p>Monitoring/Reporting: 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"> 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. 	<p>7 # of cutblocks managed consistent with mule deer strategy /</p> <p>7 total # of blocks harvested within mule deer winter range area</p>

8	<p>Monitoring/Reporting: Licensees will report the percent of Canada #1 seed or equivalent grass seed applied during the reporting period.</p>	<p>100 percent of seed applied during the reporting period that was Canada #1 or equivalent</p>
9	<p>Monitoring/Reporting: 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"> • Number of hectares committed to harvest by critical time frame. • Number of hectares harvested within critical time frame. <p>Licensees will report these figures by catastrophic forest health agent (e.g. mountain pine beetle)</p>	<p>646.4 ha committed to harvest by critical timeframe (by catastrophic forest health agent)</p> <p>592.0 ha harvested within critical timeframe (by catastrophic forest health agent)</p> <p>Catastrophic Health Agent(s):</p> <p>Mountain Pine Beetle (MPB) – 479.4 ha</p> <p>Mountain Pine Beetle and Root Disease (MPB/DRL) – 112.6 ha</p>
10	<p>Monitoring/Reporting: 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>Licensees will report the percent of area where cutblocks were free growing on their early free growing date. Where no “early free growing date” exists, licensees will report the percent of area, which achieved free growing 5 years after planting.</p>	<p>798.8 ha of cutblocks that achieved free growing status prior to or at late re-growing date /</p> <p>857 total ha declared free-growing status prior to, at or beyond late free-growing date</p> <p>Three blocks totaling 58 ha were not surveyed or reported prior to the late free growing date. However, all three areas would have met free growing requirements if the survey information was collected within the appropriate time frame.</p> <p>44 percent of areas that were free growing on their early free growing date</p>

11	<p>Monitoring/Reporting: 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>787.4 # of ha achieving free-growing prior to late free-growing date</p> <p>Average time 6 years that cutblocks outperformed late free growing date (weighted average: [area x year] + [area x year] + [area x year] / total area)</p>
12	<p>Monitoring/Reporting: 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"> • 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. 	<p>77.7 ha of permanent access structures / 1549.7 ha total gross cutblock area</p>
13	<p>Monitoring/Reporting: Licensees will report the area (ha) 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)</p> <p>1549.7 total gross area harvested</p>
14	<p>Monitoring/Reporting: 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</p> <p>0 Area of slides</p>
15	<p>Monitoring/Reporting: 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>0 total # of cutblocks harvested where the watershed ECA exceeded 35%</p> <p>0 # cutblocks where ECA exceeded 35% and no further hydrological assessments were completed</p> <p>List Watersheds:</p>

<p>16</p>	<p>Monitoring/Reporting: 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"> • Number of road/structure inspections completed as compared to the number of inspections established in road maintenance programs during the reporting year. • 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. 	<p>316 # of road/structure inspections completed /</p> <p>317 # of inspections established in program</p> <p>A 40 m section of road was missed during inspection this year. This road is very low risk and will be rescheduled for 2008. This little spur was missed because the roads surrounding this spur were inspected previously, thus were not driven and the spur was missed. The total length of inspected roads to be completed was 744 889.5. The percentage of roads not completed by length is .005%.</p> <p>16 total # of maintenance action items requiring completion during the reporting period</p> <p>15 # of maintenance action items completed as scheduled</p> <p>Section 17-30 – Fill over 1000 mm pipe (on tributary off of Skwum Creek) is starting to cave in. Scheduled to remove/extend pipe in 2007 was not complete. Rescheduled for 2008.</p>
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<p>17</p>	<p>Monitoring/Reporting: Utilize information for initial prescribed planting, not for fill planting. Licensees will report:</p> <ul style="list-style-type: none"> • The area planted prior or within the third growing season as compared to the total area planted during the reporting year. • 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. 	<p>1687.1 ha planted prior to or within the third growing season / 1687.6 total ha planted</p> <p>277.7 ha of naturally regenerated area meeting regeneration delay / 277.7 total ha of naturally regenerated area where regeneration delay expired during the reporting year.</p>
<p>18</p>	<p>Monitoring/Reporting: 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) 241 347 m³ annual harvest 331 966 m³ annual allocation</p> <p>A18697 (License) 3 908 m³ annual harvest 7 640 m³ annual allocation</p> <p>A74911 (License) 174 321 m³ annual harvest 125 000 m³ annual allocation</p> <p>Variance exceeded ____ yes <input checked="" type="checkbox"/> no</p>

19	<p>Monitoring/Reporting: 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 181 842 mbf Total chip, shavings and hog fuel output 132 062 bdt Total other 0 m³</p>
20	<p>Monitoring/Reporting: Licensees will report:</p> <ul style="list-style-type: none"> • The number of timber processing facility operating days. • The average number of shifts for days the mill was in production. • The number of mill employees on payroll. 	<p>247 # of timber processing facility operating days 2.5 average number of shifts for days the mill was in production 195 # of mill employees on payroll</p>
21	<p>Monitoring/Reporting: 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>17.6 total ha which required management for lakeshore guidelines 17.6 # ha where operations conformed to the plan</p>
22	<p>Monitoring/Reporting: 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>7 # of harvested cutblocks in known scenic areas with VIA completed / 8 # of cutblocks harvested which required VIA to be completed</p> <p>A 1.0 ha portion of a 1.3 ha opening in CP 225-4-A18696 falls within an identified scenic area, which had a known recommended VQO of Modification. The Site Plan (dated June 7, 1998) did not acknowledge that the area was within a scenic area. As a consequence, no VIA was completed. In reviewing the opening size and the recommended VQO, there is no negative impact on the scenic quality.</p>

23	Monitoring/Reporting: 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.	18 # of FDP/FSP Meetings 90 # of people who attended FDP/FSP meetings
24	Monitoring/Reporting: Licensees will report the number of SFM Advisory Group meetings held during the reporting year.	3 # of SFM advisory group meetings
25	Monitoring/Reporting: Licensees will report the number of Forest Development Plan/Forest Stewardship Plan consultation meetings held with First Nations.	63 # of FDP/FSP First Nations consultation meetings
26	Monitoring/Reporting: Licensees (through the NSIFS) will report the nature of involvement that First Nations had with the Nicola Similkameen Innovative Forestry Society.	First Nations involved in NSIFS <input checked="" type="checkbox"/> yes ____ no Describe the nature of involvement below: <ul style="list-style-type: none">• Co-chair of the Board of Directors• Two of seven members of the Board of Directors• Includes membership from two Tribal Nations• Active participation and membership in the Technical Advisory Committee• Major recipients of NSIFS contract work<ul style="list-style-type: none">○ Upper Similkameen Indian Band○ Upper Nicola Band○ Nicola Tribal Association○ Lower Nicola Indian Band○ Esh-kn-em Joint Ventures○ Stuwix Resources

<p>27</p>	<p>Monitoring/Reporting:</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>43 # of extension activities</p> <p>364 # 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, <input type="checkbox"/> 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, <input type="checkbox"/> 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>
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<p>29</p>	<p>Monitoring/Reporting: 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"> • Pine Ideas – Merritt <ul style="list-style-type: none"> ○ Custom cut operation of Nicola fall-down decking ○ Return product of kiln strips for Nicola mill • Highland Block Sort – Merritt <ul style="list-style-type: none"> ○ Fifth year of partnership ○ Joint venture with Nicola mill providing trim blocks for sorting, chopping, and marketing of product through Tolko brokerage. • Ska-Lu-La – Merritt <ul style="list-style-type: none"> ○ Community based program for the disabled ○ Manufacture of lath and dunnage for all of Nicola's products ○ Nine years in partnership • Upper Nicola Band <ul style="list-style-type: none"> ○ MoU and contract to manage the Band's Salvage Non-Replaceable Forest License through a Forest and Range Agreement. ○ The Agreement included a volume of 145 000 m³ in the first agreement and a volume of 150 000 m³ in the second agreement. • Upper Similkameen Indian Band <ul style="list-style-type: none"> ○ Contract tree planting ○ Annual contract with the Band
<p>30</p>	<p>Monitoring/Reporting: 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>0 # of First Nations comments related to FDPs /FSPs requiring a response</p> <p>0 # of Licensee responses to First Nations comments requiring a response</p>

31	<p>Monitoring/Reporting: 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>Monitoring/Reporting: 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>21.4 total km of road grass seeded</p> <p>2.5 average months for grass seed application</p>
33	<p>Monitoring/Reporting: 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</p> <p>41 955 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: OGMAs may overlap into the Protected areas</p>
34	<p>Monitoring/Reporting: 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%</p> <p>Age Class 2 = 3%</p> <p>Age Class 3 = 5%</p> <p>Age Class 4 = 12%</p> <p>Age Class 5 = 10%</p> <p>Average Age Class Distribution = 8%</p>

<p>35</p>	<p>Monitoring/Reporting: Survey responses coded 1 (poor), 2, 3 (satisfactory), 4, 5 (well done), and averaged.</p> <p>Results of feedback form compiled and reported, including an written comments as part of annual monitoring program.</p>	<p>Response average ____</p> <p>Results of feedback form compiled and reported ____ Yes ____ No</p>
<p>36</p>	<p>Monitoring/Reporting: Licensee report the current mai as last reported by a Timber Supply Review</p>	<p>Current mai in m³/ha/yr (data to come from current TSR).</p> <p>Spruce – 2.80 m³ Lodgepole Pine – 2.18 m³ Douglas-fir – 1.37 m³</p>