

Merritt TSA Sustainable Forest Management Plan Annual Report

Reporting year: 2004

Licensee: Tolko Industries Ltd. – Nicola Valley Division

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

1	<p>Monitoring/Reporting: Licensees will report the total number of hectares of Natural Disturbance Type 4 (NDT) greater than 250 years of age they have harvested (block area) during the reporting year as compared to the total number of hectares of Natural Disturbance Type 4 greater than 250 years of age (total TSA area, figure from Ministry of Forests).</p> <p>Licensees will also report the number of hectares harvested in age class greater than 250 years in NDT 4 where the leading species (from inventory label) is/are not harvested but younger trees (not contributing to the inventory age stand age) are harvested. An example would be the harvest of younger lodgepole pine in a mixed older fir and successional pine forest.</p>	<p><u>27</u></p> <p><u>13 849</u></p> <p><u>27</u></p>	<p>Total ha of NDT 4 >250 years harvested (leading species from inventory type label).</p> <p>Total ha of NDT 4 >250 years (total TSA area, figure from MOF)</p> <p>Number of ha harvested in age class greater than 250 years in NDT 4 where the leading species (from inventory label) is/are not harvested but younger trees (not contributing to the inventory age stand age) are harvested.</p>

<p>2</p>	<p>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>	<p><u>42</u> # of riparian commitments in plans (2004 Harvesting)</p> <p><u>1</u> # of non-conformances to riparian commitments in plans (2003 Harvesting inspected in 2004)</p> <p>Provide details regarding non-conformances below: <u>S6 diverted into ditchline through landing – 192-2 (this was found during a post-harvest inspection – more details can be found in an Environmental Incident Report on our internal EMS system)</u></p>
<p>3</p>	<p>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>	<p><u>60</u> # of cutblocks >5ha with associated Wildlife Tree retention /</p> <p><u>60</u> total # of cutblocks >5ha harvested</p>
<p>4</p>	<p>Monitoring/Reporting: 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><u>37</u> # of First Nation commitments related to FDP achieved /</p> <p><u>38</u> total # of First Nation commitments made in FDP</p> <p>The one commitment (PFR) that was not completed in 2004 will be completed prior to the CP being completed and harvesting commencing.</p>

<p>5</p>	<p>Monitoring/Reporting: All trees planted on harvested areas must comply with stocking standards specified in Licensee plans. Licensees will report the:</p> <ul style="list-style-type: none"> number of harvested areas which were planted with species ecologically suited to the site during the reporting period. This will be compared to the total number of harvested areas planted. 	<p><u>64</u> # of harvested areas that were planted with species ecologically suited to the site</p> <p><u>64</u> total # of harvested areas that were planted (757.8 ha planted = 64 Blocks)</p>
<p>6</p>	<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><u>33</u> # ha harvested where operations conformed to licensee plans to protect Identified Wildlife</p> <p><u>33</u> # total # ha harvested where licensee plans contained commitments to protect Identified Wildlife</p> <p>List IWMS Species managed for: Mountain Beaver Goshawk</p>
<p>7</p>	<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><u>6</u> # of cutblocks managed consistent with mule deer strategy /</p> <p><u>6</u> total # of blocks harvested within mule deer winter range area</p>

8	<p>Monitoring/Reporting: Licensees will report the total amount of Canada #1 or equivalent grass seed purchased (kilograms) as compared to total seed applied (kilograms) for the reporting period.</p>	<p><u>1 000</u> kg of seed Canada #1 or equivalent purchased/ <u>1 500</u> total kg of seed applied for revegetation of r/w.</p>
9	<p>Monitoring/Reporting: Harvest priorities established in forest health strategy 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><u>177</u> ha committed to harvest by critical timeframe (by catastrophic forest health agent) <u>147</u> ha harvested within critical timeframe (by catastrophic forest health agent)</p> <p>Catastrophic Health Agent Mountain Pine Beetle</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><u>713</u> ha of cutblocks that achieved free growing status prior to or at late re-growing date / <u>713</u> total ha declared free-growing status prior to, at or beyond late 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><u>688</u> # of ha achieving free-growing prior to late free-growing date</p> <p>Average time <u>4.3</u> 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 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><u>69</u> ha of permanent access structures / <u>1 224</u> ha total gross cutblock area <u>5.7%</u></p>
13	<p>Monitoring/Reporting: 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><u>0</u> ha soil disturbance where plan commitments were not achieved (report impacted area only) <u>1 224</u> 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><u>0</u> # of slides <u>0</u> 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><u>0</u> total # of cutblocks harvested where the watershed ECA exceeded 35% <u>0</u> # cutblocks where ECA exceeded 35% and further hydrological assessments were completed</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 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><u>373</u> # of road inspections completed /</p> <p><u>373</u> # of inspections established in program</p> <p><u>13</u> total # of maintenance action items requiring completion during the reporting period</p> <p><u>12</u> # of maintenance action items completed as scheduled</p> <p>Bridge deck was not complete. Decking was made. Scheduled to be completed by Bob Reichert. Reichert delayed and then we were snowed out. Will be done in 2005.</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 which achieved regeneration delay as compared to the total hectares of naturally regenerated area where regeneration delay expired during the reporting year. 	<p>536 ha planted prior to or within the third growing season /</p> <p>537 total ha planted</p> <p>0.5 ha hole was planted in 2004. This block was planted in 2003, but a hole was missed and scheduled to be planted in 2004.</p> <p>239 ha of naturally regenerated area meeting regeneration delay /</p> <p>19 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)</p> <p>366 633 m3 annual harvest 305 331 m3 annual allocation</p> <p>A74911 (License)</p> <p>0 m3 annual harvest 125 000 m3 annual allocation</p> <p>Variance exceeded ____ yes <input checked="" type="checkbox"/> no</p>

19	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).	Total lumber output 173 772 mbf Total chip, shavings and hog fuel output 110 029 bdu Total other 0 m3
20	Monitoring/Reporting: Licensees will report the number of facility operating days.	251 # of facility operating days
21	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.	22 total ha which required management for lakeshore guidelines 22 # ha where operations conformed to the plan
22	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.	19 # of harvested cutblocks in known scenic areas with VIA completed / 19 # of cutblocks harvested which required VIA to be completed
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.	23 # of FDP/FSP meetings 306 # of people who attended FDP/FSP meetings There is some overlap of people who may have attended more than one meeting
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.	<u>19</u> # 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"> • One of seven members of board of directors. • Includes membership from two Tribal Nations • Active participation on technical committee. • Major recipient of contract work from society. • On occasion, host society meetings.
27	Monitoring/Reporting: 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. 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. 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.	<u>7</u> # of extension activities <u>127</u> # of community people reached through extension activities (career days, class room presentations, tours, open houses) Website updated during reporting year <input checked="" type="checkbox"/> Yes, ____ No SFMP and other information circulating to the public in the last year (news release/leaflet/open house etc.) <input checked="" type="checkbox"/> Yes, ____ No Number of written requests for communication <u>0</u> Number of responses sent out by licensees <u>0</u> Average timeline for response <u>N/A</u>

29	Monitoring/Reporting: Licensees will report and provide detail regarding local business initiatives and partnerships	List and provide detail regarding local business initiatives and partnerships Highland Block Sort Ska-Lu-La Aberdeen Wood Products Larry Kirk Sawmills Eagles Nest Log Homes Nicola Post and Rail	
30	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.	<u>3</u>	# of First Nations comments related to FDPs /FSPs requiring a response
31	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.	<u>3</u>	# of Licensee responses to First Nations comments requiring a response
32	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.	<u>1</u>	# of stakeholder/public comments related to FDPs /FSPs requiring a response
31	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.	<u>1</u>	# of Licensee responses to stakeholder/public comments requiring a response
32	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.	<u>47</u>	total km of road grass seeded
		<u>3</u>	average months for grass seed application

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 number of opportunities to participate in OGMA delineation and number of opportunities taken.</p>	<p>Number of hectares maintained as Protected Areas (data to come from current TSR). 60 548 ha</p> <p>Number of opportunities to participate in OGMA delineation 9</p> <p>Number of opportunities taken 9</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 = 11%</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>
35	<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 as part of annual monitoring program.</p>	<p>Response average 3.9</p> <p>Results of feedback form compiled and reported <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
36	<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). 1.52 m³</p>