

Merritt Timber Supply Area Sustainable Forest Management Plan



March, 2003

Merritt TSA Sustainable Forest Management Plan Annual Report

Reporting year: 2003

Licensee: Tolko Industries Ltd. – Nicola Valley Division

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

Obj #	Monitoring parameter	Monitoring results
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 logdepole pine in a mixed older fir and successional pine forest.</p>	<p>___ 0 ___ Total ha of NDT 4 >250 years harvested (leading species from inventory type label).</p> <p>13849 Total ha of NDT 4 >250 years (total TSA area, figure from MoF) PJS note: same figure as 2002</p> <p>___ 0 ___ 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>
2	<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>_29_ # 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> <p style="text-align: center;">___ n/a ___</p>
3	<p>Monitoring/Reporting: Licensees will report, for</p>	<p>_39_ # of cutblocks >5ha with associated Wildlife Tree retention /</p>

Appendix 3 – Summary of Publicly Developed Values, Goals, Indicators and Objectives

Obj #	Monitoring parameter	Monitoring results
	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.	_43_ total # of cutblocks harvested
4	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.	_0_ # of First Nation commitments related to FDP achieved / _0_ total # of First Nation commitments made in FDP
5	Monitoring/Reporting: All trees planted on harvested areas must comply with stocking standards specified within the silviculture prescription. Licensees will report the: <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. 	_94_ # of harvested areas that were planted with species ecologically suited to the site _94_ total # of harvested areas that were planted (note: 849 ha = 94 openings)

Appendix 3 – Summary of Publicly Developed Values, Goals, Indicators and Objectives

Obj #	Monitoring parameter	Monitoring results
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>_21_# ha harvested where operations conformed to licensee plans to protect Identified Wildlife</p> <p>_21_# total # ha harvested where licensee plans contained commitments to protect Identified Wildlife</p> <p>List IWMS Species managed for:</p> <p>Mountain beaver; Tailed frog; goshawk; grizzly bear; bull trout</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>_5_# of cutblocks managed consistent with mule deer strategy /</p> <p>_5_ 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>3300 kg of seed Canada #1 or equivalent purchased /</p> <p>1800 total kg of seed applied for revegetation of r/w.</p>

Appendix 3 – Summary of Publicly Developed Values, Goals, Indicators and Objectives

Obj #	Monitoring parameter	Monitoring results
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> 0 </u> ha committed to harvest by critical timeframe (by catastrophic forest health agent)</p> <p><u> 295 </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>458 ha of cutblocks that achieved free growing status prior to or at late re-growing date /</p> <p>458 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>411 # of ha achieving free-growing prior to late free-growing date</p> <p>Average time <u> 8 </u> years that cutblocks outperformed late free growing date (weighted average: [area x year] + [area x year] + [area x year] / total area)</p>

Appendix 3 – Summary of Publicly Developed Values, Goals, Indicators and Objectives

Obj #	Monitoring parameter	Monitoring results
12	<p>Monitoring/Reporting: Information from silviculture prescription 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>_62_ ha of permanent access structures / 1075 ha total gross cutblock area</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>_10_ ha soil disturbance where plan commitments were not achieved (report impacted area only) 1075 ha 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 _0_ Area of slides</p>

Appendix 3 – Summary of Publicly Developed Values, Goals, Indicators and Objectives

Obj #	Monitoring parameter	Monitoring results
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%</p> <p><u>0</u> # cutblocks where ECA exceeded 35% and further hydrological assessments were completed</p>
16	<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 from those identified during inspections as compared to the total number of maintenance action items that required completion during the reporting year. 	<p>513 # of road inspections completed /</p> <p>516 # of inspections established in program</p> <p><u>25</u> total # of maintenance action items requiring completion during the reporting period</p> <p><u>25</u> # of maintenance action items completed as scheduled</p>

Appendix 3 – Summary of Publicly Developed Values, Goals, Indicators and Objectives

Obj #	Monitoring parameter	Monitoring results
17	<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 was due during the reporting year. 	<p>667 ha planted prior to or within the third growing season / _ 668 total ha planted</p> <p>222 ha of naturally regenerated area meeting regeneration delay / _0_ total ha of naturally regenerated area where regeneration delay was due during the reporting year.</p>
18	<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>FLA18696 (License) 335,395 m3 annual harvest 268,954 m3 annual allocation</p> <p>_____(License) ____m3 annual harvest _____m3 annual allocation</p> <p>Variance exceeded ___yes _X__no</p>
19	<p>Monitoring/Reporting: Licensees will report the total output of lumber (thousand board feet) and 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 146,781 mbf</p> <p>Total chip, shavings and hog fuel output 26,670 bdu</p> <p>Total other _0_ m³</p>

Appendix 3 – Summary of Publicly Developed Values, Goals, Indicators and Objectives

Obj #	Monitoring parameter	Monitoring results
20	Monitoring/Reporting: Licensees will report the number of facility operating days.	241 # 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 the plan.	_17_ total ha which required management for lakeshore guidelines _17_ # 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.	_5_ # of harvested cutblocks in known scenic areas with VIA completed / _5_ # of cutblocks harvested which required VIA to be completed
23	Monitoring/Reporting: Licensees will report the number of meetings (FDP including amendments) which were held and available to discuss Forest Development Plans and the number of people who attended these meetings.	_36_ # of FDP meetings _425_ # of people who attended FDP meetings
24	Monitoring/Reporting: Licensees will report the number of SFM Advisory Group meetings held during the reporting year.	_7_ # of SFM advisory group meetings
25	Monitoring/Reporting: Licensees will report the number of Forest Development Plan First Nations consultation meetings held, to support government in consultation process, during the reporting year.	_36_ # of FDP First Nations consultation meetings

Appendix 3 – Summary of Publicly Developed Values, Goals, Indicators and Objectives

Obj #	Monitoring parameter	Monitoring results
26	<p>Monitoring/Reporting: Licensees (through the NSIFS) will report the nature of involvement that First Nations had with the Nicola Similkameen Innovative Forestry Society.</p>	<p>First Nations involved in NSIFS <u>X</u> yes ___ no</p> <p>Describe the nature of involvement below:</p> <ul style="list-style-type: none"> - one of seven equal voting members - Co-chair of Board of Directors - Includes ‘Nlaka’pmx & Okanagan Nations - Integral part of NSIFS Share Agreement
27	<p>Monitoring/Reporting: Licensees will report the number of forestry extension activities such as career days, classroom presentations, tour and open houses offered to reach community people and the number of community people that attended each activity..</p>	<p><u>5</u> # of extension activities</p> <p><u>170</u> # of community people reached through extension activities</p> <p>List # of community people that attended each activity below:</p> <ul style="list-style-type: none"> - tree planting grade 5 students = 100 - 2 X 4 contest = 10 - seedling and seed kits for students = 20 - map and photo science unit = 20 - NVIT – development of CP = 20 <p>_____</p>
28	<p>Monitoring/Reporting: Licensees will report the volume (m3)of optional grades utilized (i.e. undersized pulp and grades 3 to 5). Reporting to be based on scale reports.</p>	<p>37,039 m3 of optional grades utilized</p>

Appendix 3 – Summary of Publicly Developed Values, Goals, Indicators and Objectives

Obj #	Monitoring parameter	Monitoring results
29	Monitoring/Reporting: Licensees will report on value-added business initiatives and partnerships	List and provide detail regarding value added and business initiatives and partnerships <ul style="list-style-type: none"> - Heartwood Specialties – Kamloops - Highland Block Sort – Merritt - NMV Lumber – Merritt - Ska-Lu-La – Merritt - Eagles West Log Homes – Spences Bridge - Nicola Log Works – Merritt - Larry Kirk Sawmills – Merritt
30	Monitoring/Reporting: Licensees will report the number of First Nations requests specifically related to FDPs as compared to the number of First Nations consultation referrals responded to by licensee in the reporting year.	<u>8</u> # of First Nations requests related to FDPs / <u>8</u> # of First Nations consultation referral responses
31	Monitoring/Reporting: Licensees will report the number of stakeholder and public written requests specifically related to Forest Development Plan referral as compared to the number of Forest Development Plan consultation referrals responded by licensee during the reporting period.	<u>1</u> # of stakeholder/public written requests relate to FDP <u>1</u> # of stakeholder/public consultation referral responses
32	Monitoring/Reporting: Licensees will report the average	12.7 total km of road grass seeded

Appendix 3 – Summary of Publicly Developed Values, Goals, Indicators and Objectives

Obj #	Monitoring parameter	Monitoring results
	time (months), for road cut and fill slope seeding application, completed during the reporting year on newly constructed roads.	_4_ average months for grass seed application
33	Monitoring/Reporting: Licensees will provide support to Nicola Similkameen Innovative Forestry Society to complete its public survey. Upon completion, Licensees will review the survey summary to gauge the level of local public understanding/knowledge and will develop further actions plans as necessary.	Licensees review public survey summary ___yes _X_ no Action plan in place _X_ yes ___ no