Fort St. John Pilot Project

Sustainable Forest Management Plan
2016 CSA and Regulatory Annual Report

For the period April 1, 2016 to March 31, 2017

BC Timber Sales
Canadian Forest Products Ltd.
Cameron River Logging Ltd.
Louisiana-Pacific Canada Ltd.
Mackenzie Pulpmill Corp.
Dunne-za LP
Peace Valley OSB

Final Report

October 31, 2017

Fort St. John Pilot Project

Sustainable Forest Management Plan
2016 CSA and Regulatory Annual Report

For the period April 1, 2016 to March 31, 2017

BC Timber Sales
Canadian Forest Products Ltd.
Cameron River Logging Ltd.
Louisiana-Pacific Canada Ltd.
Mackenzie Pulpmill Corp.
Dunne-za LP
Peace Valley OSB

Submitted on behalf of the participants by:

Darrell Regimbald RPF
Planning Coordinator
Canfor

Prepared by:

Andrew Tyrrell, RPF, Senior Operations Supervisor, Canfor
Stephanie Smith RPF, Operations Manager, BC Timber Sales
Walter Fister, RPF, Area Forester, BC Timber Sales
Stephanie Martin, Business Analyst, BC Timber Sales
Tony Wipfli, RPF, Planning Forester BC Timber Sales
Dawn Griffin, RPF, Silviculture Coordinator, Canfor
Kim Verbruggen, GIS Coordinator, Canfor
Matt Donovan, RPF, Silviculture Forester, Canfor
Sara Rowe, RPF, Silviculture Forester, Canfor
Debbie Ewanchuk, Woodlands Accountant, Canfor
Alan Hogg, Forestry Supervisor, Canfor
Larry McFadden, RPF, Woodlands Supervisor, BC Timber Sales
Stacy Gibbons, RPF Planning Supervisor, Canfor
Wes Neumeier, RPF Harvesting Superintendent
Jennifer McCracken, RPF Planning Supervisor Canfor

"I certify that I have reviewed this document and, while I did not personally supervise the work described, I have determined that this work has been done to the standards expected of a member of the Association of British Columbia Forest Professionals."

EXECUTIVE SUMMARY

Highlights of 2016-17

- **Sixth year under SFMP** - The 2016-17 reporting year was the sixth year of operation under SFMP# 2.
- **Fire salvage** - During the summer of 2016, 24 forest fires burned a combined area of 77,593.9 ha within the DFA. These fires occurred in High and Moderate Management Intensity Zones. Salvaging occurred within the two largest fires and was preceeded by the preparation of Major FOS amendments to include areas where salvage opportunities existed. Just over 3000 hectares were salvaged within the 2016-2017 reporting period.
- **Pine beetle salvage** - A salvage harvesting program was implemented during the reporting period to recover Lodgepole pine timber damaged by the Mountain Pine Beetle within the Fort St. John TSA. During the reporting period Canfor received 1,083,412 m3 of coniferous logs from quota and Crown purchase sources, excluding oil and gas salvage and Woodlot license areas. The total received from the pine-leading log strata was 207,622 m3 approximately 19.2% of the total volume received from quota and Crown purchase sources.
- **Market improvement** - Market conditions continued to improve in the the 2016 reporting period. The Fort St. John sawmill began operating a third shift effective in late summer 2014. Unfortunately, market conditions began to deteriorate in the last months of 2014 and early winter 2015, this lead to elimination of the third shift in summer 2015. The FSJ sawmill operated under a 2 shift scenario throughout the 2016 reporting period.
- **Indicator performance** - The participants achieved consistent positive performance regarding overall conformance to indicator targets with 64 of 67 (95.5%) indicator targets achived in the 2016-17 year.
- **Legal indicator performance** - For the period of April 1, 2016 to March 31, 2017, the participants achieved the performance indicator objectives on 27 of the 28[1] regulatory landscape level strategy indicators (Section 42 of the FSJPPR, or affecting Part 3 Division 5 of the FSJPPR-see Section 11).

Summary of Participants Consistency with the Landscape Level Strategies

The participants' progress in implementing the landscape level strategies contained in the SFMP, as measured by the degree of achievement of the target or acceptable variance of the regulatory indicators, is detailed in Section 11, and summarized as follows:

Timber Harvesting Strategy - Activities were consistent with the targets or acceptable variances on 100% (7 of 7) of the Fort St. John Pilot Project Regulation (FSJPPR) Section 42 performance indicators, and 100% (3 of 3) of non regulatory SFMP indicators (CSA indicators) linked to the Timber Harvesting Strategy.

Access Management Strategy - Activities were consistent with the targets or acceptable variances on 100% (2 of 2) of the FSJPPR Section 42 performance indicators, and 100% (1 of 1) of the Section 35 (6) performance standard indicators and 100% (1 of 1) of non regulatory SFMP indicators (CSA indicators) linked to the Access Management Strategy.

[1] Two indicators, # 2 (Seral Stage) and # 3 (Patchsize) apply to both Forest Health and Patch Size/Seral Stage Landscape Level Strategies

Patch Size, Seral Stage and Adjacency Strategy - Activities were consistent with the targets or acceptable variances on 75% (3 of 4) of the FSJPPR Section 42 performance indicators, and 50% (1 of 2) of the Section 35 (6) performance standard indicators linked to the Patch size, Seral Stage and Adjacency Strategy. The Wildlife Tree Retention target was not achieved on 1 of 11 Landscape Units.

Riparian Management Strategy - Activities were consistent with the targets or acceptable variances on 100% (4 of 4) of the FSJPPR Section 42 performance indicators, and 100% (2 of 2) of the Section 35 (6) performance standard indicators linked to the Riparian Management Strategy.

Visual Quality Management Strategy - Activities were assessed as being consistent with the target or acceptable variance for the Section 42 performance indicator on blocks requiring assessment prior to the end of the reporting period. Therefore activities were consistent with the target or acceptable variance on 100% (1 of 1) of the Section 42 performance indicator linked to the Visual Quality Strategy.

Forest Health Management Strategy - Activities were consistent with the targets or acceptable variances on 100% (5 of 5) of the Section 42 performance indicators and 100% (1 of 1) non regulatory SFMP indicators linked to the Forest Health Management Strategy.

Range and Forage Management Strategy - Activities were consistent with the targets or acceptable variances on 100% (2 of 2) of the Section 42 performance indicators, and 100% (1 of 1) non regulatory SFMP indicators linked to the Range and Forage Management Strategy.

Reforestation Strategy (conifer) - Activities were consistent with the targets or acceptable variances on 100% (4 of 4) Section 42 performance indicators, on 100% (2 of 2) Section 35 (6) performance standard indicators and 100% (1 of 1) non regulatory SFMP indicators linked to the Reforestation Strategy.

Soil Management Strategy – Activities were consistent with the target or acceptable variance for the Section 42 performance indicator linked to the Soil Management Strategy.

Summary of Changes to the Indicator's or their Status

The following table summarizes non-conformances to indicators in the 2016 reporting year, and revisions made to the SFMP for the 2016-17 reporting year (note that indicators in red text refer to those related to regulatory requirements under the FSJPPR).

Indicator		Non Conformance
9	Wildlife Tree Patches	Indicator target not achieved in 2016.
56	Maintenance of Wildlife and Fisheries Habitat Values	Indicator target not achieved in 2016.
63	Worker Training	Indicator target not achieved in 2016.
Indicator		**Significant Revisions,**
9	Wildlife Tree Patches	WTP retention targets were revised in proposed SFMP#3, in April 2017. Monitoring to the revised indicator will begin with the 2018-19 reporting year.

This report was discussed with the Fort St John Pilot Project Public Advisory Group on October 24, 2017.

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

APPENDICES

1. INTRODUCTION AND OVERVIEW

This annual report summarizes activities completed between April 1, 2016 and March 31, 2017 on tenures managed by participants in the Fort St. John Pilot Project. These tenures include BC Timber Sales, FL A18154 and PA 12 held by Canadian Forest Products Ltd, FL A59959 held by Cameron River Logging Ltd., FL A60972, held by Chetwynd Mechanical Pulp Inc., FL A60049 and PA 20 held by Louisiana-Pacific Canada Ltd, FL A85946 held by Louisiana Pacific - Peace Valley OSB and FL A56771 jointly held by Dunne-za Ventures and Canadian Forest Products Ltd.

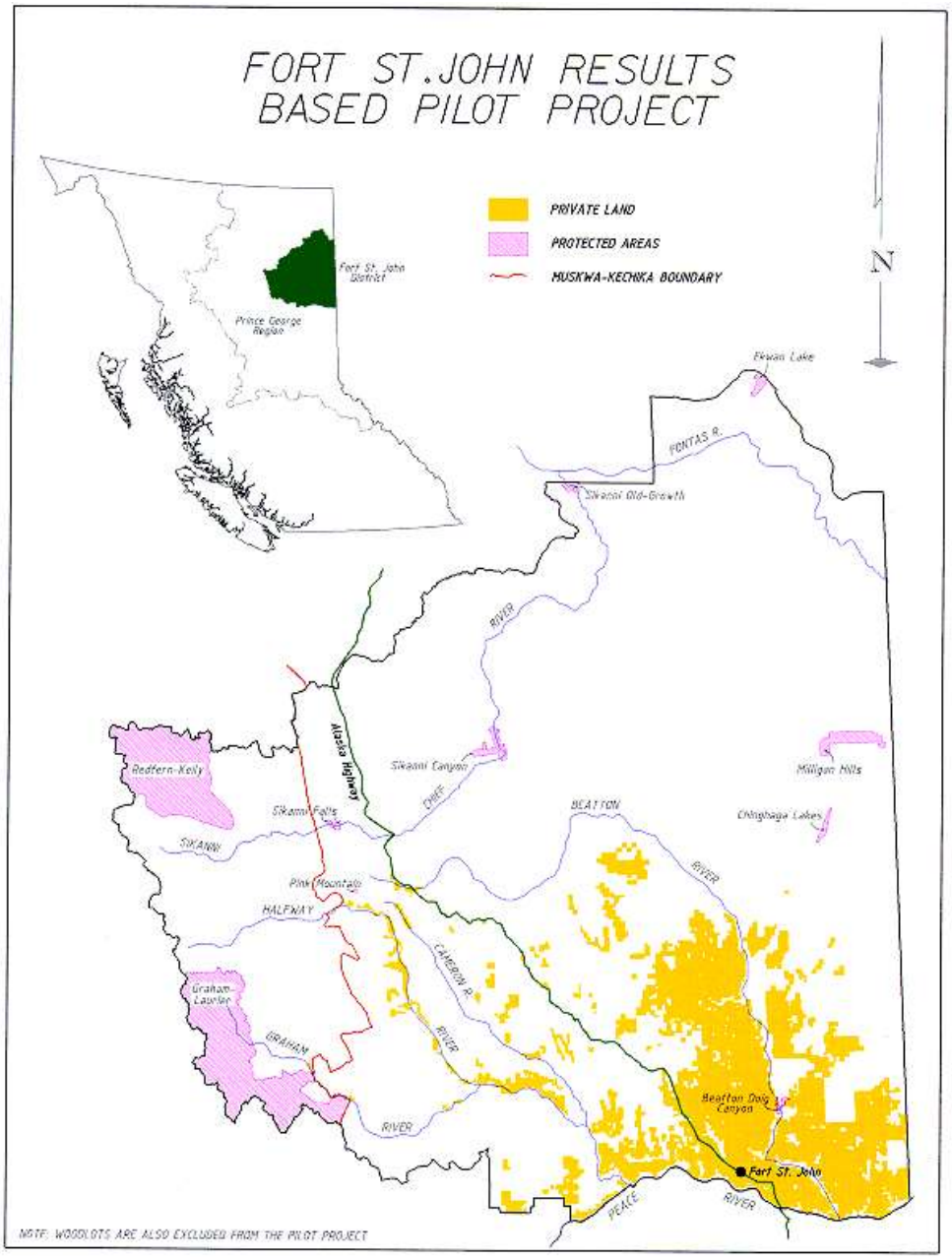

Figure 1: Project Area Map

The Pilot Participants achieved registration under the Canadian Standards Association CAN/CSA Z809-02 Sustainable Forest Management System for the Fort St. John TSA (see Figure 1) forestry operations on October 17, 2003. In partial fulfillment of achieving registration, a public group, the Public Advisory Group (PAG), was formed in 2001 to help identify and select values, objectives, indicators, and targets for sustainable forest management. The original indicators and targets identified by the PAG, along with associated forest management practices to achieve those objectives, were detailed in the Sustainable Forest Management Plan# 1 (SFMP# 1) and revised in SFMP# 2. The participant's registration was most recently renewed on December 3, 2014. The 2016 Annual Report is a summary report on the status of each indicator. The 2016 report includes revisions to the indicators, targets, or the way they are measured, as noted in amendment # 3 to SFMP# 2. Future revisions, if any, to the indicators, targets, or the way they are measured will be captured in subsequent annual reports.

This report is prepared annually, as required by the CSA standard and the *FSJPPR*. In this report, each indicator is reiterated, and a brief status report is provided in Section 3. For additional background information on the indicators and targets, or the implementation and monitoring requirements, the reader should refer to the SFMP and SFMP amendments.

In addition to CSA requirements, this report includes information required by the *FSJPPR* (Section 51) on the participants' access management, harvesting, and reforestation activities (Sections 4 to 7), as well as variances (Section 8), compliances (Section 9), self-approved plan amendments (Section 10), and a statement on progress on Landscape Level Strategies (Section 11). **The section headings and appendices of this report that address the legal requirements of the *FSJPPR* are identified in the table of contents, as well as throughout the report, in red text.**

The following indicators are reported on periodically, typically at the close of an SFMP/FOS management period. For greater clarity, these indicators are analyzed at the time the SFMP is developed and in addition, when a new FOS is developed to ensure that a new FOS is consistent with the SFMP. The condition of these indicators has been reported in the 2016-17 annual report. The indicators referenced are:

- 1 - Forest Types
- 2 - Seral Stages
- 3 - Patch Size
- 8 - Shrubs
- 17 - Representative Examples of Ecosystems
- 34 - Peak Flow Index

Analysis of these indicators, and comparison against the condition present when the SFMP was developed, illustrates both the effect of changing stand dynamics (i.e. forests aging) and the impact of the participants' activities in the DFA. The results presented here will account for the areas amended into the FOS, in response to wildfires, Mountain Pine Beetle, and the harvest needs of the Participants between 2010 and 2017.

These indicators are anticipated to be reported on again in the 2022-23 annual report.

Monitoring procedures as outlined in the SFMP were followed to the best of the participants' abilities. However, full description for all the detailed procedures used in the analyses was not always available due to incomplete documentation and staffing changes. Therefore, the participants had to make some assumptions during analysis that may or may not have been consistent with those done previously. In the participant's estimation, variation resulting from this uncertainty is likely to be quite low, but still possible.

Another source of potential variation likely lays in the private land, lease, and woodlot spatial data used. To complete the analyses for this Annual Report, the participants utilized the most current private land, lease, and woodlot data. The data for these items available to the participants at the time the SFMP was developed was unreliable, and has not been archived. Changes in these data has resulted in a minor reduction in the size of the forested land base managed by the participants.

These issues account for the variation in the forest inventory data presented between the analyses completed when the SFMP was developed and those completed to reflect the current forest condition for the 2009 and this the 2016 annual report.

2. DESCRIPTION OF THE PILOT PROJECT

In June 1999 the BC government added Part 10.1 to the *Forest Practices Code of BC Act* to enable results-based pilot projects. The intent of the pilot projects is to test ways to improve the regulatory framework for forest practices while maintaining the same or higher levels of environmental standards.

Canadian Forest Products Ltd., Slocan Forest Products Ltd., Louisiana-Pacific Canada Ltd., and the Ministry of Forests Small Business Forest Enterprise Program prepared a detailed pilot project proposal that provided the basis for the *Fort St. John Pilot Project Regulation* (FSJPPR). In 2001, the participants established a public advisory group (PAG) comprised of local people representing a variety of interests. The public advisory group reviewed the draft detailed project proposal and draft regulation, reviewed comments from the general public and provided advice to government on the suitability of the project. Cabinet accepted the proposal and a draft regulation late in 2001. The regulation was approved as effective December 1, 2001.

The *Fort St. John Pilot Project Regulation* requires the establishment of a strategic plan for the pilot project area, known as a Sustainable Forest Management (SFM) Plan. The participants prepared the SFMP with the guidance of a local public advisory group and a scientific/technical advisory committee.

The SFMP was approved by the Regional Manager, Northern Interior Forest Region, Ministry of Forests and the Regional Director, Omineca-Peace Region, Ministry of Water, Land and Air Protection, in April 2004. A revised SFMP was prepared and submitted to Government for approval in July 2010. SFMP# 2 has undergone thorough review by the PAG, First Nations, the public and scientific technical advisors and Government. Government on November 1, 2010 approved SFMP # 2.

SFMP# 3, which is based on SFMP# 2 was prepared during 2015 and has undergone thorough review by the PAG, First Nations, the public and scientific technical advisors and Government. SFMP# 3 was submitted to government for approval on May 30, 2016 and revised on April 18, 2017. As of the date of preparation of this the 2016-17 annual report,

the legal content of SFMP# 3 has not yet been approved by the Ministry of Forests, Lands, Natural resource Operattions and Rural Development (MFLNRORD).

3. SFM INDICATORS, OBJECTIVES AND TARGETS

The format of each status report is described below:

X.X INDICATOR

Indicator Statement	Target Statement
A reiteration of the indicator as identified in the landscape level strategy or the SFM matrix.	A specific statement describing a desired future state or condition of an indicator. Targets are succinct, measurable, achievable, realistic, and time bound.
SFM Objective: A description the SFM objectives that this indicator and target relate to.	
Linkage to FSJPPR: If applicable, a brief statement regarding whether this indicator affects performance requirements of the FSJPPR, or if it will be used to evaluate success of the implementation of the landscape level strategy.	

Acceptable Variance:

This provides the acceptable variance from the desired level of the indicator.

CURRENT STATUS AND COMMENTS

This section provides an update on the status of each indicator and objective. The best information available up to and including March 31, 2017 (except where noted) was used for the preparation of this status report.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

When required, this section describes suggested revisions to details (e.g., wording, reporting periods) of the indicator and objective. These revisions will be presented to the PAG for their review.

Status of Indicators in 2016-17

3.1. FOREST TYPES

Indicator Statement	Target Statement
Percent distribution of forest type (deciduous, deciduous mixedwood, conifer mixedwood, conifer) >20 years old by landscape unit	All forest type groups by landscape unit will meet or exceed the minimum area percentage in Table 9.[2]
SFM Objective: Maintain the diversity and pattern of communities and ecosystems within a natural range Ecosystem functions capable of supporting naturally occurring species exist within the range of natural variability	
Linkage to *FSJPPR*: For the purposes of Section 42 of the *FSJPPR* this indicator statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the Forest Health Landscape Level Strategy.	

Acceptable Variance:

There is no acceptable variance for this indicator.

Targets may need to be reviewed following large natural catastrophic events.

CURRENT STATUS AND COMMENTS

This indicator monitors the change in the proportion of forest type groups (> 20 years old), within broad groups based on leading tree species, over time. Stands less than 20 years of age are not included as they typically show significant fluctuations in tree species composition each year due to things such as silviculture practices or rapid natural ingress of species in regenerating stands. Forest type groups are the designation of stand types into one of 4 ecologically significant groups – pure deciduous, deciduous leading mixedwood, conifer leading mixedwood, and pure conifer.

The following table (Table 1) is taken from Forest Operations Schedule #3, and presents the baseline status as of 2017 and the SFMP targets by Forest Type and Landscape Unit. All forty-four Forest Type / Landscape Unit combination targets were found to be above the target minimums, and therefore consistent with the SFMP target.

The participants' activities are consistent with the target for this indicator. The analysis for this indicator will be conducted again when significant amendments to the Forest Operations Schedule are proposed (eg. Significant addition of proposed block area).

[2] Refers to Table 9 in the *Fort St. John Pilot Project Sustainable Forest Management Plan #2*

Table 1:2017 Status for Forest Types

Landscape Unit	Forest Type	2017 current status		Min Target Area
		Area (ha)	% of L.U.	%
Blueberry	Coniferous Leading	156706	41%	33%
	Coniferous Mixed	44109	12%	8%
	Deciduous Leading	125321	33%	28%
	Deciduous Mixed	54135	14%	11%
Blueberry Total		380270		
Crying Girl	Coniferous Leading	54310	93%	76%
	Coniferous Mixed	1818	3%	1%
	Deciduous Leading	915	2%	1%
	Deciduous Mixed	1164	2%	1%
Crying Girl Total		58207		
Graham	Coniferous Leading	217145	95%	77%
	Coniferous Mixed	5227	2%	1%
	Deciduous Leading	3748	2%	1%
	Deciduous Mixed	3416	1%	1%
Graham Total		229536		
Halfway	Coniferous Leading	91975	73%	62%
	Coniferous Mixed	8698	7%	3%
	Deciduous Leading	15426	12%	9%
	Deciduous Mixed	9436	8%	4%
Halfway Total		125535		
Kahntah	Coniferous Leading	95973	40%	29%
	Coniferous Mixed	23186	10%	10%
	Deciduous Leading	86178	36%	30%
	Deciduous Mixed	34257	14%	10%
Kahntah Total		239594		
Kobes	Coniferous Leading	40457	45%	35%
	Coniferous Mixed	10127	11%	8%
	Deciduous Leading	29484	33%	28%
	Deciduous Mixed	9988	11%	9%
Kobes Total		90056		
Lower Beatton	Coniferous Leading	14040	14%	11%
	Coniferous Mixed	6784	7%	5%
	Deciduous Leading	69195	70%	56%
	Deciduous Mixed	8519	9%	7%
Lower Beatton Total		98538		
Milligan	Coniferous Leading	85504	59%	45%
	Coniferous Mixed	9692	7%	6%
	Deciduous Leading	40048	28%	24%
	Deciduous Mixed	9668	7%	5%
Milligan Total		144911		
Sikanni	Coniferous Leading	151088	95%	75%
	Coniferous Mixed	3008	2%	1%
	Deciduous Leading	3001	2%	1%
	Deciduous Mixed	2152	1%	1%
Sikanni Total		159250		
Tommy Lakes	Coniferous Leading	149471	50%	45%
	Coniferous Mixed	29899	10%	8%
	Deciduous Leading	73617	25%	18%
	Deciduous Mixed	44272	15%	9%
Tommy Lakes Total		297258		

Trutch	Coniferous Leading	116855	56%	48%
	Coniferous Mixed	18389	9%	7%
	Deciduous Leading	47023	23%	17%
	Deciduous Mixed	25408	12%	9%
Trutch Total		207674		
Grand Total		2030828		

Reforestation is balanced on the landscape using the mixedwood ledger for the area that is impacted by harvesting which accounts for a small percentage of the landscape unit. Large variances in the forest type areas are due to updated VRI information.

Change Monitoring Inventory (CMI)

Starting in 2003, the Participants have contracted the establishment of Change Monitoring Inventory plots in the Defined Forest Area on harvested or burnt areas. The location of these plots is on a systematic 3km square grid overlaid on the DFA. It is intended to establish plots on predefined points located on the grid, where they fall in managed stands, 15 years after harvest. Over time and subsequent re-measurements, the data from these plots can be used to detect long-term changes in managed stands' species composition. CMI work resumed in 2014, and will include establishment of new plots as well as re-measurement effort of plots established at least 10 years ago.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions planned for this indicator.

3.2. SERAL STAGES

Indicator Statement	Target Statement
The minimum proportion (%) of late seral stage forest by NDU	The minimum proportion (%) of late seral forest by NDU as identified in Table 11[3] will be met.
SFM Objective: Maintain the diversity and pattern of communities and ecosystems within a natural range Ecosystem functions capable of supporting naturally occurring species that exist within the range of natural variability Maintain a natural range of variability in ecosystem function, composition and structure which allows ecosystems to recover from disturbance and stress	
Linkage to *FSJPPR*: For the purposes of Section 42 of the *FSJPPR* this indicator statement, target and acceptable variance will be one of the indicators used to determine if forest practices are consistent with the Patch Size, Seral Stage and Adjacency and Forest Health Management Landscape Level Strategies.	

[3] Refers to Table 11 in the *Fort St. John Pilot Project Sustainable Forest Management Plan #2*

Acceptable Variance:

A 1% variance below the target is permissible provided projections indicate the target can be met within 20 years (eg. Boreal Foothills minimum allowable would be 22%).

CURRENT STATUS AND COMMENTS

The Seral Stages indicator is in place to ensure that a minimum proportion of late seral stage forest will be present across the DFA through time. It sets limits on harvest planning in later seral stage stands, by Natural Disturbance Unit (note, in SFMP#1 the limits pertained to Landscape Units). A landscape-level analysis (based on NDUs) was conducted when FOS #3 was developed. The projection through 2025, which considered all the newly proposed FOS blocks, indicates that the amount of area in late seral stands through 2025 will be above the minimum targets set for all NDUs in the DFA. Therefore the participants are consistent with the target for this indicator.

The following tables (Table 2, Table 3, Table 4) are excerpted from the FOS#3, and present the results of the most recent seral stage analyses. The 'current condition' values account for the harvesting activities that started prior to March 31,2017. For further detail regarding seral stages target development and application, please refer to the *Fort St. John Pilot Project Sustainable Forest Management Plan #2 (section 6.2)* and the *Fort St. John Pilot Project Forest Operations Schedule #3*. *(section 3.3)*.

The analysis for this indicator will be conducted again when significant amendments to the Forest Operations Schedule are proposed (eg. Significant addition of proposed block area).

Table 2: Boreal Plains Conifer Current and 2025 Seral Stage and Target

LU_NAME	< 40 years				41 - 100 years				101 - 140 years				> 140 years						Total Area
	2017		2025		2017		2025		2017		2025		2017			2025			
	area (ha)	%	area (ha)	%	area (ha)	%	area (ha)	%	area (ha)	%	area (ha)	%	area (ha)	%	Surplus (ha)	area (ha)	%	Surplus (ha)	
Blueberry	59410	17%	61911	18%	148573	43%	141809	41%	92814	27%	84738	24%	45741	13%		58080	17%		346538
Crying Girl		0%		0%		0%		0%	3	32%		0%	7	68%		10	100%		10
Halfway	11944	8%	16182	11%	29040	20%	23512	16%	49798	34%	41485	28%	55489	38%		65093	45%		146271
Kahntah	6831	1%	6767	1%	395913	67%	337770	58%	144102	25%	182690	31%	40406	7%		60026	10%		587252
Kobes	14037	17%	15077	18%	10722	13%	10762	13%	37992	46%	31967	39%	19035	23%		23982	29%		81787
Lower Beatton	19202	42%	19398	42%	16023	35%	13656	30%	9049	20%	10621	23%	1953	4%		2554	6%		46227
Milligan	29617	8%	28901	8%	244595	65%	241125	64%	45332	12%	37986	10%	59481	16%		71012	19%		379025
Sikanni		0%		0%		0%		0%	0	100%	0	100%		0%			0%		0
Tommy Lakes	22563	4%	37445	7%	215421	39%	183368	33%	217759	39%	218253	39%	103357	18%		120034	21%		559100
Trutch	2258	1%	6018	2%	126169	36%	107972	31%	131570	38%	131558	38%	87138	25%		101586	29%		347134
Grand Total	165862	7%	191698	8%	1186456	48%	1059972	43%	728419	29%	739297	30%	412607	17%	25187	502376	20%	100747	2493343
											Oil and gas area included:			16%			20%		2518676

Target = 16%

2017 - uses FOS blocks with harvest start date <Mar 31, 2017

2025 - uses FOS blocks with harvest start date >Mar 31, 2017

Table 2 identifies the current and expected 2025 conifer seral condition upon the completion of all harvest activities proposed by FOS# 3 for the Boreal Plains NDU. Upon completion of all conifer harvest activities proposed in FOS# 3 the conifer seral targets are achieved for the Boreal Plains NDU and the analysis indicates a surplus of 100,747 ha of old forest (amount of old forest above the target).

Analysis also considered the cumulative effect of harvesting and oil and gas on the landbase. The calculated area occupied by wellsites and pipelines is 25,333ha, By adding this area (25,333ha) to the harvested area, the Boreal Plains Conifer late seral current condition is 16% and future is 20%.

Table 3: Boreal Plains Deciduous Current and 2025 Seral Stage and Target

	< 40 years				41 - 100 years				> 140 years						Total area
	2017		2025		2017		2025		2017			2025			
LU_NAME	area (ha)	%	area (ha)	%	area (ha)	%	area (ha)	%	area (ha)	%	surplus (ha)	area (ha)	%	surplus (ha)	
Blueberry	17320	9%	26845	14%	101907	55%	93261	50%	67578	36%		66699	36%		186805
Crying Girl		0%		0%	5	100%	3	62%	0	0%		2	38%		5
Halfway	1599	6%	3692	14%	10475	41%	8415	33%	13531	53%		13497	53%		25604
Kahntah	2737	2%	3084	2%	98870	79%	86639	69%	24111	19%		35996	29%		125718
Kobes	3013	8%	7700	19%	10911	27%	7696	19%	26222	65%		24750	62%		40146
Lower Beatton	10618	13%	9990	12%	59051	70%	54504	64%	15189	18%		20364	24%		84858
Milligan	6059	12%	5534	11%	42256	81%	42553	81%	4130	8%		4358	8%		52445
Tommy Lakes	4859	4%	17272	14%	58998	49%	49532	41%	56354	47%		53407	44%		120211
Trutch	612	1%	2186	3%	39857	53%	34940	47%	34045	46%		37388	50%		74514
Grand Total	46817	7%	76303	11%	422329	59%	377543	53%	241160	34%	129287	256460	36%	143652	710306
							Oil and gas area included			34%			36%		718260
										Target = 16%					

2017 - uses FOS blocks with harvest start date <Mar 31, 2017

2025 - uses FOS blocks with harvest start date >Mar 31, 2017

Table 3 identifies the current and expected 2025 deciduous seral condition upon the completion of all harvest activities proposed by FOS# 3 for the Boreal Plains NDU. Upon completion of all deciduous harvest activities proposed in FOS# 3 the deciduous seral targets are achieved for the Boreal Plains NDU and the analysis indicates a surplus of 143,652 ha of old forest (amount of old forest above the target).

Analysis also considered the cumulative effect of harvesting and oil and gas on the landbase. By including oil and gas area in the calculation (7,954ha) the Boreal Plains Deciduous late seral current condition is 34% and future is 36%.

Table 8 identifies the current and expected 2025 seral condition upon the completion of all harvest activities proposed by FOS# 3 for the Boreal Foothills Mountain and Valley, NDUs, the Omineca Mountains and Valley NDUs and the Northern Boreal Mountains NDU. Upon completion of all harvest activities proposed in FOS# 3 the seral targets are achieved for each of these NDUs.

Table 4: Boreal Foothills Valley and Mtn, Northern Boreal Mountains, Omineca Mtns and Valley: Current and 2025 Seral Stage and Targets

NDU Sub-Unit	Landscape Unit	< 40 years				40 - 100 years				101 - 140 years				> 140 years					Target
		2017		2025															
		Area	%	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%	Grand Total	
Boreal Foothills - Mountain	Crying Girl	931	2%	792	2%	4020	10%	3087	7%	19132	46%	16118	38%	17845	43%	21930	52%	41927	
	Graham	1870	2%	1817	2%	10561	13%	6597	8%	41091	49%	35436	42%	30960	37%	40632	48%	84482	
	Halfway	15	0%	15	0%	2069	16%	1764	13%	4471	34%	3335	25%	6636	50%	8077	61%	13192	
	Kobes									8	54%	8	54%	7	46%	7	46%	15	
	NDU Total	2815	2%	2624	2%	16650	12%	11448	8%	64702	46%	54897	39%	55448	40%	70646	51%	139616	33

NDU Sub-Unit	Landscape Unit	< 40 years				40 - 100 years				101 - 140 years				> 140 years					
		2017		2025															
		Area	%	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%	Grand Total	
Boreal Foothills - Valley	Crying Girl	1386	7%	977	5%	2747	13%	2561	12%	9308	45%	8560	41%	7347	35%	8689	42%	20787	
	Graham	218	0%	47	0%	6741	13%	4502	8%	22847	43%	19927	38%	23298	44%	28628	54%	53104	
	Halfway	7	0%	7	0%	211	13%	138	9%	435	28%	349	22%	916	58%	1076	69%	1570	
	Kobes									86	49%	82	47%	89	51%	93	53%	175	
	Grand Total	1611	2%	1032	1%	9699	13%	7201	10%	32675	43%	28918	38%	31650	42%	38486	51%	75636	23

NDU Sub-Unit	Landscape Unit	< 40 years				40 - 100 years				101 - 140 years				> 140 years					
		2017		2025															
		Area	%	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%		
Northern Boreal Mountains	LU_NAME	Young		Young		Mid		Mid		Mature		Mature		Old		Old		Grand Total	
	Graham	245	1%	4	0%	5732	18%	3918	12%	7997	25%	8367	26%	18025	56%	19708	62%	31998	
	Sikanni	822	0%	86	0%	23262	13%	14790	8%	57350	32%	58108	33%	96379	54%	104829	59%	177813	
	Trutch									4	100%	4	100%					4	
	Grand Total	1067	1%	90	0%	28994	14%	18708	9%	65350	31%	66479	32%	114404	55%	124537	59%	209815	37

NDU Sub-Unit	Landscape Unit	< 40 years				40 - 100 years				101 - 140 years				> 140 years					
		2017		2025															
		Area	%	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%		
Omenica Mountains	LU_NAME	Young		Young		Mid		Mid		Mature		Mature		Old		Old		Grand Total	
	Crying Girl					33	18%	33	18%	115	64%	91	51%	32	18%	56	31%	180	
	Graham	290	0%	288	0%	5026	5%	4699	5%	26616	27%	20915	21%	68227	68%	74257	74%	100159	
	Grand Total	290	0%	288	0%	5059	5%	4732	5%	26731	27%	21006	21%	68259	68%	74313	74%	100338	41

NDU Sub-Unit	Landscape Unit	< 40 years				40 - 100 years				101 - 140 years				> 140 years					
		2017		2025															
		Area	%	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%	Area	%		
Omineca Valley	LU_NAME	Young		Young		Mid		Mid		Mature		Mature		Old		Old		Grand Total	
	Crying Girl					0		0		3.9	57%	3.9	57%	2.9	43%	2.9	43%	6.8	
	Graham	141.8	2%	138.3	2%	1146.4	13%	926.2	11%	4392.6	51%	3561.4	42%	2887.8	34%	3942.7	46%	8568.6	
	Grand Total	141.8	2%	138.3	2%	1146.4	13%	926.2	11%	4396.5	51%	3565.3	42%	2890.7	34%	3945.6	46%	8575.4	16

Landscape units are large and in the foothills area can have more than one natural disturbance units due to elevational changes.

The seral analysis assumes that all blocks in FOS# 3 will have been harvested prior to the end of 2025. The seral analysis indicates that all NDU old forest targets are met in 2017 and 2025. Therefore, performance to fdate and projected performance under FOS# 3 is consistent with this indicator.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions planned for this indicator.

3.3. PATCH SIZE

Indicator Statement	Target Statement
Percent area by Patch Size Class (0-50, 51-100, and >100 ha) by NDU	A minimum of 9 of 18 of the baseline targets for early patches will be achieved during the term of this SFMP (Table 16)[4]
SFM Objective: Maintain the diversity and pattern of communities and ecosystems within a natural range Ecosystem functions capable of supporting naturally occurring species that exist within the range of natural variability	
Linkage to *FSJPPR*: For the purposes of Section 42 of the *FSJPPR* this indicator statement, target and acceptable variance will be one of the indicators used to determine if forest practices are consistent with the Patch Size, Seral Stage and Adjacency Strategy.	

Acceptable Variances:

Natural disturbance events that shift the patch size distribution to such a level that it cannot be accommodated in a short (decade) time frame.

Seral spatial distribution does not permit patch size targets in the short term.

Patch size distributions will need to be recalculated as new forest inventory is completed and targets and thresholds assessed to determine if they are still appropriate.

CURRENT STATUS AND COMMENTS

This indicator is set up to monitor the patch size distribution for 'early' (≤40 yrs) forest within the Fort St. John Pilot Project area, on a Natural Disturbance Unit basis (note, in SFMP#1 the limits pertained to Landscape Units). The targets are presented in the following table (5).

[4] Refers to Table 16 in the *Fort St. John Pilot Project Sustainable Forest Management Plan #2*

Table 5: Natural Disturbance Unit Early Patch Distribution Targets

Natural Disturbance Unit	Early (<40 yrs) Patch Size Target (%) (acceptable range)		
	100+ ha	51-100 ha	<50 ha
Boreal Plains Uplands (BPU)	90 (65-90)	5 (5-15)	5 (5-15)
Boreal Foothills Valley (BV)	70 (55-85)	10 (5-15)	20 (15-25)
Boreal Foothills Mountain (BM)	70 (55-85)	10 (5-15)	20 (15-25)
Northern Boreal Mountains (NBM)	90 (65-90)	5 (5-15)	5 (5-15)
Omineca Mountains (OM)	70 (55-85)	10 (5-15)	20 (15-25)
Omineca Valley (OV)	90 (65-90)	5 (5-15)	5 (5-15)

A landscape-level analysis (based on NDUs) was conducted when FOS #3 was developed. Stand ages were projected through 2025, and all the newly proposed FOS blocks were assumed to be harvested by 2025. The results of the analyses are presented in the following table.

Table 6: Early Patch Size Class Current Status & Post FOS Condition

	2017 Current Early (<40 years) Patch Size Distribution						
Natural Disturbance Unit (NDU)	Small (<50ha)		Med. (50-100ha)		Large (>100ha)		Totals
Boreal Foothills - Mountain	463	14%	257	8%	2522	78%	3244
Boreal Foothills - Valley	371	16%	208	9%	1764	75%	2344
Boreal Plains - Upland	20875	7%	22138	8%	248601	85%	291616
Northern Boreal Mountains	187	21%	62	7%	647	72%	898
Omineca - Mountains	44	9%	2	0%	426	90%	473
Omineca - Valley	29	14%		0%	177	86%	206
Total DFA (All NDUs)	21972		22669		254140		
Yellow = Below Target Range	Red = Above Target		Blue = No Harvesting Planned				
	2025 Current Early (<40 years) Patch Size Distribution						
Natural Disturbance Unit (NDU)	Small (<50ha)		Med. (50-100ha)		Large (>100ha)		Totals
Boreal Foothills - Mountain	464	14%	296	9%	2506	77%	3268
Boreal Foothills - Valley	250	12%	374	17%	1549	71%	2173
Boreal Plains - Upland	19757	6%	21351	6%	311756	88%	352865
Northern Boreal Mountains	47	100%		0%		0%	47
Omineca - Mountains	43	9%	2	0%	426	91%	471
Omineca - Valley	26	13%		0%	177	87%	203
Total DFA (All NDUs)	20588		22024		316417		

Table 6 identifies the current patch size condition as well as the expected patch size condition in 2025. This analysis assumes that all blocks proposed in FOS# 3 will be harvested prior to the end of 2025 and that no new natural disturbance will create new young patch areas.

The 2017 current state indicates that 12 of 18 or 66% of NDU patch size combinations achieve the desired patch size distribution. This is an improvement over the FOS#2 projected condition where 8 of 18 or 44% of early patches were projected to meet the target ranges.

When early patches are analyzed based on the FOS condition (all blocks in FOS# 3 harvested by March 31, 2025), 8 of 18 or 44% of early patches meet the target ranges. However it must be noted that the harvesting planned in FOS# 3 is situated almost exclusively within the Boreal Plains Upland and Boreal Foothills Valley NDUs. A very minor amount of harvesting is proposed for the Boreal Foothills Mountain NDU, however the majority of young patch disturbance in this NDU is attributable to wildfire.

Harvesting is proposed by FOS# 3 in only 2 of the of the 10 NDU patch size combinations where the desired patch size distribution is not achieved in 2025. In 8 of these NDU patch size combinations where harvesting is not proposed and the target distribution is not achieved, it is expected that natural disturbance may alter the actual distribution achieved in 2025.

The foregoing indicates that FOS# 3 is consistent with the patch size indicator

The foregoing indicates that the participants are consistent with the patch size indicator.
The analysis for this indicator will be conducted again when significant amendments to the Forest Operations Schedule are proposed (eg. Significant addition of proposed block area).

Target Achieved	
✓ **Yes**	**No**

REVISIONS
There are no revisions proposed to this indicator.

3.4. SOIL DISTURBANCE[5]

Indicator Statement	Target Statement
Number of blocks with non-conformances to soil disturbance limits reported annually by Managing Participant	Zero blocks will have non-conformances to soil disturbance limits.
SFM Objective: Protect soil resources to maintain productive forests.	
Linkage to *FSJPPR*: For the purposes of Section 42 of the *FSJPPR* this indicator statement, target and acceptable variance will be one of the indicators used to determine if forest practices are consistent with the Soil Management Strategy.	

Acceptable Variance:
None

CURRENT STATUS AND COMMENTS
There were no incidents of detrimental soil disturbance reported by the Licensee participants during the 2016-2017 reporting period.

BCTS had no incidents of detrimental soil disturbance reported during the 2016-2017 reporting period.

The participants' activities are consistent with the target and acceptable variance for the soil disturbance indicator.

[5] New indicator in 2010 SFMP. Previous SFMP #1 indicator 6.4 was Shape Index, which has been deleted.

Target Achieved	
✓ **Yes**	**No**

REVISIONS
No revisions anticipated at this time.

3.5. SNAGS/CAVITY SITES

Indicator Statement	Target Statement
Number of snags and/or live trees (>23 cm dbh) per ha on prescribed areas	Retain annually an average of at least 6 snags and/or live trees (>23 cm dbh) per hectare on prescribed areas
SFM Objective: Suitable habitat elements for indicator species Maintain a natural range of variability in ecosystem function, composition, and structure which allows ecosystems to recover from disturbance and stress	
Linkage to FSJPPR: N/A	

Acceptable Variance:
Prescribed areas within blocks on which the SLP's were completed prior to April 1st 2010 will have a target of 6 snags and/or live trees greater than 17.5 cm dbh, consistent with the SFMP in effect at that time.

CURRENT STATUS AND COMMENTS

During the reporting period, 56 blocks had harvesting completed by the licensee participants.

Of these, 52 blocks had at least some area prescribed for snags or live tree retention. The retention level of snags and/or live tree residuals was measured on the 52 blocks.

Data for the blocks included in this report were collected during the harvesting phase and as part of final harvest inspections conducted during the reporting period.

The total prescribed area surveyed by licensee participants was 4,038 ha, with 27,710 snags and/or live tree residuals retained. The actual retention level of snags or live trees in the blocks averaged 6.9 stems/ha.

During the reporting period, BCTS completed harvesting on a total of 19 blocks. Of these, eight blocks had at least some area prescribed for snags or live tree retention. Data was collected from these eight blocks post-harvest. BCTS had a total of 5000 stub trees out of a total area of 1214.5 hectares. The area for all 19 blocks total 739.8 hectares. The retention level of snags or live trees in the blocks sampled averaged 6.7 stems/ha.

The participants have met the target for this indicator. The combined snag retention by both participants is 6.8 stems/ha. The following chart (Figure 2) is included to display the participants' performance relative to the targets for this indicator over the last ten reporting periods.

Figure 3 shows an example of a 'stub' tree created during harvesting operations, and residual live aspen. 'Stubs' are often created to act as surrogates for snags in managed stands to provide future vertical forest structure while managing forest worker safety, and make up the majority of vertical habitat elements tracked for this indicator

.

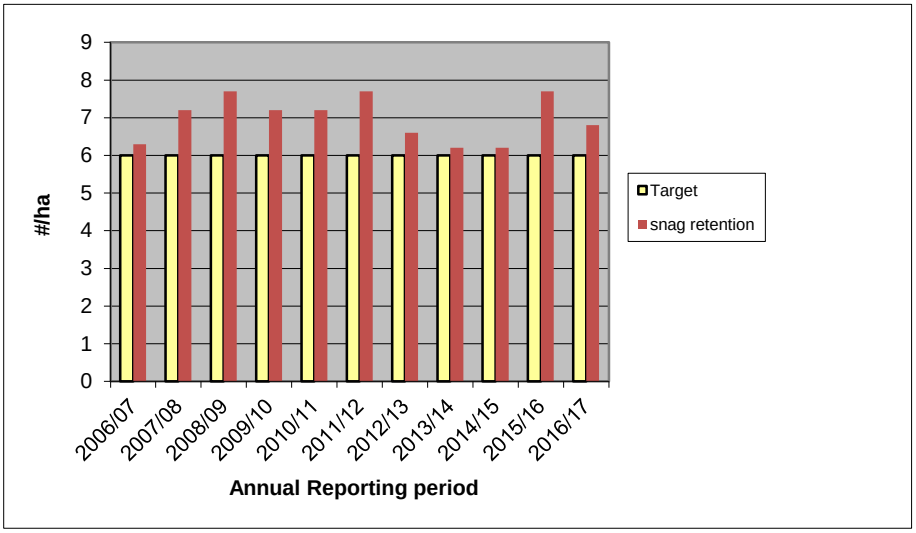

Figure 2. Ten year results for Snag/Cavity site indicator (2006-2017)

Figure 3: Example of 'stub' tree – block 117/005.

Figure 3 identifies a cavity in aspen stub colonized by Northern Flickers. Note live residual aspen in background, 15 years after block harvesting.

Target Achieved	
✓ Yes	No

REVISIONS

There are no revisions planned for this indicator.

3.6. COARSE WOODY DEBRIS VOLUME

Indicator Statement	Target Statement
Average retention level of Coarse Woody Debris volume/ (m^3/ha) on blocks logged in the DFA between December 1, 2008 and November 30, 2016	Average retention level over the DFA will be at least 46 m^3/ha (50% of average pre-harvest volume) on harvested blocks assessed between December 1, 2008 and November 30, 2016
SFM Objective: Maintain a natural range of variability in ecosystem function, composition and structure which allows ecosystems to recover from disturbance and stress Suitable habitat elements for indicator species	
Linkage to *FSJPPR*: For the purposes of Section 29(2) of the *FSJPPR* the applicable performance standard is specified by this indicator statement, target statement and acceptable variance. For the purposes of Section 42 of the *FSJPPR* this indicator statement, target and acceptable variance will be one of the indicators used to determine if forest practices are consistent with the Patch Size, Seral Stage and Adjacency Landscape Level Strategy	

Acceptable Variance:

CWD plots will not be assessed for the purposes of this indicator if they fall in blocks where management of non-timber resource values was identified as an overriding priority that was not compatible with CWD retention (e.g. community pastures, etc).

CURRENT STATUS AND COMMENTS

For the purposes of this indicator, coarse woody debris is measured along two 24m transects originating at predetermined points in harvested areas, following established provincial procedures. Figure 4 is included to provide an example of one such transect.

12 CWD plots were completed in September of 2016. Post-harvest CWD levels from these samples averaged 115m^3/ha. There are 11 coarse woody debris plots scheduled for completion on blocks harvested in the current reporting period (2017.)

The participants exceeded the minimum target for this indicator for the period of April 2016-March 2017 and the average retention targets for the period Dec 1, 2008-Nov 30, 2016 calculated from available plot information is 145.5m3/ha.

Figure 4: Example of a coarse woody debris measurement transect (Block 01056)

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions proposed for this indicator.

3.7. RIPARIAN RESERVES

Indicator Statement	Target Statement
The number of non-compliances to riparian reserve zone standards	No non-compliances to riparian reserve zone standards
SFM Objective: Suitable habitat elements for indicator species Maintenance of water quality	
Linkage to FSJPPR: For the purposes of Section 42 of the *FSJPPR* this indicator statement, target and acceptable variance will be one of the indicators used to determine if forest practices are consistent with the Riparian Management Landscape Level Strategy.	

For the purposes of Section 35(5), Section 28(1) (b)(i)(A) of the *FSJPPR* may be effected by the application of this Riparian Management Landscape Level Strategy, specifically the acceptable variance for this indicator.

Acceptable Variance:

No variances, unless authorized by the district manager.

CURRENT STATUS AND COMMENTS

A review of BCTS Compliance issues from April 1, 2016 to March 31, 2017 indicated that BCTS had no non-compliances to riparian reserve zone standards. BCTS achieved the target for this indicator.

A review of licensee participants' compliance issues occurring between April 1, 2016 and March 31, 2017 indicated no non-compliances to riparian reserve zone standards. The licensee participants achieved the target for this indicator.

The participants' activities are consistent with the target and acceptable variance for the indicator.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no proposed revisions to this indicator or the target.

3.8. SHRUBS

Indicator Statement	Target Statement
The proportion of shrub habitat (%) by Landscape Unit	Each landscape unit will meet or exceed the baseline target (%) proportion of shrub habitat
SFM Objective: Suitable habitat elements for indicator species	
Linkage to FSJPPR: N/A	

Acceptable Variance:

Acceptable variance is ± 20% of the baseline target.

CURRENT STATUS AND COMMENTS

This indicator is monitored at each new SFMP, using the most up to date vegetation resource inventory data. The following table (table 7) shows the shrub condition projected through 2025, accounting for harvesting of all blocks presented in the FOS#3. The "2017 Shrub Area" includes shrub-type inventory polygons plus harvested areas <20yrs old.

Targets were established for this indicator by reviewing the amount of naturally occurring shrub areas by landscape unit, as well as forested areas less than 20 years old. Landscape units with low levels of naturally occurring shrubs generally have lower targets than areas with higher levels of shrubs. The targets reflect the same proportionate change as in the 2004 SFMP.

Table 7: Shrub Habitat Current, FOS Condition and Targets

LANDSCAPE UNIT	LU Net Area (ha)	2017 Shrub Area (ha)	2017 Shrub Area % of LU	Future Shrub Area (ha)	Future Shrub Area % of LU	Baseline Target
Blueberry	588,013	123,191	21%	95,089	16%	8%
Crying Girl	67,180	7,338	11%	4,349	6%	8%
Graham	334,884	58,170	17%	57,973	17%	15%
Halfway	196,226	28,996	15%	25,803	13%	6%
Kahntah	749,236	185,981	25%	184,568	25%	21%
Kobes	136,697	27,328	20%	23,475	17%	8%
Lower Beatton	154,954	20,622	13%	16,666	11%	7%
Milligan	454,005	75,996	17%	74,999	17%	13%
Sikanni	312,129	38,257	12%	38,257	12%	6%
Tommy Lakes	705,760	88,772	13%	77,247	11%	8%
Trutch	436,582	33,042	8%	31,860	7%	6%
Grand Total	**4,135,665**	**687,693**		**630,286**		

The future analysis of Change Monitoring Inventory (CMI) plots – after remearsurement - will permit comparisons of shrub composition and abundance over time. The total number of CMI plots established in the Pilot Project area to date is 104.

The participants are consistent with the target for this indicator.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions planned for this indicator.

3.9. WILDLIFE TREE PATCHES

Indicator Statement	Target Statement
Cumulative Wildlife Tree Patch percentage in blocks harvested under the *FSJPPR* in each Landscape Unit	Cumulative Wildlife Tree Patch % will meet or exceed the minimum target in each LU[6] Landscape Unit — WTP % Blueberry 6% Halfway 3% Kahntah 7% Kobes 5% Lower Beatton 8% Milligan 6% Tommy Lakes 3% Trutch 5% Sikanni 4% Graham 4% Crying Girl 6%
SFM Objectives: Suitable habitat elements for indicator species. Maintain a natural range of variability in ecosystem function, composition, and structure which allows ecosystems to recover from disturbance and stress.	
Linkage to FSJPPR: For the purposes of 29(1) of the *FSJPPR* the applicable performance standard is specified by this indicator statement, target statement and acceptable variance. For the purposes of Section 42 of the *FSJPPR* this indicator statement, target and acceptable variance will be one of the indicators used to determine if forest practices are consistent with the Patch Size, Seral Stage and Adjacency Landscape Level Strategy	

Acceptable Variance:

Aggregate WTP percentages will only apply if 200 hectares or more has been harvested under the *FSJPPR* in a landscape unit.

CURRENT STATUS AND COMMENTS

The following table indicates the amount of harvest area and proportion of Wildlife Tree Patches by each Landscape Unit where the harvest start date is between November 15, 2001 and March 31, 2017.

[6] Targets as per 2004-2005 Annual Report revisions

Table 8: Harvest Area and Proportion of WTPs by Landscape Unit (2001-2017)

LU	Gross Block Area (ha)	WTP Area (ha)	WTP %	Target %
Blueberry	50,145.2	3,239.9	6.5%	6
Halfway	3,584.1	311.8	8.7%	3
Kahntah	1,280.4	118.0	9.2%	7
Kobes	9,963.2	713.2	7.2%	5
Lower Beatton	6,516.3	464.9	**7.1%**	**8**
Milligan	325.6	39.9	12.3%	6
Tommy Lakes	9,523.2	705.8	7.4%	3
Trutch	887.2	61.6	6.9%	5
Sikanni	0.0	0.0	n/a	4
Graham	234.2	31.9	13.6%	4
Crying Girl	1,718.4	143.3	8.3%	6
Grand Total:	**84,177.8**	**5,830.3**	**6.9%**	

No harvesting has taken place in the Sikanni LU since November 15, 2001.

The participants have met the target minimum WTP % for all Landscape Units where logging has occurred except in the Lower Beatton. Salvage logging of burnt timber occured in the Lower Beatton LU during the reporting period. Limited habitat elements were present in these blocks due to the severity of the burn and a focus on maximizing salvage opportunities, resulted in less WTP area retained in this LU. Minimizing overhead hazards in the burn salvage blocks was a safety consideration that also resulted in less WTP area retained.

Target Achieved	
Yes	✓ **No**

REVISIONS

A revision to the target retention levels is noted in SFMP#3 and will be implemented in the 2018-19 reporting year.

3.10. NOXIOUS WEED CONTENT AND INVASIVE PLANT CONTENT

Indicator Statement	Target Statement
The % prohibited and primary noxious weeds, and known invasive weed species of concern, in seed mix analyses	Seed mix analyses will have 0% content of prohibited and primary noxious weeds, and known invasive weed species of concern, as identified in the most current publication of "Listing of Invasive Plants" available from the Peace River Regional District
SFM Objective: Suitable habitat elements for indicator species	
Linkage to FSJPPR: For the purposes of Section 42 of the *FSJPPR* this indicator statement,	

target statement and acceptable variance will be used to determine if forest practices are consistent with the Range Management Landscape Level Strategy

Acceptable Variance:

The primary objective of seeding is to control erosion to protect water resources, with a secondary objective to discourage the establishment of invasive weeds. In some isolated instances suitable seed mixes having appropriate government approved analysis may not be available in a timely manner. If seeding must urgently be done to control erosion, it may, in rare instances, be necessary to proceed without assurances of the seed source being free of noxious weeds. A maximum of one exception annually will be allowable to provide for this eventuality. In the event of an exception, the participant will subsequently inspect the seeded areas to assess weed concerns, and will develop and document appropriate action plans to eliminate prohibited and primary noxious weeds, in consultation with the appropriate government agencies.

CURRENT STATUS AND COMMENTS

For all broadcast seeding on road reclamation areas completed by the licensee participants during the reporting period, the review of seed tags and seed analysis certificates verified that our seed mix has a 0% content of prohibited and primary noxious weeds, and known invasive weed species of concern, as identified in the Sustainable Forest Management Plan.

For all broadcast seeding on road reclamation areas completed by BCTS licensees during the April 1, 2016 – March 31, 2017 reporting period the review of seed tags and seed analysis certificates verified 0% content of prohibited and primary noxious weeds, and known invasive weed species of concern, as identified in the Sustainable Forest Management Plan.

The participants are in conformance to the target for this indicator.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no proposed revisions to the indicator or target statements.

3.11. SPECIES AT RISK STAND LEVEL MANAGEMENT GUIDELINES

Indicator Statement	Target Statement
The percentage of SLP's prepared annually for 'effected' cutblocks that incorporate one or more stand level species at risk management guidelines	100% of SLP's prepared annually for effected cutblocks will incorporate one or more stand level species at risk management guidelines
SFM Objective: Maintain habitats for species at risk	
Linkage to FSJPPR: N/A	

Acceptable Variance:

A 15% variance below the target will be acceptable. (i.e. 85% or more of SLP's in effected cutblocks must have one or more SLMG applied). The variance from 100% to 85% of effected SLPs would only be invoked in situations where forest health, worker or public safety, or

operational concerns make implementation of the stand level management guidelines impracticable. In these situations a rationale detailing the reasons for not implementing stand level management guidelines will be included in the effected SLPs.

CURRENT STATUS AND COMMENTS

Between April 1, 2016 and March 31, 2017, 30 Site Level Plans (SLP's) were prepared by Canfor in cutblocks where Stand Level Management Guidelines for species and sites of management concern were required to be specified. One or more guidelines were applied in all 30 of these plans.

During the reporting period of April 1, 2016 and March 31, 2017, BCTS completed the development of Site Level Plans on 86 blocks where Stand Level Management Guidelines for species and sites of management concern were required to be specified. One or more guidelines were applied in all 86 of these Plans.

100 % of all Site Level Plans where Stand Level Management Guidelines were required incorporated at least 1 Guideline; therefore the participants achieved the target for this indicator.

Figure 5: Typical habitat favoured by Connecticut Warbler (*Oporornis agilis*) in the Peace River region

(photo by A.Tyrrell)

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions planned for this indicator.

3.12. FOREST WORKERS' SAFETY[7]

Indicator Statement	Target Statement
Implementation and maintenance of certified safety program	Each managing Participant will implement and maintain a certified safety program
SFM Objectives: Provide a safe work environment for DFA forestry workers and the public	
Linkage to FSJPPR: N/A	

Acceptable Variance:
None

CURRENT STATUS AND COMMENTS
Currently the Managing Participants (B.C.T.S and Canfor) are certified to the B.C. Forest Safety Council S.A.F.E. Companies Standard. Surveilance audits are completed at regular intervals to ensure the managing participants safety programs continue to meet the S.A.F.E. Companies safety criteria, and to identify where there may be opportunities for improving the safety programs.

The Managing Participants each maintained their individual certifications to the B.C. Forest Safety Council S.A.F.E. Companies Standard during the 2016-17 reporting year.

The participants have achieved the target for this indicator.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

No revisions are anticipated at this time.

[7] New indicator in SFMP #2. Indicator # 12 (Caribou) in previous SFMP #1 deleted due to impending implementation of WHA and UWR areas for boreal caribou.

3.13. SEED USE[8]

Indicator Statement	Target Statement
The percentage of seedlings & vegetative material used and planted in accordance with the Chief Forester's Standards for Seed Use (Nov.20, 2004), as amended from time to time.[9]	100% of seedlings and vegetative material will be used and planted in accordance with the Chief Forester's Standards for Seed Use (Nov.20, 2004), as amended from time to time.
SFM Objectives: Conserve genetic diversity of tree stock Suitable habitat elements for indicator species	
Linkage to *FSJPPR*: For the purposes of Section 42 of the *FSJPPR* this indicator statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the Reforestation Landscape Level Strategy. For the purposes of Section 35(5) the indicator this indicator statement, target statement and acceptable variance will replace the requirements of Schedule F Section 99 (Seed Use).	

Acceptable Variance:

As per Section 8 Transfer Limits in the Chief Forester's Standards for Seed Use, no less than 95% of the combined total of the number of seedlings and vegetative material planted during each fiscal year within the DFA will comply with the transfer requirements of section 8.2 through 8.7, of those standards. As the standards are amended from time to time, the allowable variance will change consistent with any amendments.

CURRENT STATUS AND COMMENTS

BCTS

1,500,013 seedlings were planted within the reporting period. All seedlings were planted in accordance with the standard.

Licensee Participants (Canfor, Chetwynd Mechanical Pulp, CRL, Dunne-za, Louisiana-Pacific)

3,663,105 seedlings were planted within the reporting period, with 3,535,520 seedlings were planted in accordance with the standard for a total of 96.52%.

Combined

The total number of seedlins planted was 5,163,118. 5,035,533 were planted in accordance with the standard (97.5%)

Target Achieved	
✓ **Yes**	**No**

REVISIONS

No revisions are anticipated at this time.

[8] Previously named "Conifer Seed". Changed due to wider applicability of Standard to deciduous as well.
[9] Revisions to this indicator initially made in 2005/2006 Annual Report

3.14. ASPEN REGENERATION

Indicator Statement	Target Statement
% Natural Regeneration of aspen	100% natural regeneration for deciduous.
SFM Objectives: Conserve genetic diversity of tree stock	
Linkage to FSJPPR: N/A	

Acceptable Variance:

A maximum of 10% of the area prescribed for deciduous regeneration may be restocked with deciduous vegetative propagules or seedlings (e.g. 90% minimum natural regeneration of deciduous) in accordance with the Chief Foresters Standards for Seed Use, as amended from time to time. In such cases, records must be kept of vegetative lots used and locations where vegetative lots are planted.

CURRENT STATUS AND COMMENTS

All Participants have relied on 100% natural regeneration for aspen stocking in the 2016-2017 reporting period.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

No revisions are anticipated at this time.

3.15. CLASS A PARKS, ECOLOGICAL RESERVES AND LRMP DESIGNATED PROTECTED AREAS

Indicator Statement	Target Statement
Hectares of Forestry Related Harvesting or Road Construction within Class A parks, protected areas, ecological reserves and LRMP designated protected areas	Zero hectares of forestry related harvesting or road construction within Class A parks, protected areas, ecological reserves or LRMP designated protected areas
SFM Objective: To have representative areas of naturally occurring and important ecosystems, and rare physical environments protected at both the broad and site specific levels across or adjacent to the DFA	
Linkage to FSJPPR: N/A	

Acceptable Variance:

No variance, other than government direction requiring the forest industry to conduct operations in these areas.

CURRENT STATUS AND COMMENTS

No forestry related harvesting or road construction has occurred, nor was any harvesting planned in FOS#2, in Class A Parks, Ecological Reserves and LRMP Designated Protected Areas. The participants have achieved the target for this indicator.

Digital boundaries of all known protected areas were used in the development of the Forest Operations Schedule #2 and to ensure proposed blocks or roads did not fall within any of the protected areas.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions planned for this indicator.

3.16. UNGULATE WINTER RANGES, WILDLIFE HABITAT AREAS AND MKMA

Indicator Statement	Target Statement
Proportion of activities consistent with objectives of the Muskwa-Kechika Management Area (MKMA) and general wildlife measures for Ungulate Winter Ranges (UWR) and Wildlife Habitat Areas (WHA)	All pilot Participant activities will be consistent with the objectives of the MKMA and the general wildlife measures for Ungulate Winter Ranges and Wildlife Habitat Areaso
SFM Objective: To have representative areas of naturally occurring and important ecosystems, and rare physical environments protected at both the broad and site specific levels across or adjacent to the DFA	
Linkage to FSJPPR: N/A	

Acceptable Variance:

No variances unless authorized by the MOE.

CURRENT STATUS AND COMMENTS

There are currently 45 approved Wildlife Habitat Area's (WHA's), and 2 Ungulate Winter Ranges (UWR) wholly or partially within the Peace Forest District. General Wildlife Measures – the legal management regimes that dictate operational practices in these areas – have been developed and enacted by government. The participants will follow the General Wildlife Measures for each specific area when operations are proposed within these areas. For the reporting period, there were no activities conducted within approved WHAs or UWRs.

The WHA's and UWR areas for Caribou (Boreal ecotype) in the north and eastern portions of the Timber Supply Area will be revised by the provincial government. The participants are honouring the boreal caribou WHA and UWR areas by applying the General Wildlife Measures in the UWRs and avoiding operational activities in the WHAs.

The Government of Canada (Canadian Wildlife Service) is coordinating a national recovery program for the boreal caribou, but it is not yet known what implications that holds for operations within the DFA, beyond the impacts of the provincial set-asides (WHA and UWR designations).

The following table summarizes harvest activities within grand parented blocks within the Muskwa-Kechika Management Area (MKMA) up to March 31, 2017.

Table 9: Harvest Activities in the MKMA

Licensee	Licence	Timber Mark	Block ID	Gross Area	Merch Area	Harvest Start Date	Harvest Completion Date	System
CANFOR	A18154	EK8335	20007	57.6	52.0	1/19/2005	2/14/2006	CCRES
CANFOR	A18154	EK8335	20008	101.4	88.7	1/19/2005	3/31/2006	CCRES
CANFOR	A18154	EK8335	20060	75.1	68.5	1/5/2005	3/4/2005	CCRES
Total				**234.1**	**209.2**			

The total cumulative area logged to date within blocks in the MKMA is 209.2 ha. All harvesting operations within the MKMA have been consistent with previously approved Forest Development Plans, as well as provisions within the MKMA Act that 'grandparent' previously approved blocks.

Harvesting within the MKMA that is proposed within the Forest Operations Schedule #2 (i.e., to 2016) is currently limited to previously 'grandparented' blocks within the MKMA, and is therefore consistent with the objectives of the MKMA. There were no activities completed within the MKMA during this reporting period.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no proposed revisions to this indicator or target.

3.17. REPRESENTATIVE EXAMPLES OF ECOSYSTEMS

Indicator Statement	Target Statement
Percentage of area of forest stands in an unmanaged condition, by leading species, by NDU	100% of baseline targets for forested stands in an unmanaged condition, by leading species, by NDU will be met
SFM Objective: To have representative areas of naturally occurring and important ecosystems, and rare physical environments protected at both the broad and site-specific levels across or adjacent to the DFA	
Linkage to FSJPPR: N/A	

Acceptable Variance:

10 ha or 10% of area, whichever is greater for Leading Species by NDU that have an uncommon distribution (as noted in Table 21 of SFMP# 2) if required for access purposes.

No acceptable variance for Leading Species by NDU that are not identified as uncommon in Table 21 of SFMP# 2.

CURRENT STATUS AND COMMENTS

An assessment of the future condition of this indicator was completed to confirm consistency of FOS# 3 with SFMP #2. The targets specified in SFMP# 1 for proportion of area in forest stands by leading species in an unmanaged condition were carried over to SFMP# 2 without any revision. The assessment of future condition for this indicator is presented in the table below (table 10) and indicates the future status of forest stands by leading species and NDU for the Non-Timber Harvesting Land Base (NHLB). This reflects the stand types that will exist in an unmanaged state. FOS blocks have been identified within the portion of the land base that is considered as the timber harvesting land base.
Where harvesting is proposed, the SFMP requires an assessment of those NDU species combinations considered unique, highlighted in yellow in the following table, to ensure that targets are not compromised.

A re-analysis of this indicator is required after each Timber Supply Review (TSR) is completed. Data collection for the next TSR for the DFA commenced in the summer of 2013. It is estimated that the Fort St. John TSR will not be completed until late 2017. If a significant amount of block area is added to the Forest Operations Schedule, through an amendment prior to the completion of the TSR, the analysis for this indicator will be redone to ensure ongoing conformance. The above would likely not be necessary for the Boreal Plains NDU due to the amount of area already in the NHLB.

Table 15 indicates the current status of forest stands by leading species and NDU for the Non-Timber Harvesting Land Base (NHLB). This reflects the stand types that exist in an unmanaged state. FOS blocks have been identified within the portion of the landbase that is considered as the timber harvesting landbase.

Where harvesting is proposed, the SFMP requires an assessment of those NDU species combinations highlighted in yellow in the following table to ensure that targets are not compromised by the harvesting.

Table 10: Proportion of Leading Species by NDU Unmanaged Current State

Natural Disturbance Unit	Sub NDU	Leading Species	Total Forested Area	Unmanaged Forests		
				Non-THLB	% Non-THLB	Baseline Target %
Boreal Plains Upland		AC	24921	15946	64%	12%
		AT	564457	294148	52%	12%
		BL	2154	1774	82%	12%
		EP	62327	51552	83%	12%
		LT	42067	41077	98%	12%
		PL	428736	229106	53%	12%

		SB	1344989	1216928	90%	12%
		SW	251908	150734	60%	12%
		SX	136623	55832	41%	12%
Boreal Plains Upland Total			2858182	2057096	72%	
Boreal Foothills	Mountain	AC	104	93	90%	100%
		AT	2974	2431	82%	12%
		BL	14016	13422	96%	12%
		EP	30	26	86%	100%
		PL	20627	8933	43%	12%
		SB	1005	630	63%	12%
		SW	109942	73865	67%	12%
		SX	88	54	61%	12%
	Mountain Total		148785	99452	67%	
	Valley	AC	151	101	67%	80%
		AT	2837	2062	73%	12%
		BL	13	7	53%	0%
		EP	2	0	0%	100%
		PL	9766	3897	40%	12%
		SB	1699	1216	72%	12%
		SW	19930	9687	49%	12%
		SX	31	17	53%	12%
	Valley Total		34429	16985	49%	
Northern Boreal Mountains		AC	203	175	86%	70%
		AT	6893	5992	87%	12%
		BL	11888	10801	91%	12%
		PL	20005	13290	66%	12%
		SB	2914	2431	83%	12%
		SW	18688	15095	81%	12%
		SX	121095	102284	84%	12%
Northern Boreal Mountains Total			181687	150068	83%	
Omineca	Mountain	AC	2	2	100%	100%
		AT	528	469	89%	50%
		BL	17897	17513	98%	12%
		PL	5239	3501	67%	12%
		SB	271	236	87%	100%
		SW	61294	54155	88%	12%
	Mountains Total		85230	75876	89%	
	Valley	AC	32	30	95%	100%
		AT	598	533	89%	50%
		BL	11	11	100%	100%
		PL	2700	1784	66%	12%
		SB	351	307	88%	12%
		SW	6873	5165	75%	12%
	Valley Total		10565	7831	74%	
Grand Total			3,318,877	2,407,309	73%	

The majority of future proposed harvesting under FOS #3 is planned to occur in the Boreal Plains NDU. The analysis completed reports on the condition expected as of March 31, 2025 and assumes that all blocks presented in the FOS #3 will be harvested by that date. The results show that the majority of the baseline targets for retention of a representative sample of forest

stands in an unmanaged condition are achieved in the NHLB. Several of the species / NDU combinations do not have sufficient area within the NHLB to meet the target. However in none of the cases is there any area identified for harvesting, and therefore a 'managed' designation does not apply.

Table 11: Proportion of Leading Species by NDU Unmanaged Future State

Natural Disturbance Unit	Sub NDU	Leading Species	Total Forested Area	Unmanaged Forests		
				Future Non THLB	Future % THLB	Baseline Target %
Boreal Plains Upland		AC	24921	15,946	64%	12%
		AT	564457	294,147	52%	12%
		BL	2154	1,774	82%	12%
		EP	62327	51,552	83%	12%
		LT	42067	41,077	98%	12%
		PL	428736	229,095	53%	12%
		SB	1344989	1,216,916	90%	12%
		SW	251908	150,731	60%	12%
		SX	136623	55,831	41%	12%
Boreal Plains Upland Total			2858182	2,057,069	72%	
Boreal Foothills	Mountain	AC	104	93	90%	100%
		AT	2974	2,431	82%	12%
		BL	14016	13,422	96%	12%
		EP	30	26	86%	100%
		PL	20627	8,933	43%	12%
		SB	1005	630	63%	12%
		SW	109942	73,865	67%	12%
		SX	88	54	61%	12%
	Mountain Total		148785	99,452	67%	
	Valley	AC	151	101	67%	80%
		AT	2837	2,062	73%	12%
		BL	13	7	53%	0%
		EP	2	0	2%	100%
		PL	9766	3,897	40%	12%
		SB	1699	1,216	72%	12%
		SW	19930	9,687	49%	12%
		SX	31	17	53%	12%
	Valley Total		34429	16,985	49%	
Northern Boreal Mountains		AC	203	175	86%	70%
		AT	6893	5,992	87%	12%

		BL	11888	10,801	91%	12%
		PL	20005	13,290	66%	12%
		SB	2914	2,431	83%	12%
		SW	18688	15,095	81%	12%
		SX	121095	102,284	84%	12%
Northern Boreal Mountains Total			181687	150,068	83%	
Omineca	Mountain	AC	2	2	100%	100%
		AT	528	469	89%	50%
		BL	17897	17,513	98%	12%
		PL	5239	3,501	67%	12%
		SB	271	236	87%	12%
		SW	61294	54,155	88%	100%
	Mountains Total		85230	75,876	89%	
	Valley	AC	32	30	95%	100%
		AT	598	533	89%	50%
		BL	11	11	100%	100%
		PL	2700	1784	66%	12%
		SB	351	307	88%	12%
		SW	6873	5,165	75%	12%
	Valley Total		10565	7,831	74%	
Grand Total			3,318,877	2,407,281	72%	

The table indicates that 100% of the baseline targets for retention of a representative sample of forest stands in an unmanaged condition is achieved for all NDUs, including the 'uncommon' associations, either through the identified NHLB area or through avoidance of harvest planning. FOS # 3 does not compromise the performance to the baseline targets, and therefore FOS# 3 is consistent with this indicator.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

Revision to this indicator is planned following the replacement of SFMP # 2 and the development of FOS #3.

3.18. GRAHAM HARVEST TIMING

Indicator Statement	Target Statement
The number of clusters in the Graham IRM Plan area where active operational harvesting is concurrently occurring.	Operational harvesting within the Graham IRM Plan area will be constrained to no more than one 'cluster' of cutblocks at any one time.
SFM Objective: Provide opportunities for a feasible mix of timber, recreational activities and non-timber commercial activities Management strategies address important values in SMZ areas.	
Linkage to FSJPPR: For the purposes of Section 42 of the *FSJPPR* this indicator statement, target statement and acceptable variance will be used to determine if forest practices are	

consistent with the Timber Harvesting Landscape Level Strategy.

Acceptable Variance:

Operational harvesting (i.e. falling and/or skidding of timber, *excluding predevelopment of road right of ways*) in more than one cluster at a time may occur concurrently, if required to address significant forest health concerns (e.g. Mountain Pine Beetle infestations, wildfire), with the authorization of the MFLNRORD.

CURRENT STATUS AND COMMENTS

Harvesting in cluster 4, which started in 2004, is not yet completed. No harvesting occurred in any part of the Graham IRM plan area during the 2016-17 reporting period covered by this Annual Report.

The Forest Operations Schedule Section 3.1, submitted to MFLNRORD in January 2011, identifies the approximate proposed harvest dates for clusters 4, 4a, 5, 6 and 6a. The Graham IRM Area harvest sequencing is also noted in Table 17 of the FOS. No harvesting is currently planned in the Graham IRM area. The harvest sequencing presented in the FOS is consistent with achieving the target for this indicator.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

None proposed or anticipated.

3.19. GRAHAM MERCH AREA HARVESTED

Indicator Statement	Target Statement
Cumulative merchantable area (hectares) within blocks harvested within the Graham River IRM Plan area since 1997	The cumulative merchantable area (hectares) within harvested blocks will not exceed the planned maximum cumulative harvest areas as measured at the end of each time period. Period # 2 (ending April 2012): 6569 ha Period # 3 (ending April 2017): 9355 ha
SFM Objective: Provide opportunities for a feasible mix of timber, recreational activities and non-timber commercial activities Management strategies address important values in SMZ areas	
Linkage to FSJPPR: For the purposes of Section 42 of the *FSJPPR* this indicator statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the Timber Harvesting Landscape Level Strategy.	

Acceptable Variance:

Operations may only exceed the target in the event of urgent forest health concerns that necessitate increased harvest rates, and after reviewing with the Public Advisory Group, and with the approval of the government.

CURRENT STATUS AND COMMENTS

No harvesting has taken place within the Graham during 2016-17 which is the final year of Period #3.

Table 12: **Graham River IRM Plan- Cluster Area and Timing Schedule (Revised Oct 2006)**

Definitions:

Total Area:	The total size of a Cluster including inoperable areas
Gross Contributing Area:	The Contributing Area (base area) for FPC Biodiversity calculations
IRM Net Harvest Area:	Estimated amount of Gross Operable area considered harvestable after IRM factors are taken into account
Proposed Schedule:	General timing of harvest sequence over the course of the Plan
Maximum Cumulative Merch ha	**The maximum cumulative merch hectares (all previous periods) allowed in cutblocks to period end (indicator)**

Cluster #	Resource Management Zone	Total Area (ha)	Gross Contrib. Area (ha)	Est. IRM Net Harvest Area (1) (ha)	Est. Proportion of Cluster Proposed for Harvest	Proposed Harvest Schedule Start-End		Harvest Period	# of Years	Maximum Cumulative Merch ha within blocks to be harvested
1	Graham-South	1,946	1,922	**706.0**	36.3%	June 1998	July 1999			
17	Graham-South	627	620	**294.0**	46.0%	Nov. 1999	April 2000			
2	Graham-South	2,208	2,085	**312.9**	14.2%	July 2000	April 2002			
3	Crying Girl	2,439	2,115	**620.5**	25.4%	Nov 2002	April 2003			
4	Graham-South	3,975	*3,504*	**976.6**	29.2%	**July 2003**	April 2007			
Sub-total		11,195	*10,246*	**2910.0**		1998	2007	Period 1	9	**3638**
5	Crying Girl	2,228	2,181	**748.6**	33.0%	**April 2007**	Nov. 2008			
6a	Graham-South	2,508	*2,570*	**1078.8**	35.0%	**Nov. 2008**	Nov. 2009			
6b	Graham-South	884	775	**257.5**	29.0%	**Nov. 2009**	April 2010			
6c	Graham-South	726	541	**260.0**	35.0%	**April 2010**	April 2012			
Sub-total		6,346	*5,665*	**2344.9**		2007	2012	Period 2	5	**6569**
7	Crying Girl	1,848	1,812	**577.2**	31.0%	**April 2012**	April 2013			
8a	Crying Girl	1,904	1,638	**840.0**	44.0%	**April 2013**	April 2014			
8b	Crying Girl	2,184	1,877	**812.3**	37.0%	**April 2013**	April 2017			
Sub-total		5,936	5,327	**2229.5**		2012	2017	Period 3	5	**9355**
9	Crying Girl	952	840	**291.0**	30.0%	**April 2017**	Nov. 2017			
10	Crying Girl	966	788	**317.0**	32.0%	**Nov. 2017**	April 2018			
11	Graham-South	1,768	1,717	**594.0**	33.0%	**April 2018**-	April 2022			
Sub-total		3,686	3,345	**1202.0**		2017	2022	Period 4	5	**10858**
12	Graham-North	3,439	3,249	**1289.0**	37.0%	**April 2022**	April 2024			
13	Crying Girl	2,493	2,359	**745.0**	29.0%	**April 2024**	April 2027			
Sub-total		5,932	5,608	**2034.0**		2022	2027	Period 5	5	**13400**
14	Crying Girl	2,643	2,583	**1034.0**	39.0%	**April 2027**	April 2028			
15	Graham-North	3,258	2,666	**1072.0**	32.0%	**April 2028**	April 2032			
Sub-total		5,901	5,249	**2106.0**		2027	2032	Period 6	5	**16033**
16	Graham-North	2,108	1,917	**903.0**	42.0%	**Apr. 2032**	April 2035			
Sub-total		2,108	1,917	**903.0**		2032	2035	Period 7	3	**17162**
18	Graham-North	1,341	1,217	**468.0**	34.0%	**Nov. 2035**	Nov. 2037			
19	Graham-North	3,121	2,782	**1022.0**	32.0%	**Nov. 2037**	April 2040			
Sub-total		4,462	3,999	**1490.0**		2036	2040	Period 8	5	**19024.**
20	Crying Girl	1,317	1,188	**527.0**	40.0%	**Nov. 2041**	April 2045			
Sub-total		1,317	1,188	**527.0**		2042	2045	Period 9	5	**19683**
Totals (Cluster only)		46883	42946	**15746.4**				Period 1-9	47.0	**19683**
D. Total Plan Area		**198,140**	145,053	**15,746**	**8%**					**10%**

April 1, 2007 marked the completion of Harvest Period #1 for this indicator, which covers all logging in the Graham plan area from June of 1998 to April 2007. The Period 1 target was 2,910.4 ha, with a variance of an allowable maximum area harvested of 3,638 ha (including the SFMP# 1 allowable variance of 25% additional area). As noted in the 2009 annual report, the area harvested to the end of Harvest Period 1 was 3,515.6 ha, consistent with the acceptable range of area harvested for the first harvest period.

The second harvest period commenced in April of 2007, and ran until April 1, 2012, with a 6,569 hectare maximum cumulative harvest target. Since the beginning of Period 2 (April 1, 2007) to date of preparation of this report, no harvesting has occurred in the Graham plan area (commencement of time period # 2 to date of preparation of this annual report). Therefore the total cumulative area harvested to the end of Period 2 is 3,515.6 ha (Period 1) +0 ha (Period 2) = 3515.6 ha. This is well within the maximum cumulative harvest area target of 6,569 ha for Period 2. The Participants performance for Period 2 is in conformance with this indicator.

Period 3 began April 2, 2012 and runs to April 1 2017, with a maximum cumulative harvest area target of 9,355 ha. No harvesting has taken place within the Graham during the first 5 years of Period #3. There for the cumulative area harvest to the end of Period 3 is 3,515.6ha. This is well withint the maximum cumulative harvested area target of 9,355ha.

The Participants are in conformance with this indicator.

Figure 6. Graham River operating area clustered harvest pattern, cluster 2.

(photo by D. Menzies)

Target Achieved	
✓ Yes	No

REVISIONS

An additional monitoring period will be identified in SFMP# 3.

3.20. GRAHAM CONNECTIVITY

Indicator Statement	Target Statement
Area (hectares) harvested in cutblocks in the Graham IRM area, within the permanent alluvial and non-productive/non-commercial components of the connectivity corridors	Zero hectares harvested within cutblocks in the permanent alluvial and non-productive/non-commercial components of the connectivity corridors
SFM Objective: Ecosystem functions capable of supporting naturally occurring species exist within the range of natural variability Management strategies address important values in SMZ areas	
Linkage to FSJPPR: For the purposes of Section 42 of the *FSJPPR* this indicator statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the Timber Harvesting Landscape Level Strategy.	

Acceptable Variance:

Variances may be allowed on a site-specific basis where government approval is attained. The indicator target excludes road rights-of-way needed to cross streams.

CURRENT STATUS AND COMMENTS

The Partcipants completed no harvesting within the recognized corridors during the time period covered by this report – April 1, 2016 – March 31, 2017.

Target Achieved	
✓ Yes	No

REVISIONS

None proposed or anticipated.

3.21. MKMA HARVEST

Indicator Statement	Target Statement
The number of long-term harvest plans within the MKMA completed and submitted to government	A minimum of one long-term harvest plan submitted no later than one year following government approval of a landscape unit objective under the MKMA Act, that applies to the Fort St. John TSA portion of the MKMA

SFM Objective: Provide opportunities for a feasible mix of timber, recreational activities and non-timber commercial activities Management strategies address important values in SMZ areas
Linkage to FSJPPR: For the purposes of Section 42 of the *FSJPPR* this indicator statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the Timber Harvesting Landscape Level Strategy.

Acceptable Variance:
Timing of submission may be delayed no more than one additional year.

CURRENT STATUS AND COMMENTS
No change from previous annual report. No new clustered harvest plans have been prepared for the MKMA to date.

No new harvesting is proposed in the MKMA, other than that previously approved under grand parenting provisions of the Muskwa-Kechika Management Act and Regulation, for the duration of FOS# 2. No harvesting of grand parented blocks occurred within the MKMA in the 2015-16 reporting period.

Initial planning for development of an MKMA harvest plan commenced in 2006, and continued in 2007. An area has been selected for plan development. However, Landscape Unit Objectives must be developed for the area by the government, with input from the participants. Progress towards the completion of this plan has been made, however the participants must wait for Landscape Unit Objectives to be approved by government before a plan can be finalized, submitted to government for review and endorsed. As a result of the lack of approval of Landscape Unit Objectives no new clustered harvest plans have been prepared for the MKMA to date.

Target Achieved	
✓ **Yes**	**No**

REVISIONS
There are no revisions planned for this indicator.

3.22. RIVER CORRIDORS

Indicator Statement	Target Statement
The percentage of harvested areas that create openings greater than 1 hectare within 100 metres of RRZ's in identified major river corridors	No openings exceeding 1 hectare in blocks within the major river corridors harvested under the *FSJPPR* (i.e. after November 15th, 2001)
SFM Objective: Management strategies address important values in SMZ areas	
Linkage to FSJPPR: For the purposes of Section 42 of the *FSJPPR* this indicator statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the Riparian Management Landscape Level Strategy	

Acceptable Variance:

10% of openings may exceed 1 hectare, but no openings greater than 2 hectares, except where required otherwise by a forest health treatment plan.

CURRENT STATUS AND COMMENTS

As part of the preparation of the Forest Operations Schedule #2, a digital spatial layer was used for those portions of streams identified in the Fort St. John LRMP in the Major River Corridor Resource Management Zone. The coverage assigned a 100-metre buffer to the riparian reserve zone stream classification, which was based on inventory information if known, or defaulted to S1 classifications if unknown. This coverage is displayed on all 1:50,000 maps where the Major River Corridor RMZ occurs. Any blocks not previously authorized and occurring within a major river corridor were either deleted prior to inclusion in the FOS, or were designated for partial cutting systems (blocks 20015 and 20016) that will be consistent with the target statement.

During the reporting period, harvesting occurred within block 02163 (1.07ha) and block 02023 (0.41ha) within major river corridors in the TSA. BCTS did not harvest any amount of area from a Major River Corridor.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions planned for this indicator.

3.23. TOTAL NUMBER OF CONTRACTS AWARDED TO FIRST NATIONS[10]

Indicator Statement	Target Statement
Value and total number of Contracts awarded annually to First Nations.	Report the annual total value and number of contracts awarded to companies or groups owned or operated by First Nations.
SFM Objective: Provide opportunities for First Nations to participate in forest economy.	
Linkage to FSJPPR: N/A	

Acceptable Variance:

This is a reporting indicator so no variance is required.

CURRENT STATUS AND COMMENTS

During the 2016-17 reporting period, the licensee Participants provided eleven contracts to companies or groups owned, operated, or sponsored by First Nations. These contracts provided First Nations with the opportunity to be involved in the local forest industry and economy by harvesting and hauling approximately 74,546 m^3 of timber generated by the clearing of land for various projects including the BC Hydro Site C project and by operating the

[10] New indicator in 2010 SFMP. Replaces old indicator # 23 'Visual Screening' which has been deleted

Peace Valley OSB log yard. The contract to manage the PVOSB logyard was worth approximately $ 1.82 million in 2016.

During the 2016-2017 reporting period, BCTS did not have any contract arrangements with First Nations.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

No revisions are planned at this time for this indicator.

3.24. PERMANENT ACCESS STRUCTURES

Indicator Statement	Target Statement
Percentage of the total area in Managing Participants' cutblocks occupied by permanent access structures in which harvesting was completed.	A maximum of 5% of the total area in Managing Participants' cutblocks occupied by permanent access structures in which harvesting was completed, as determined on a 3 year rolling average.
SFM Objective: Sustain forest lands within our control within the Defined Forest Area Maintain a natural range of variability in ecosystem function, composition and structure which allows ecosystems to recover from disturbance and stress	
Linkage to *FSJPPR*: For the purposes of Section 35(5) of the *FSJPPR*, this indicator statement, target statement and acceptable variance will replace Section 30(1) of the *FSJPPR*. For the purposes of Section 42 of the *FSJPPR* this indicator statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the Access Management Landscape Level Strategy.	

Acceptable Variance:

None.

CURRENT STATUS AND COMMENTS

The current 3-year average area in permanent access structures ending March 31, 2017 is presented in the following Table 12. The target for this period is a maximum of 5% of total area in permanent access structures. All participants' permanent access structure values were consistent with the targets during the reporting period – Canfor 4.34%, and BCTS 2.61%

Table 13: Current 3-year Average in Permanent Access Structures (PAS)

Managing Participant	Annual Reporting Period (Ending Mar. 31st of Year Indicated)	PAS Area (ha)	Total Area (ha)	% PAS of Total Area
Canfor	2015	144.8	3420.0	4.23%
Canfor	2016	279.1	6252.6	4.46%
Canfor	2017	239.4	5509.8	4.34%
Canfor Total:[11]		**663.3**	**15,182.4**	**4.34%**
BCTS	2015	70.8	2779.9	2.6%
BCTS	2016	139.7	4919.2	2.8%
BCTS	2017	150.1	5243.9	3.1%
BCTS Total:[12]		**250.5**	**9592.3**	**2.61%**
Combined Participants Totals:		**899.3**	**24,390.1**	**3.7%**

Both managing participants are in conformance with the target for this indicator.

The following graph (Figure 7) shows the participants' performance relative to the Permanent Access Structure indicator over the last ten reporting periods. Although this indicator is tracked separately for each managing participant, the combined total values are presented in the graph in the interest of displaying a cumulative view.

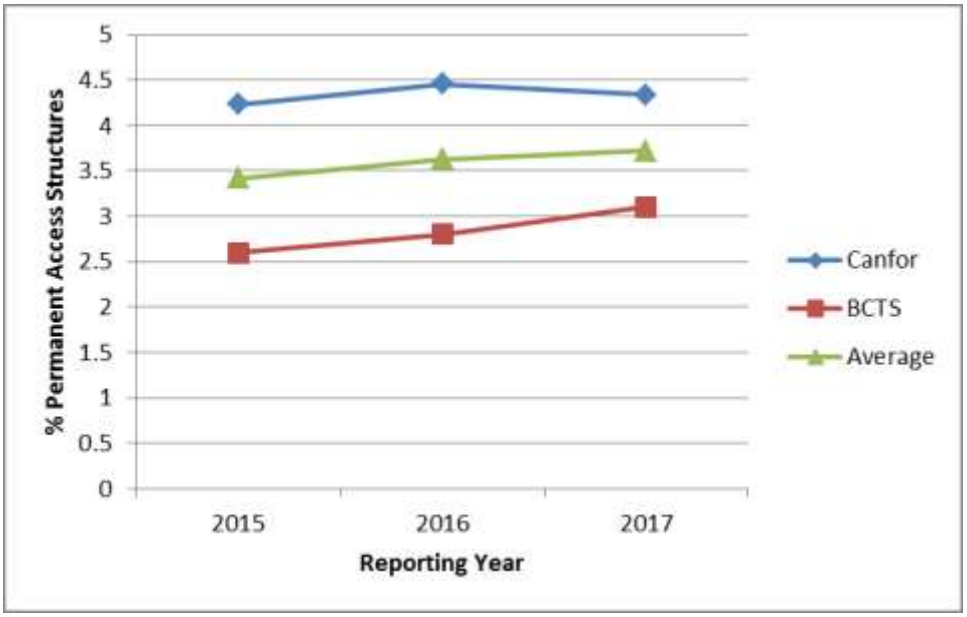

Figure 7: Three year reporting results of 3-year rolling averages of PAS % (2015-2017)

Target Achieved	
✓ **Yes**	**No**

[11] based on 10 metre wide road widths
[12] based on 6 metre wide road widths

REVISIONS

There are no revisions proposed for this indicator and target.

3.25. FOREST HEALTH

Indicator Statement	Target Statement
Percentage of silviculture obligation areas with significant detected forest health damaging agents which have treatment plans developed for them.[13]	100% of silviculture obligation areas with significant forest health damaging agents will have treatment plans developed for them, and initiated within 1 year of detection.
SFM Objective: Maintain a natural range of variability in ecosystem function, composition and structure which allows ecosystems to recover from disturbance and stress Ecosystem functions capable of supporting naturally occurring species continue to exist within the DFA Maintain or enhance landscape level productivity	
Linkage to *FSJPPR*: For the purposes of Section 42 of the *FSJPPR* this indicator statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the Forest Health Landscape Level Strategy.	

Acceptable Variance:

A variance of 1 additional year for completing the treatment plan is permissible to provide time for additional information collection and consultation with forest health specialists.

CURRENT STATUS AND COMMENTS

BCTS

BCTS fill planted 18.9 ha over four openings during the reporting period of April 1, 2016 to March 31, 2017. Prior year silviculture surveys conducted on these openings identified the need for fill planting. The causes were primarily due to heavy grass competition however one block was converted from a deciduous to a conifer management strategy due to heavy repeated ungulate browsing. The repeated browsing prevented the deciduous stems from achieving suitable form and height requirements.

From the silviculture surveys conducted during the reporting period on BCTS obligation areas, there were minor incidences of some forest health damage, primarily from damaging agents such as western gall rust, and Cooley spruce gall aphid. Reports of defoliation on some of the deciduous plantations due to Venturia spp were indicated. Surveys have indicated that grass has been inhibiting the reestablishment of aspen in isolated pockets in some deciduous stands. Ungulate browsing continues to be a problem particularly in some of the smaller deciduous blocks. This has inhibited stand reestablishment. This may result in more conversions from deciduous to coniferous plantations as a result.

None of the forest damages identified were considered at levels significant enough to warrant development of a treatment plan however.

[13] Indicator changed in 2010 SFMP to apply to silviculture obligation areas

The efficacy of the BCTS 2016 aerial herbicide spray program was determined to be rather poor. While it is somewhat of a puzzle why the efficacy of the herbicide was not that good, there is a feeling that long term drought or high levels of precipitation in the time period leading up to the herbicide application may cause the vegetation to not uptake the herbicide effectively. Last summer there was high levels of precipitation during the months of June and July to the point of almost ground saturation conditions. Some of these areas may require a second treatment in a subsequent year to attain satisfactory results.

Licensee Participants (Canfor, MPMC, CRL, Dunne-za, Louisiana-Pacific, PVOSB)

Licensee participants fill planted 84.2 ha of obligation area over 6 different openings during the reporting period of April 1, 2016 through March 31, 2017. The need for fill planting on these sites was identified during surveys, and the cause was attributed to competition from grass, as well as fill-planting deciduous blocks where the aspen were not regenerating in sufficient quantities.

Surveys conducted on obligation areas during the reporting period identified minor incidences of forest health damaging agents, primarily vegetation press, ungulate browse, Cooley spruce gall adelgid and Western Gall Rust. None of the forest damages identified were considered at levels significant enough to warrant development of a treatment plan however.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions planned for this indicator.

3.26. SALVAGE

Indicator Statement	Target Statement
The relative proportion of area of merchantable fire-damaged stands salvaged within a management intensity class[14]	The relative proportions of salvage hectares will be highest in the high intensity zones[15], and lowest in the low intensity zones over an SFMP period (April 1, 2010 - March 31, 2016)
SFM Objective: A natural range of variability in ecosystem function, composition and structure which allows ecosystems to recover from disturbance and stress	
Linkage to FSJPPR: N/A	

Acceptable Variance:

None.

CURRENT STATUS AND COMMENTS

During the summer of 2016, 24 forest fires burned a combined area of 77,593.9 ha within the DFA. These fires occurred in High and Moderate Management Intensity Zones. Salvaging

[14] Modified in 2010 from SFMP # 1 to include only fire damaged stands

[15] See section 1.3.1 for description of LU's in high and low management intensities

occurred within the two largest fires and were preceeded by the preparation of Major FOS amendments to include areas where salvage opportunities existed. Just over 3000 hectares were salvaged within the 2016-2017 reporting period.

Table 14: **Area Damaged / Salvaged in Merchantable Timber 2016-2017**

MANAGE-MENT INTENSITY EMPHASIS	HIGH			MODERATE			LOW			ALL		
Year	Total Area burned (ha)	Merch* Timber Damaged (ha)	Merch Timber Salvaged (ha)	Total Area burned (ha)	Merch* Timber Damaged (ha)	Merch Timber Salvaged (ha)	Total Area burned (ha)	Merch* Timber Damaged (ha)	Merch Timber Salvaged (ha)	Total Merch* Timber Damaged (ha)	Total Area Salvaged	Total Area Damaged (ha)
2016	12,484.6	4,239.5	1,375.1	66,114.3	16,951.0	1,644.8	0	0	0	21,190.5	3,020.0	78,598.9
SFMP Totals	**12,484.6**	**4,239.5**	**1,375.1**	**66,114.3**	**16,951.0**	**1,644.8**	**0**	**0**	**0**	**21,190.5**	**3,020.0**	**78598.9**

*Based on VRI from LRDW on stands with a total estimated volume of >= 140m^3/ha and occurring on the Crown Forest Landbase (CFLB).

For the 2016-17 reporting period, 11.0% of High Management Intensity Zone was salvage harvested and 2.5% of the Moderate Intensity Zone was salvaged. As the relative proportion of the high management intensity zone salvaged was higher than the moderate management intensity zone, the participants are consistent with the target for this indicator.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions proposed for the indicator and target

3.27. SILVICULTURE SYSTEMS

Indicator Statement	Target Statement
Percentage of area harvested annually using even aged silvicultural systems	Even aged silvicultural systems will be employed on at least 80% of the total area harvested annually in the DFA
SFM Objective: A natural range of variability in ecosystem function, composition and structure which allows ecosystems to recover from disturbance and stress	
Linkage to FSJPPR: N/A	

Acceptable Variance:

No acceptable variance.

CURRENT STATUS AND COMMENTS

The following table summarizes the silviculture system (merchantable hectares) on blocks harvested between April 1, 2016 and March 31, 2017.

Table 15: Silviculture System Summary by area

Managing Participant	Even-aged (ha)	Uneven-aged (ha)	Total (ha)
Licensee Participants	5,144.3	0	5,144.3
BCTS	1249.5	0	1249.5
Total	**8,041.1**	**0**	**8,041.1**

Even-aged silviculture systems were employed on 100% of the total area harvested by participants within the DFA during the reporting period, which is consistent with the target for this indicator.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no proposed changes to the indicator or the target.

3.28. SPECIES COMPOSITION

Indicator Statement	Target Statement
Relative Change in Plantation Composition versus Harvest Composition for Spruce and Pine	The relative proportion of spruce and pine planted annually will equal the proportions harvested annually (excluding fill planting)
SFM Objectives: Maintain the diversity and pattern of communities and ecosystems within a natural range Maintain a natural range of variability in ecosystem function, composition and structure which allows ecosystems to recover from disturbance and stress	
Linkage to *FSJPPR*: For the purposes of Section 42 of the *FSJPPR* this indicator statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the Reforestation Landscape Level Strategy.	

Acceptable Variance:

An annual variance of plus or minus 20% absolute difference between the planted Pine/Spruce percentages and cruise Pine/Spruce percentage estimates is allowed to reflect potential annual harvest composition fluctuations, site treatment impacts, annual seedling delivery fluctuations (i.e. nursery production shortfalls/overruns), and to allow site level decisions to be signed off by Professional Foresters for variances (e.g. to address potential forest health concerns such as areas highly susceptible to rusts, insects, etc.)[16]

[16] The original variance was amended in the 2006-2007 Annual Report- clarified that the assessment is based on cruised volumes vs seedlings planted

CURRENT STATUS AND COMMENTS

The following table summarizes the blocks planted between April 1, 2016 and March 31, 2017 and the corresponding cruise species percentages by licensee:

Table 16: Planting vs. cruise species comparison

2016 Planting Summary			
Division	**Data**	**Total**	**Percentages**
BCTS	Sum of Cruise Spruce (m3)	148,321	59%
	Sum of Cruise Pine (m3)	103,034	41%
	Sum of Planted Spruce (trees)	727,182	57.8%
	Sum of Planted Pine (trees)	530,358	42.2%
Licensee Participants	Sum of Cruise Spruce (m3)	465,779	57.3%
	Sum of Cruise Pine (m3)	346,962	42.7%
	Sum of Planted Spruce (trees)	1,845,425	53.1%
	Sum of Planted Pine (trees)	1,630,840	46.9%
Combined Total			
Total Sum of Cruise Spruce (m3)		614,100	57.7%
Total Sum of Cruise Pine (m3)		449,996	42.3%
Total Sum of Planted Spruce (trees)		2,572,607	54.3%
Total Sum of Planted Pine (trees)		2,161,198	45.7%

As indicated above the blocks planted in 2016 contained 57.7% spruce volume in the cruise and were planted with 54.3% spruce. These blocks contained 42.3% pine volume in the cruise and were planted with 45.7% pine. The planted species percentages are within 20% of the cruise species percentages and therefore the participants are within the acceptable variance for this indicator and target.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no proposed revisions to this indicator or the target.

3.29. REFORESTATION ASSESSMENT

Indicator Statement	**Target Statement**
Predicted Merchantable Volume (PMV) (cubic meters) coniferous and separate deciduous surveyed areas.	Predicted Merchantable Volume will meet or exceed the Target Merchantable Volume (TMV). The TMV is set at 95% of the Maximum Predicted Merchantable Volume attainable on

	coniferous areas. The TMV is set at 90% of the Maximum Predicted Merchantable Volume attainable on deciduous areas.
SFM Objectives: A natural range of variability in ecosystem function, composition and structure which allows ecosystems to recover from disturbance and stress Maintenance of the processes for carbon uptake and storage	
Linkage to FSJPPR: For the purposes of Section 35(5) of the FSJPPR this indicator statement, target statement and acceptable variance will be used in replacement of the portions of affected Section 32 of the FSJPPR through the application of the landscape level strategy for coniferous areas logged after November 15, 2001. This will also apply to coniferous area in cutblocks with commencement dates before November 15, 2001 if the participant currently carries reforestation liability and has submitted a statement to the district manager that the cutblock(s) will be subject to the SFMP under Section 42 of the FSJPPR. Please refer to sec 8.1.3 of this SFMP. For the purposes of Section 42 of the FSJPPR this indicator statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the landscape level strategies for coniferous areas.	

Acceptable Variance:

A variance of 5% below the Target Merchantable Volume will be acceptable (i.e. 90% of the Maximum Predicted Merchantable Volume for coniferous areas, and 85% of the Maximum Predicted Merchantable Volume for deciduous areas). The variance accounts for the complexity of ecosystems and silviculture regimes combined with the long time frames and variety of influences on reforestation outcomes.

If the conifer target population's Predicted Merchantable Volume is less than the Target Merchantable Volume, individual cutblocks will be required to meet a minimum cutblock Mean Stocked Quadrant (MSQ) value of 2.0 well growing crop trees, for a target stocking of 1200 stems/ha or greater. For a target stocking of 1000 stems/ha and 800 stems/ha the minimum cutblock MSQ values will be 1.7 and 1.3 respectively. If the cutblock has areas of different target stocking the MSQ will be prorated by area.
Damage events beyond the control or influence of the Participants (e.g. wildfire) will result in the block being deleted from the assessment population, and assessed as noted in the Strategy and Implementation section.

The deciduous compiler has been developed. MSQ reports for deciduous are now included in this section.
Situations may arise in which despite due diligence in prescribing and implementing the silviculture regimes the Participant has not met the target. Where further treatment options are limited, the District Manager may waive a requirement for further treatment.

CURRENT STATUS AND COMMENTS

Tables corresponding to the results presented below can be found in Appendix 5-Reforestation.

BCTS

A total of eight BCTS blocks were surveyed from the 2001/2002 harvest year. These eight blocks are managed using coniferous stocking standards. This accounted for a sample size of

227.8 ha. The field data collected in July and August was compiled over the winter using a compiler developed by Timberline Natural Resource Group. The 227.8 ha were broken down into six different stratums based on species composition, site index, stocking class and target stocking standard. For each stratum a target merchantable volume (TMV) was determined based on TASS models. Using the inputs of mean stocked quadrant (MSQ), mean effective age and site index, a predicted merchantable volume (PMV) was then calculated for each stratum. The PMV for the 2001/2002 harvest year for coniferous managed stands was 121,191 m^3 and the TMV was 117,443 m^3. **This put the PMV at 103.2 % of the TMV, which means that the target has been achieved.**

In addition to the above, a total of nine BCTS blocks were surveyed from the 2006/2007 harvest year using deciduous stocking standards. This accounted for a sample site of 472.0 ha. The field data was collected in the summer and compiled using a deciduous compiler developed by Craig Farnden Forestry Consulting. This sample represents one stratum based on species composition, site index, stocking class and target stocking standard. The target merchantable volume (TMV) was determined based on TASS models. Using the inputs of mean stocked quadrant (MSQ), mean effective are and site index, a predicted merchantable volume (PMV) was then calculated. The PMV for the 2006/2007 harvest year for deciduous managed stands was 230,219 m^3 and the TMV was 210,460 m^3. **This put the PMV at 109.0% of the TMV, which means the target has been achieved.**

Licensee Participants

A total of 51 blocks were surveyed from the 2001/2002 harvest year, accounting for a sample size of 2129 ha. A family medical emergency of our contractor led to three blocks being missed from inclusion into this population (120004, 120005, and 10001), though they will be included in the upcoming 2017 population. The field data collected between August and October of 2016 were compiled over the winter using a compiler developed by J.S. Thrower and Associates. The 2129 ha were grouped into 27 different strata based on species composition, site index, stocking class, and target stocking standard. For each stratum a target merchantable volume (TMV) was determined based on TASS models. Using inputs of mean stocked quadrant (MSQ), mean effective age and site index, a predicted merchantable volume (PMV) was then calculated for each stratum. The PMV for the 2001/2002 harvest year was 1,388,443 m^3, and the TMV was 1,309,203 m^3. **This put the PMV at 106.1% of the TMV, which means the target was met.**

In addition to the above, a total of 34 Canfor blocks were surveyed from the 2006/2007 harvest year using deciduous stocking standards. This accounted for a sample size of 2887 ha. The field data was collected in the summer and compiled using a deciduous compiler developed by Craig Farnden Forestry Consulting. This sample represents two strata based on species composition, site index, stocking class, and target stocking standards. The target merchantable volume (TMV) was determined based on TASS models. Using the inputs of mean stocked quadrant (MSQ), mean effective area and site index, a predicted merchantable volume (PMV) was then calculated. The PMV for the 2006/2007 harvest year for deciduous managed stands was 1,087,470 m^3 and the TMV was 979,560 m^3. **This put the PMV at 111.0% of the TMV, which means the target has been achieved.**

The following charts show a 3-year summary for this indicator:

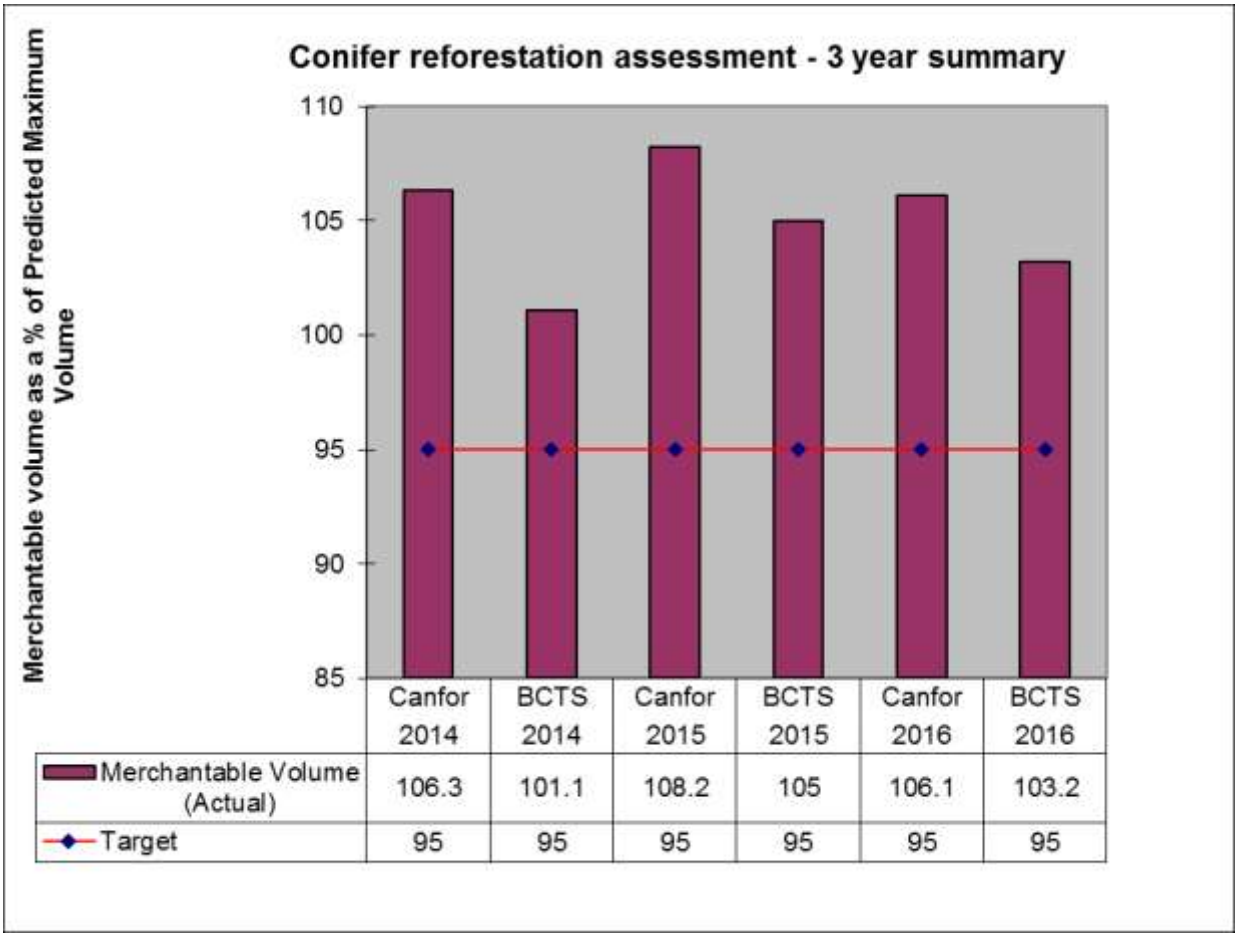

Figure 8: Conifer reforestation assessment merchantable volume prediction

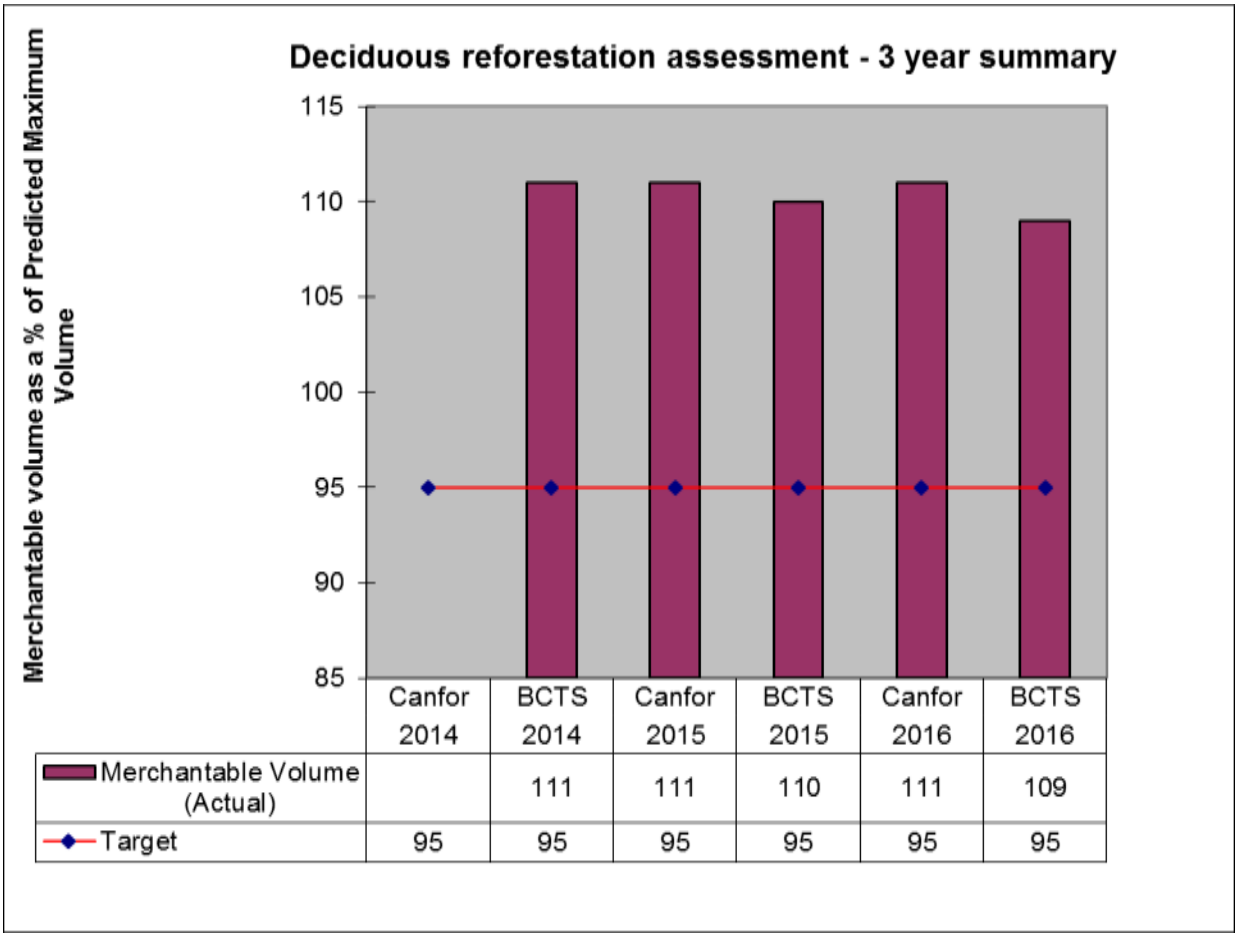

Figure 9: Deciduous reforestation assessment merchantable volume prediction

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no proposed revisions to this indicator.

3.30. ESTABLISHMENT DELAY

Indicator Statement	Target Statement
Establishment Delay (years)	The area weighted average establishment delay for coniferous regeneration will not exceed two years The area weighted average establishment delay for deciduous regeneration will not exceed three years The area weighted average establishment delay for mixedwood stands regeneration will not exceed three years.
SFM Objectives: Maintain the diversity and pattern of communities and ecosystems within a natural range Maintain a natural range of variability in ecosystem function, composition and structure which allows ecosystems to recover from disturbance and stress Maintenance of the processes for carbon uptake and storage	
Linkage to *FSJPPR*: For the purposes of Section 42 of the *FSJPPR* this indicator statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the Reforestation Landscape Level Strategy.	

Acceptable Variance:

To allow for variations in site preparation requirements, access, and delays in harvest the acceptable variance for establishment delay is an additional one half year (e.g. 2.5 years for conifer, 3.5 years for deciduous and mixedwood).

CURRENT STATUS AND COMMENTS

Coniferous Regeneration:

BCTS coniferous establishment delay was 0.7 years, which is within the acceptable performance range for coniferous establishment timelines for this indicator. Canfor coniferous establishment delay was 1.3 years, which is within the acceptable performance range for coniferous establishment timelines for this indicator.

Deciduous Regeneration:

The BCTS deciduous establishment delay was 1.6 years, which is within the acceptable performance range for deciduous establishment timelines for this indicator. The Canfor deciduous establishment delay was 1.6 years, which is within the acceptable performance range for deciduous establishment timelines for this indicator.

Mixedwood Regeneration

The BCTS mixedwood establishment delay was 3.3 years, which is not within the acceptable performance range for mixedwood establishment timelines for this indicator. However, the variance of 0.5 years is permissible in this situation. The Canfor mixwood establishment delay was 1.0 years, which is within the acceptable performance range for mixwood establishment timelines for this indicator.

Refer to the tables found in Appendix 5- Reforestation, for a detailed listing of how this establishment delay value was calculated.

The Figure below shows a 3-year summary for the indicator:

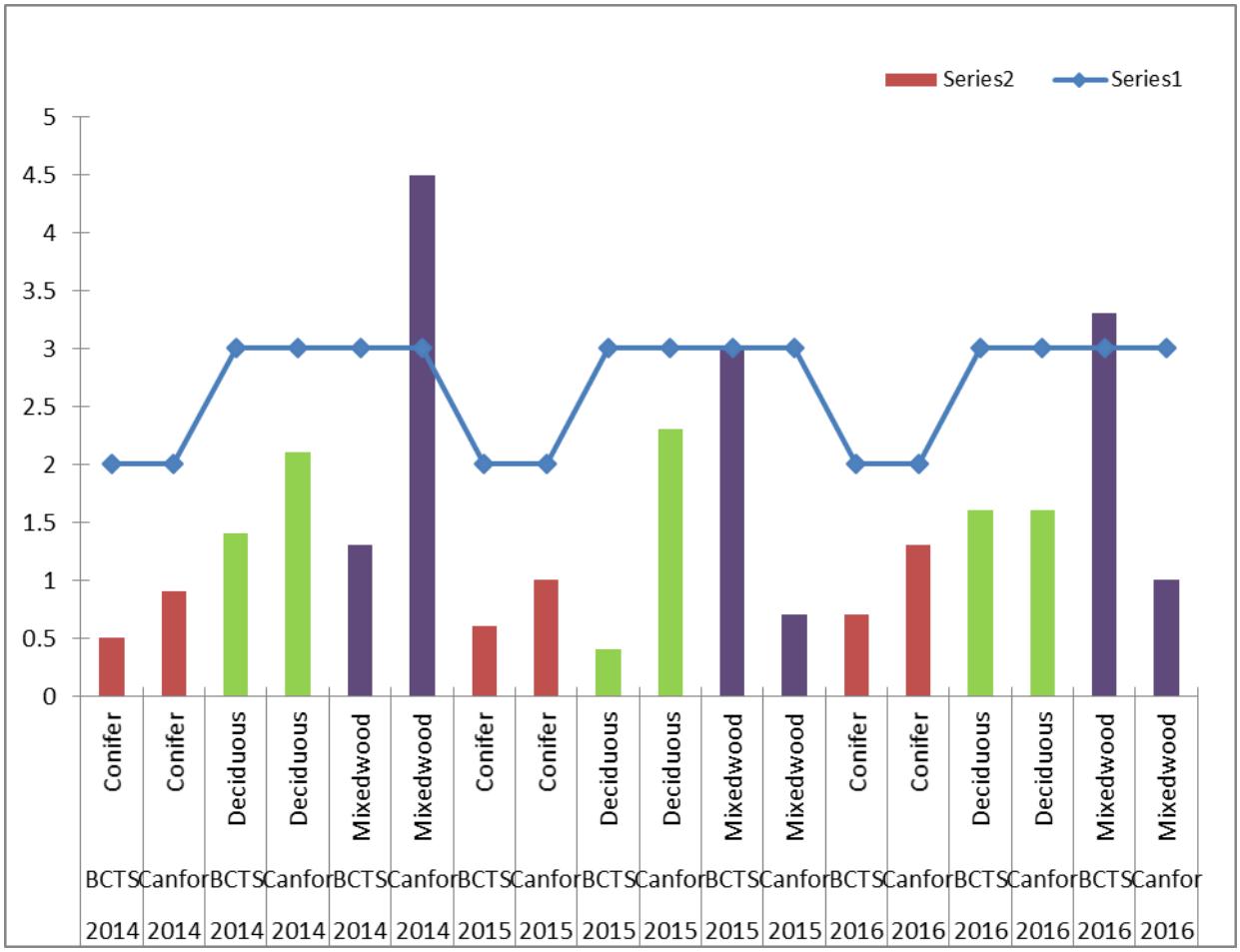

Figure 10: Establishment delay 3-year summary

The participants achieved all 3 targets associated with this indicator.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no proposed revisions to the indicator statement or target.

3.31. LONG TERM HARVEST LEVEL

Indicator Statement	Target Statement
Long-term harvest level (LTHL) as measured in cubic metres per year (m^3/yr)	We will propose an Allowable Annual Cut (AAC) that sustains the LTHL of the Defined Forest Area (DFA)
SFM Objective: Maintain or enhance landscape level productivity No decrease in the LTHL in the DFA	
Linkage to FSJPPR: N/A	

Acceptable Variance:

At the time of SFMP #1 government policy direction was to have Timber Supply Reviews (TSR's) prepared by industry for the Chief Forester's consideration, and determination of the AAC. This policy has changed, government is now preparing TSR's with input from the public and stakeholder. Forest industry participation in the TSR process is now limited to providing information and feedback.

Allthough the Participants may propose information to be considered in the calculation of a sustainabkle long term harvest level, the responsibility and authority to determine an AAC however, rests with the MFLNRORD. Ultimately, it is the MFLNRORD Chief Forester who determines the AAC for the management unit.

CURRENT STATUS AND COMMENTS

Work on the current TSR commenced in the summer of 2013. The TSR analysis results document was released in early 2016. The Participants provided information for consideration by the MFLNRORD in the preparation of the data package and the review of the analysis report, which supports the TSR AAC determination. The MFLNRORD is developing an AAC determination report which is expected to be released in late 2017. Currently the AAC remains at the levels set in 2003.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no proposed revisions to the indicator statement or target.

3.32. SITE INDEX

Indicator Statement	Target Statement
Site index	Average post harvest site index will not be less than average pre-harvest site index on blocks harvested under the pilot project regulation
SFM Objective: Maintain or enhance landscape level productivity Protect soil resources to sustain productive forests	

Linkage to FSJPPR: N/A

Acceptable Variance:

A maximum negative variance of 15% post harvest site index *versus* pre harvest site index is allowed to account for statistical variability.

CURRENT STATUS AND COMMENTS

The majority of SPs/SLPs for blocks harvested since Nov. 15, 2001 have been updated to include pre-harvest site index, so that the data will be readily available when well-growing assessments are made to them in the future. All SLP's completed by the participants between April 1, 2015 and March 31, 2016 include site index. Blocks for which licensees developed SLP's during the reporting period have Site Index identified for each Standard Unit.

This indicator applies to blocks harvested since Nov. 15, 2001 that have undergone completion of a well growing assessment as per the required well growing assessment schedule. This is the first reporting season where a population of cutblocks have met the conditions required for inclusion. Multiple blocks, however, were removed from the population due to recent wildfire.

Table 17: Pre and Post Harvest Site Indices

License	BLOCK	Harvest Start Date	Standards Unit	Original Pre-harvest Site Index	Well Growing Assessment Site Index
A60189	1	20-Nov-01	A	18	19.3
A60189	1	20-Nov-01	B	18	19.8
A61903	1	10-Jan-02	A	16	20.7
A61903	1	10-Jan-02	B	16	20.7
A59642	1	21-Nov-01	B	16	19.8
A59642	1	21-Nov-01	C	16	24.2
A59642	1	21-Nov-01	A	16	19.8
A54844	1	20-Nov-01	A	18	19.8
A60049	01008	18-Jul-06	A	17	18
PAG12	03035	11-Dec-06	A	16	18
A60050	05005	12-Feb-07	A	20	15
A18154	08004	10-Mar-02	A	15	23
A18154	08004	10-Mar-02	B	15	18
A18154	08004	10-Mar-02	C	15	18
A18154	08006	15-Feb-02	A	18	18
A18154	08006	15-Feb-02	B	19	19
A18154	08006	15-Feb-02	C	18	18
A18154	08008	25-Feb-02	A	15	23
A18154	08008	25-Feb-02	B	15	24
A18154	11012	7-Jan-02	A	6	12
A18154	11012	7-Jan-02	B	6	15
A18154	20012	27-Nov-01	A	15	22

A18154	20012	27-Nov-01	B	15	24
A18154	20012	27-Nov-01	C	15	12
A18154	22016	10-Jan-02	A	18	25
A18154	22016	10-Jan-02	B	18	19
A18154	22016	10-Jan-02	C	18	27
A18154	22016	10-Jan-02	D	18	23
A18154	22016	10-Jan-02	E	18	28
A18154	22016	10-Jan-02	F	18	19
A18154	22018	4-Feb-02	A	27	28
A18154	22018	4-Feb-02	B	15	18
A18154	22018	4-Feb-02	C	27	27
A18154	22018	4-Feb-02	D	27	23
A18154	22025	11-Feb-02	A	20	21
A18154	22025	11-Feb-02	B	20	21
A18154	22025	11-Feb-02	C	20	22
A18154	44040	2-Apr-07	A	17	15
A18154	44041	2-Apr-07	A	17	15
A18154	629008	8-Jan-02	A	14	24
A18154	629008	8-Jan-02	B	14	24
A60049	S01009	8-Jan-07	A	17	18
A60049	S01009	8-Jan-07	B	17	18
A60050	S01220	24-Oct-05	a	17	18
A60050	S01220	24-Oct-05	b	17	18
A60050	S01234	17-Oct-05	a	16	18
A60050	S01234	17-Oct-05	b	16	18
A60050	S01237	3-Oct-05	a	17	18
A60050	S01279	7-Nov-05	A	20	18
A60050	S01279	7-Nov-05	B	20	18
A60049	S04009	5-Jan-06	1	20	15
A60049	S04028	15-Nov-05	A	18	18
A60049	S09078	14-Dec-06	A	21	18
A60049	S25003	2-Dec-05	A	17	18
A60049	S25003	2-Dec-05	B	17	18
PAG12	S26014	17-Nov-06	A	19	18
PAG12	S26014	17-Nov-06	B	18	18
A60049	S27017	28-Dec-05	A	16	18
A60049	S27017	28-Dec-05	B	16	18
A60049	S27018	10-Feb-06	A	18	18
A60050	S43001	21-Feb-06	A	18	15
A60050	S43002	9-Nov-05	a	18	18
A60049	S45017	6-Dec-06	A	18	18
A60049	S45044	21-Nov-05	A	19	18
A60049	S45044	21-Nov-05	b	19	18
A60049	S45049	2-Jan-06	A	18	18

The average pre-harvest site index was 17.3, whereas the average post-harvest site index was determined to be 19.5.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no proposed revisions to this indicator or the target.

3.33. FIRST NATIONS CONSULTATION & INFORMATION SHARING[17]

Indicator Statement	Target Statement
Percentage of affected First Nations invited to participate in information sessions or presentations related to the participants' practices and /or plans (SFMP, FOS, and PMP's)	100% of affected First Nations will be invited to participate in information sessions or presentations related to the participants' practices and /or plans (SFMP, FOS, and PMP's).
SFM Objective: Involve First Nations in review of forest management plans, provide understanding of forest management plans	
Linkage to FSJPPR: N/A	

Acceptable Variance:

No acceptable variance.

CURRENT STATUS AND COMMENTS

During the 2016-2017 reporting period there were 3 major FOS amendments (#252, #254, #256). Information sharing related to all major FOS amendments was conducted with the affected Treaty 8 First Nations and other affected First Nations with identified interest in the FSJ TSA. The identification of the "affected" First Nations was based on the geographic location of the proposed amendment areas and was guided by the First Nations Relations Advisor from MFLNRORD. FOS amendment packages including maps and letters were provided to each affected First Nation for each major amendment and appropriate follow-up meetings and discussions were held as requested.

During the 2016-2017 reporting period both BCTS and Canfor conducted info-sharing related to new Integrated Vegetation Management Plans (IVMP's). Consultation and information sharing was conducted with the affected Treaty 8 First Nations and other affected First Nations with identified interests in the FSJ TSA. IVMP consultation and info sharing was guided by the requirements of the Ministry of Environment regulations. Each First Nation was provided a copy of the IVMP, associated maps and follow up discussions were held through in person meetings, phone calls and email.

[17] New indicator in 2010 SFMP- previous SFMP#1 Indicator # 33 was Landslides, which has been deleted

Target Achieved	
✓ Yes	No

REVISIONS

There are no revisions planned for this indicator statement or target.

3.34. PEAK FLOW INDEX

Indicator Statement	Target Statement
The percentage of watersheds achieving baseline targets for the peak flow index and the percent of watershed reviews completed where the baseline target is exceeded	95% or more of the watersheds will be below the baseline target All watersheds that exceed the baseline target will have a watershed review completed wherever new harvesting is planned
SFM Objective: Maintenance of water quantity	
Linkage to FSJPPR: For the purposes of Section 42 of the FSJPPR this indicator statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the landscape level strategies.	

Acceptable Variance:

A variance to a minimum of 90% of the watersheds below the baseline targets will be acceptable.

A zero variance for conducting a watershed review wherever new harvesting is planned in a watershed where the baseline target is exceeded.

CURRENT STATUS AND COMMENTS

A DFA-wide analysis of watersheds was conducted. The analysis was done during development of FOS 3 to determine the impact of blocks harvested to March 31, 2025 to each watershed's peak flow index. The analysis showed that 105 of 105 watersheds are below the baseline target for current state and 104 of 105 watersheds (100%) are below the baseline target for future state upon completion of all harvest activities by both participants.

The table below identifies the current and expected future state of PFI upon completion of all harvest activities proposed in FOS# 3.

Table 18: PFI FOS 3 Condition and Targets

Watershed Group	Watershed Name	Class	Size (km2)	Elevation range (m)	H60 Elevation (m)	Baseline Threshold PFI	PFI Current State 2017	PFI 2025
Fontas	Bedji Creek		230.42	460 – 600	508	50	1.6	1.9
Fontas	Chasm Creek		168.21	539 – 680	599	50	0.0	0.0
Fontas	Dazo Creek		260.27	360 – 494	460	50	1.0	0.7

Watershed Group	Watershed Name	Class	Size (km2)	Elevation range (m)	H60 Elevation (m)	Baseline Threshold PFI	PFI Current State 2017	PFI 2025
Fontas	FONT Unnamed 1		117.73	361 – 481	461	50	0.6	0.4
Fontas	Fontas River		320.35	536 - 800	660	50	15.0	16.2
Fontas	Kataleen Creek		162.95	380 – 451	413	50	3.0	3.3
Fontas	Teklo Creek		212.81	380 – 474	426	50	0.1	0.1
Fontas	Upper Etthithun River		404.45	620 – 842	680	50	20.5	21.6
Fontas	Ekwan Creek	LB	850.5	360 – 481	420	50	2.0	2.1
Fontas	Etthithun River	LB	1161.6	440 – 842	535	50	8.0	8.6
Fontas	Fontas River - LB	LB	714.32	440 – 800	580	50	7.0	7.5
Kahntah	Dahl Creek		412.84	535 – 943	700	50	0.2	4.6
Kahntah	Helicopter Creek		147.32	505 - 742	613	62	0.1	0.1
Kahntah	KAHN Unnamed 4		226.87	640 – 944	720	50	0.9	2.9
Kahntah	KAHN Unnamed 5		126.05	538 – 721	624	62	0.5	0.4
Kahntah	Upper Cautley Creek		478.27	660 – 1022	740	62	9.8	11.6
Kahntah	Cautley Creek	LB	865.02	518 – 1022	680	62	5.6	6.6
Kahntah	Kahntah Creek	LB	1096.59	518 - 944	700	50	0.5	3.9
Lower Beatton	Aitken Creek		828.45	654-985	815	43	16.1	14.2
Lower Beatton	Charlie Lake		292.66	690-889	773	62	11.7	13.1
Lower Beatton	Doig River		983.34	623-852	731	43	1.1	1.5
Lower Beatton	Osborn River		735.95	623-987	745	43	38.2	58.6
Lower Beatton	Umbach Creek		430.91	611-866	741	43	7.8	8.9
Lower Beatton	Upper Blueberry		857.77	655-1048	820	50	15.9	17.1
Lower Halfway	Aikman Creek		118.74	640 - 1120	815	43	9.0	17.0
Lower Halfway	Blair Creek		230.44	698 – 1142	902	43	25.2	34.3
Lower Halfway	Cameron Creek		495.18	699 – 1203	944	43	6.8	11.8
Lower Halfway	Colt Creek		158.53	719 – 1701	913	43	7.0	8.0
Lower Halfway	Deadhorse Creek		208.99	560 – 959	820	43	19.9	23.5
Lower Halfway	Ground Birch Creek		338.39	558 – 1062	735	43	16.0	15.3
Lower Halfway	Horn Creek		426.61	1079 – 2347	1474	37	0.0	0.0
Lower Halfway	Kobes Creek		299.88	620 – 1648	828	50	10.9	13.3
Lower Halfway	LHAF Unnamed 1		216.47	699 – 1022	860	43	11.3	14.5
Lower Halfway	Needham Creek		328.94	938 – 2269	1430	43	0.0	0.0
Lower Halfway	Poutang Creek		179.97	1098 – 2393	1453	43	0.0	0.0
Lower Halfway	Townsend Creek		295.8	698 – 1081	880	43	19.0	17.0
Lower Halfway	Cameron River - Residual	LB	2029.32	538 - 1205	837	37	14.9	19.8
Lower Halfway	Graham River	LB	2309.94	530 – 2404	1279	43	2.4	2.4
Lower Sikanni	Bull Creek		351.34	639 – 981	752	50	1.8	16.0
Lower Sikanni	Dechacho Creek		172.51	378 – 762	516	50	1.2	1.2
Lower Sikanni	Katah Creek		594.82	419 – 915	660	50	0.8	7.6
Lower Sikanni	Kenai Creek		78.86	400 – 621	1000	50	3.6	2.6
Lower Sikanni	LSIK Unnamed 2		162.43	536 – 858	720	43	5.5	11.3
Lower Sikanni	LSIK Unnamed 4		59.29	519 – 721	641	50	1.3	1.4

Watershed Group	Watershed Name	Class	Size (km2)	Elevation range (m)	H60 Elevation (m)	Baseline Threshold PFI	PFI Current State 2017	PFI 2025
Lower Sikanni	Niteal Creek		516.6	359 – 520	475	50	0.1	0.1
Lower Sikanni	Upper Gutah Creek		806.45	559 – 901	728	62	1.1	3.2
Lower Sikanni	West Conroy		248.28	638 – 1020	782	50	5.8	24.5
Lower Sikanni	Conroy Creek	LB	1096.67	417 – 1020	720	50	3.2	15.5
Lower Sikanni	Gutah Creek	LB	1450.99	380 – 901	645	50	1.4	3.3
Milligan	Dede Creek		128.35	680 – 740	720	62	0.8	0.8
Milligan	Flick Creek		203.24	700 – 859	780	62	0.3	0.3
Milligan	Little Beaverdam Creek		334.14	690 – 854	732	62	0.4	0.4
Milligan	MILL Unnamed 3		325.52	780 – 962	880	62	4.3	4.7
Milligan	Milligan Creek		432.38	680 – 941	780	50	0.3	0.3
Milligan	Upper Milligan Creek		382.2	719 – 941	832	50	13.2	14.5
Milligan	Milligan Creek - LB	LB	1836.56	619 – 941	758	50	3.6	3.9
Upper Beatton	Arrow Creek		507.02	661 – 902	783	50	1.1	1.2
Upper Beatton	Beatton River		1071.09	777 – 1780	984	43	7.0	9.5
Upper Beatton	Black Creek		666.11	700 – 1022	807	50	6.8	7.7
Upper Beatton	Grewatsch Creek		269.73	736 – 1103	927	50	5.8	11.1
Upper Beatton	Holman Creek		150.18	719 – 1080	896	50	10.9	14.6
Upper Beatton	Jedney Creek		128.76	779 – 1101	952	43	7.9	13.0
Upper Beatton	La Prise Creek		338.99	717 – 1021	860	50	16.9	16.1
Upper Beatton	Martin Creek		120.24	700 – 980	830	50	42.3	47.6
Upper Beatton	McMillan Creek		103.34	659 – 770	736	43	0.2	0.2
Upper Beatton	Nig Creek		476.81	680 – 920	782	50	22.0	24.2
Upper Beatton	UBTN Unnamed 9		156.26	677 – 880	757	50	0.4	0.5
Upper Beatton	Upper Beatton Lrg	LB	2345.63	719 - 1782	924	50	9.1	12.4
Upper Halfway	Blue Grave Creek		158.63	720 – 1722	960	37	4.4	8.7
Upper Halfway	Horseshoe Creek		197.41	739 - 1762	1060	37	1.7	6.1
Upper Halfway	Two Bit Creek		160.23	980 – 1888	1235	37	0.4	0.4
Upper Halfway	UHAF Unnamed 3		127.86	922 – 1862	1221	37	0.0	0.0
Upper Halfway	UHAF Unnamed 6		211.34	778 – 1981	976	37	16.5	19.4
Upper Halfway	Upper Chowade		426.75	925 – 2336	1395	37	5.3	5.8
Upper Halfway	Upper Cypress		334.89	1099 – 2316	1493	37	0.0	0.0
Upper Halfway	Upper Halfway River		629.22	1103 – 2590	1235	37	0.0	0.0
Upper Halfway	Chowade River	LB	988.88	779 - 2331	1475	43	6.6	7.8
Upper Halfway	Cypress Creek	LB	620.07	840 – 2229	1200	37	2.4	3.2
Upper Halfway	Upper Halfway River - LB	LB	1096.06	914 – 3057	1241	37	0.1	0.2
Upper Peace	Coplin Creek		350.04	582-942	773	43	22.3	24.4
Upper Peace	Farrel Creek		646.01	447-1686	713	43	16.4	24.5
Upper Peace	North Cache Creek		187.89	548-909	759	43	15.6	17.6
Upper Peace	Red Creek		239.85	446-919	753	43	14.0	16.4
Upper Prophet	Besa Creek		515.61	1136 – 2993	1568	43	0.0	0.0
Upper Prophet	Minaker River		170.31	859 – 1742	1060	43	1.3	1.3
Upper Prophet	Nevis Creek		182.43	1019 – 2102	1422	37	0.0	0.0
Upper Prophet	Pocketknife Creek		235.85	860 – 1884	1110	43	0.5	0.7

Watershed Group	Watershed Name	Class	Size (km2)	Elevation range (m)	H60 Elevation (m)	Baseline Threshold PFI	PFI Current State 2017	PFI 2025
Upper Prophet	Upper Prophet River		269.62	1137 – 2920	1683	37	0.0	0.0
Upper Prophet	Minaker River - Residual	LB	555.08	819 – 1820	1070	43	0.8	1.0
Upper Prophet	Upper Prophet	LB	1177.85	1020 - 2993	1569	37	0.0	0.0
Upper Sikanni	Boat Creek		391.83	455 – 1081	719	50	0.0	0.0
Upper Sikanni	Buckinghorse River		389.18	840 – 1936	1119	43	1.0	1.6
Upper Sikanni	Coal Creek		214.49	637 – 1079	900	43	12.7	16.1
Upper Sikanni	Daniels Creek		223.39	758 – 1263	1041	43	3.3	4.5
Upper Sikanni	Donnie Creek		122.16	520 – 1043	822	50	10.4	16.8
Upper Sikanni	Loranger Creek		132.18	1025 – 2018	1390	43	0.0	0.0
Upper Sikanni	Medana Creek		138.68	702 – 1183	1000	43	0.2	2.0
Upper Sikanni	Middle Fork Creek		207.97	857 – 1269	1060	43	2.3	2.4
Upper Sikanni	Sidenius Creek		460.87	1119 – 2619	1489	43	2.6	2.8
Upper Sikanni	Sikanni Chief		470.52	1119 – 2739	1488	43	0.0	0.0
Upper Sikanni	Temple Creek		216.19	458 – 901	760	43	5.0	16.6
Upper Sikanni	Trimble Creek		160.27	1082 – 2122	1439	43	0.0	0.0
Upper Sikanni	Trutch Creek		858.44	491 – 1262	781	43	5.0	8.5
Upper Sikanni	Buckinghorse River - Residual	LB	1239.18	618 - 1936	1029	43	1.5	2.5
Upper Sikanni	Sikanni Chief - Residual	LB	2902	618 – 2739	1143	43	1.7	2.2

With respect to current state, the analysis indicates that all watersheds (105 of 105 - 100%) are within the target threshold for peak flow and the participants are in conformance with this indicator. Concerning future state, with the exception of the Osborn River, 104 of 105 (99%) watersheds are within the target threshold for peak flow and the participants are in conformance with this indicator target.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no proposed revisions to this indicator or the target.

3.35. WATER QUALITY CONCERN RATING

Indicator Statement	Target Statement
The percentage of surveyed stream crossings annually identified with a high WQCR rating on forestry roads within the DFA for which Participants have stewardship *WQCR – water quality concern rating	On an annual basis fewer than 30% of the total number of surveyed stream crossings on roads for which the Participants have stewardship will have 'High' WQCR. [18]
SFM Objective: Maintenance of water quality	
Linkage to FSJPPR: N/A	

Acceptable Variance:

Maximum 'high' WQCR allowable will be 35%.

CURRENT STATUS AND COMMENTS

Water Quality Effectiveness Evaluation (formerly WQCR) field surveys were conducted on 24 crossings in 2016. Three of those crossings were along fish bearing streams. Results of the field surveys are presented below (table 17).

The participants achieved the indicator target for the 2016/17 reporting period.

Table 19: Summary of WQCR data collected during 2016

Status	*WQCR 'High'or 'Very High' (# crossings)*	*WQCR 'Medium' (# crossings)*	*WQCR 'Low' or 'Very Low' (# crossings)*	*WQCR 'None' (# crossings)*	*Total (#)*	*%crossings rated 'High'*
All combined	0	1	13	10	24	**0**

The following photos are included to give the reader an impression of what 'high' and 'low' Water Quality Concern Ratings may relate to in the field. Figure 11 is an example of a crossing rated 'high'. Sites assessed soon after deactivation often look like this and can require further application of reclamation seed to lower the concern rating. Incorporating pieces of woody debris along the exposed soil surfaces can further reduce risk of soil erosion and sediment delivery, but can interfere with recreation traffic if excessive.

[18] 2010 SFMP target revised to annual measurement from three year rolling average of 2004 SFMP

Figure 11: Example of a crossing with a '*High*' Water Quality Concern Rating

Figure 12 is an example of a crossing rated 'low'. Abundant reclamation mix and natural vegetation has colonized soil exposures and lowered the risk of soil erosion and sediment delivery to waterbodies.

Figure 12: Example of a crossing with a '*Low*' Water Quality Concern Rating

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions proposed to this indicator.

3.36. PROTECTION OF STREAMBANKS AND RIPARIAN VALUES ON SMALL STREAMS

Indicator Statement	Target Statement
The number of annual non-conformances to SLP measures related to protecting stream bank, stream channel stability and riparian vegetation from harvesting or silviculture activities.	No non-conformances to SLP measures related to protecting stream bank, stream channel stability and riparian vegetation from harvesting or silviculture activities.
SFM Objective: Maintenance of water quality	
Linkage to FSJPPR: For the purposes of Section 42 of the FSJPPR this indicator statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the landscape level strategies.	

Acceptable Variance:

The maximum allowable variance is one non-conformance per Managing Participant annually.

CURRENT STATUS AND COMMENTS

A review of BCTS incidents related to SLP measures to protect stream bank, stream channel stability and riparian vegetation on small streams due to harvesting or silviculture activities from April 1, 2016 to March 31, 2017 indicated that there was one non-conformance to SLP measures during that period of time. A skidder pulling a donaren mounder started down one part of a S4 streambank to cross the stream to do work on another portion of the block causing damage the streambank. See the Compliance Summary in Appendix 6 for a description of the incident.

A review of Canfor incidents related to SLP measures to protect stream bank, stream channel stability and riparian vegetation on small streams due to harvesting or silviculture activities from April 1, 2016 to March 31, 2017 indicated that there were no instances of non-conformance to SLP measures during that reporting period.

A variance of one non-conformance per participant is allowed annually. There was 1 participant non-conformance; therefore the participants are in conformance with the target for this indicator.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

None proposed.

3.37. SPILLS ENTERING WATERBODIES

Indicator Statement	Target Statement
Number of spills of a reportable substance (i.e. antifreeze, diesel fuel, gasoline, greases, hydraulic oil, lubricating oil, methyl hydrate, paints and paint thinners, solvents, pesticides, and explosives) entering water bodies.	Zero spills entering water bodies
SFM Objective: Maintenance of water quality	
Linkage to FSJPPR: N/A	

Acceptable Variance:

None.

CURRENT STATUS AND COMMENTS

A review of the Participant's Incident Tracking Systems (ITS) incidents indicate that the licensee participants as well as BCTS, had no spills of a reportable substance that entered water bodies during the 2016-17 reporting period.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

None.

3.38. CARBON SEQUESTRATION RATE

Indicator Statement	Target Statement
Maintenance of DFA average carbon sequestration rates.	Maintain DFA average carbon sequestration rates that are consistent with or greater than natural sequestration rates.
SFM Objective: Maintenance of the processes for carbon uptake and storage	
Linkage to FSJPPR: N/A	

Acceptable Variance:

No decline lower than the natural disturbance sequestration rate as modeled in support of this indicator is acceptable.

CURRENT STATUS AND COMMENTS

There have been no changes in the status of this indicator since the development of SFMP#1.

The strategy to manage sequestration rates is through prompt reforestation (section 3.30) and maintaining acceptable levels of stocking over the landscape on previously harvested and regenerated sites (section 3.29). The participants are in conformance with the requirements of indicators 29 and 30 (conifer and deciduous establishment).

Updating of the carbon sequestration rates for the DFA will be initiated provided that a revised carbon budget modeling analysis, which is expected to be a component of the current MFLNRORD timber supply analysis, is actually completed by the MFLNRORD.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions planned for this indicator.

3.39. ECOSYSTEM CARBON STORAGE

Indicator Statement	Target Statement
The percentage of ecosystem carbon stored in the Fort St. John DFA relative to projected natural levels.	Maintain ecosystem carbon storage at a minimum of 95% of projected natural storage levels.
SFM Objective: Maintenance of the processes for carbon uptake and storage	
Linkage to FSJPPR: N/A	

Acceptable Variance:

No acceptable variance.

CURRENT STATUS AND COMMENTS

There have been no changes in the status of this indicator since the development of SFMP#1. The strategy to manage carbon storage is through prompt reforestation (section 3.30) and maintaining acceptable levels of stocking over the landscape on previously harvested and regenerated sites (section 3.29) and adherence to cut control requirements (section 3.53) which will sustain the long term harvest level for the DFA (section 31). The participants are in conformance with the requirements of indicators 29, 30 (deciduous and coniferous establishment delay), 31 and 53.

Updating of the natural carbon storage levels for the DFA will be initiated provided that a revised carbon budget modeling analysis, which is expected to be a component of the current MFLNRORD timber supply analysis, is actually completed by the MFLNRORD.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions planned for this indicator

3.40. COORDINATED DEVELOPMENTS

Indicator Statement	Target Statement
Number of coordinated developments	Report annually the number of proposed coordinated developments that occurred.
SFM Objective: Foster inter-industry cooperation to minimize conversion of forested lands to non-forest conditions	
Linkage to FSJPPR: N/A	

Acceptable Variance:

The opportunities for coordinated development will fluctuate annually based on the overall activity of the oil and gas industry as well as the proximity of operations to one another. Any amount of coordinated development on the basis of making participants' plans readily available will be viewed as a positive step in reducing the conversion of forested lands to non-forest conditions. No variance is necessary, as the target is to report out on coordinated activities that occurred between the industries.

CURRENT STATUS AND COMMENTS

Following is a summary of proposed changes to activities related to coordinating development between licensee participants and the oil and gas industry between April 1, 2016 and March 31, 2017.

Canfor received 159 referrals of Oil and Gas activities. While many of the referrals already had measures proposed to minimize impacts on forestland, forest licensees did make recommendations on multiple projects.

- 3 separate requests to alter plans to prevent impacts to WTP's, riparian areas, specific wildlife features, streams and NCD's were made by Canfor.
- 5 requests to maintain access beyond Oil and Gas activities
- 1 case where companies were asked to utilize existing access as opposed to building new roads for proposed projects.
- 1 request to rehabilitate forestry roads where oil and gas development has built superior roads to the same location.

Canfor provided oil and gas companies with a total of 210 road use agreements for use of Canfor roads. Oil and gas companies consequently provided a number of road use agreements for thier roads to Canfor. In most of the referrals received, planned access to the propsed oil and gas development had considered information from the Participant's Forest Operations Schedule.

Following is a summary of proposed changes to activities related to coordinating development between BCTS and the oil and gas industry.

BCTS received 25 oil and gas referrals between April 1, 2016 and March 31, 2017. Of the 25 referrals BCTS received, there were 9 proposed changes. The changes consisted of the following:

- The recommended moving of pipelines, well sites, decking sites and work spaces to a location outside of the BCTS block. – 5 referral replies.
- The recommendation that the particular Timber Sale affected will be remapped due to planned oil/gas activity within the sale. – 4 referral replies.

The other referrals had very little or no impact to BCTS blocks and required minor or no change to the proposed oil and gas activity.

Most of the referrals from the oil/gas industry appeared to have utilized the FOS maps provided to the industry. In doing so our BCTS planned and/or developed infrastructure was considered.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions planned for this indicator.

3.41. RANGE ACTION PLANS

Indicator Statement	Target Statement
Percent consistency with mutually agreed upon action plans for range	Operations 100% consistent with resultant range action plans
SFM Objective: Provide opportunities for a feasible mix of timber, recreational activities, and non-timber commercial activities	
Linkage to FSJPPR: N/A	

Acceptable Variance:

Variances are permissible only on reaching mutual agreement between the affected range tenure holder and Participant.

CURRENT STATUS AND COMMENTS

There were no new Timber Range Action Plans (TRAPS) completed and signed between Canfor and range tenure holders during the reporting period

There were no new Timber Range Action Plans (TRAPS) completed and signed between BC Timber Sales and range tenure holders during the reporting period

Participants' operations were 100% consistent with mutually agreed upon action plans due during the reporting period, regarding range tenures.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no proposed revisions to this indicator or the target.

3.42. DAMAGE TO RANGE IMPROVEMENTS

Indicator Statement	Target Statement
Number of range improvements damaged by Participants' activities.	Zero range improvements damaged by Participants' activities.
SFM Objective: Provide opportunities for a feasible mix of timber, recreational activities, and non-timber commercial activities	
Linkage to FSJPPR: For the purposes of Section 42 of the FSJPPR this indictor statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the landscape level strategies.	

Acceptable Variance:

Temporary removal or alteration of a range improvement to enable short-term forestry activities to proceed is permissible. However, repairs to or replacement of improvements must be completed in less than one year from the time they were damaged. The indicator target would not apply if a Participant can implement alternative mitigation measures to the satisfaction of the range tenure holder.

CURRENT STATUS AND COMMENTS

Table 20: Follow up of Range Improvement issues identified in 2015-16 Annual Report

Range Tenure(s)	COPI action reference	Nature of damage	Resolution
n/a	n/a	n/a	n/a

Table 21: Range Improvement damaged during 2016-17 Annual Report Period

Range Tenure(s)	COPI action reference	Nature of damage	Resolution
n/a	n/a	n/a	n/a

During the reporting period Canfor did not incur any instances whereby a range improvement was damaged

During the reporting period BCTS did not incur any instances whereby a range improvement was damaged

Target Achieved	
✓ **Yes**	**No**

REVISIONS
There are no proposed revisions to this indicator or the target.

3.43. RECREATION SITES

Indicator Statement	Target Statement
The number of recreation sites maintained by Participants	Participants will maintain a minimum of one recreational site within the DFA
SFM Objective: Provide opportunities for a feasible mix of timber, recreational activities, and non-timber commercial activities	
Linkage to FSJPPR: N/A	

Acceptable Variance:

No less than the target.

CURRENT STATUS AND COMMENTS

During the reporting period Canfor continued maintenance of the Crying Girl Prairie campsite, utilizing a local contractor to provide site cleanup, outhouse cleaning, and garbage disposal.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no proposed revisions to this indicator or the target.

3.44. VISUAL QUALITY OBJECTIVES

Indicator Statement	Target Statement
Consistency with Visual Quality Objectives (VQO's)	Pilot participants' forest operations will be consistent with the established VQO's
SFM Objective: Provide opportunities for a feasible mix of timber, recreational activities, and non-timber commercial activities	
Linkage to FSJPPR: For the purposes of Section 42 of the FSJPPR this indictor statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the landscape level strategies.	

Acceptable Variance:

A variance to the requirement for consistency with established VQO's, where approved by the District Manager, is permitted on a site-specific basis, where required to address risks to resource values or safety issues (e.g. fire salvage, sanitation harvesting for forest pest control), as identified in a SLP. A rationale will be prepared by a professional forester, and must specify the reasons for the variance and the measures that will be implemented to address the resource value at risk and mitigate impacts on the visual resource.

CURRENT STATUS AND COMMENTS

The SFMP strategy directing the timing of visual quality assessments specifies that post harvest reviews of harvested areas that fall within visually sensitive landscapes will be completed no later than December 31 of the following year after harvesting is completed (e.g. if logging is finished in November of 2015, the post harvest assessment must be done by December 31, 2016).

For the 2016/17 reporting period, Canfor assessed the blocks where havesting was completed prior to 2015 and found 15 blocks that fell into visual quality objective polygons and would require VQO assessments during the reporting period. No variances were approved by MFLNRORD which would have waived the requirement to complete a post harvest Visual Quality Assessment. Therefore, all 15 post harvest visual quality assessments were required to be completed. Ten of these blocks had assessments completed and were found to have met the visual quality objectives for the polygon. Five blocks were not assessed prior to the end of 2016. The blocks are 01200, 01199, 01002, 01162, and 01161. These blocks will be assessed before the end of 2017 and if any do not meet the VQO objective, they will be reported in the 2017/18 annual report.

Block 03098 was a Canfor block that had not had a VQO assessment completed prior to completion of the 15/16 annual report. After completion of the visual impact assessment, it was determined that block 03098 met the VQ objectives.

Canfor is therefore in conformance with the target for this indicator.

For the 2016/17 reporting period, BCTS had 3 blocks that fell within area requiring management of Visual Quality Objectives. There were no variances approved by the MFLNRORD for the requirement to achieve the Visual Quality Objectives, which would have waived the requirement to complete a post-harvest Visual Quality Assessment. Therefore 3 post-harvest visual quality assessments were required to be completed. The Visual Quality Objectives were met on all three blocks.

On this basis, the objective is met.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no proposed revisions to this indicator.

3.45. RECREATION OPPORTUNITY SPECTRUM

Indicator Statement	Target Statement
Area in primitive and semi-primitive non-motorized classifications of the Recreation Opportunity Spectrum (ROS) for the Graham, Sikanni, and Crying Girl LU's.	A minimum of 65,839 ha in primitive ROS area (100% of 1996 primitive ROS area) and 180,726 ha in semi primitive non-motorized ROS area (50% of the 1996 total semi primitive NM ROS area) in the combined Graham, Crying Girl and Sikanni LU's (excluding the Graham Laurier and Redfern-Keily PA's).
SFM Objective: Provide opportunities for a feasible mix of timber, recreational activities and non-timber commercial activities	
Linkage to FSJPPR: For the purposes of Section 42 of the FSJPPR this indictor statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the landscape level strategies.	

Acceptable Variance:

The primitive Recreation Opportunity Spectrum (ROS) percentage for the B-H-C may fluctuate over time as roads are constructed and permanently deactivated to retain the percentage at 1996 levels. At any given time the primitive ROS percentage may decrease down to 10% on a

temporary basis until such time as the constructed forest roads are permanently deactivated and the primitive classification is restored.

There is no variance necessary for the remaining RMZ's.

CURRENT STATUS AND COMMENTS

During development of the FOS#2, the FOS was analyzed to project the potential impact on the ROS targeted percentages; all of proposed development was consistent with the SFMP ROS targets. Many of the blocks proposed by FOS# 1 for harvest in the Crying Girl and Graham RMZs have not been harvested and no new activities were proposed in FOS #2.

The following table identifies the condition of the recreation opportunity spectrum expected upon the completion of all harvest operations in FOS# 2. In the event that the FOS is amended to include new block or road area that may impact the Participants' performance to this indicator, the ROS analysis will be redone to determine the potential impact.

Table 22: Projection of Changes to ROS Class from 1996 to 2016

Crying Girl Graham & Sikanni LU	ROS Class Projection to 2016- After Modeling Impact of Proposed Development in 2010 FOS											
	Primitive		Semi Primitive Non-Motorized		Semi Primitive Motorized		Roaded		Urban/ Agriculture		Total Area	Total %
	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	(ha)	
Total 1996 ha	65,839	12.1%	361,451	66.2%	116,090	21.3%	269	0.0%	2287	0.4%	545,936	100.0%
Total 2010 Projected ha (from 2004 FOS)	65,839	12.1%	344,488	63.1%	133,056	24.4%	269	0.0%	2,287	0.4%	545,939	100.0%
2010 SMFP Target	**65,839**		**180,726**		**NA**		**NA**		**NA**		**NA**	

Table 20 summarizes the projected ROS condition presented in FOS# 2. It should be noted that FOS# 2 included developments proposed in the Crying Girl and the Graham landscape units. The proposed development of FOS# 2 was found to be consistent with the SFMP ROS targets.

No logging occurred in this area between 2008 and April 1, 2017. The current status remains consistent with the target range for this indicator.

As the minimum targets of 65,839 ha in primitive ROS area (100% of 1996 primitive ROS area) and 180,726 ha in semi primitive non-motorized ROS area have been identified to be maintained through completion of harvesting of all blocks in FOS# 2, the participants are therefore in conformance with the target for this indicator.

Target Achieved	
✓ **Yes**	**No**

REVISIONS
There are no proposed revisions to this indicator or the target.

3.46. ACTIONS ADDRESSING GUIDES, TRAPPERS AND OTHER INTERESTS

Indicator Statement	Target Statement
Percentage of operations consistent with mutually agreed upon action plans for guides, trappers and other known non-timber commercial interests.	100% of operations will be consistent with action plans for guides, trappers and other non-timber commercial interests.
SFM Objective: Provide opportunities for a feasible mix of timber, recreational activities and non-timber commercial activities	
Linkage to FSJPPR: N/A	

Acceptable Variance:
Variances are permissible only on reaching mutual agreement between the affected tenure holders and Participant.

CURRENT STATUS AND COMMENTS
During the reporting period of April 1, 2016 to March 31, 2017 there were no Licensee operations conducted in areas where mutually agreed upon action plans were required to be prepared with guides, trappers or other non-commercial timber interests.

During the reporting period of April 1, 2016 to March 31, 2017 there was no BCTS operations conducted in areas where previously mutually agreed upon action plans were prepared with guides, trappers or other non-commercial timber interests.

Target Achieved	
✓ **Yes**	**No**

REVISIONS
There are no proposed revisions to this indicator or the target.

3.47. TIMBER PROCESSED IN THE DFA

Indicator Statement	Target Statement
Volume of timber processed in the DFA in proportion to volume harvested in the DFA	The annual equivalent of a minimum of 70% of the DFA's harvest is primary processed in the DFA[19]
SFM Objective: Viable timber processing facilities in the DFA	
Linkage to FSJPPR: N/A	

Acceptable Variance:

[19] Indicator as revised in Oct 30,2005 submission of 2004-2005 Annual Report

An acceptable negative variance of 5% (i.e. a minimum of 65% of the harvest processed in the DFA) is permissible. This target level and variance is necessary to account for timber harvested within the DFA that is not directly harvested by the Participants thus having less control as to its final processing destination.

CURRENT STATUS AND COMMENTS

The following table outlines the volume of timber processed in the DFA in proportion to the entire volume of timber harvested in the DFA up to and including March 31, 2017.

Table 23: Proportion of Total Volume Locally Processed

	Total Scaled Volume of Timber Delivered to Local Processing Plants (m^3)	(a) Total Scaled Volume of Timber Originating Within the DFA (m^3)	(b) Total Volume of Timber Originating Within the DFA Processed within the DFA (m^3)	(b/a) % of Total DFA Volume Processed Locally
Conifer volume (m^3)	1,117,399	1,040,398	1,035,777	99.6
Deciduous volume (m^3)	942,130	757,513	757,513	100%
All	**2,059,529**	**1,797,911**	**1,793,290**	**99.7%**

The above quoted volumes include woodlot and private wood, but exclude oil and gas salvage since the originating Timber Supply Area cannot be confirmed for salvage wood deliveries. Also excluded from the TSA delivery totals were deliveries from Alberta and the Dawson Creek Timber Supply Area, which include 'Site C' salvage volumes.

The majority of the timber harvested in the DFA was processed at facilities within the DFA (99.7%).

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no proposed revisions to this indicator or the target.

3.48. SUMMER AND FALL VOLUMES

Indicator Statement	Target Statement
Volume of timber (m^3) delivered annually to wood processing facilities within the Fort St. John Defined Forest Area (DFA) wood processing facilities between May 1st and November 30th	Minimum of 100,000 m^3 to conifer mills in the DFA Minimum of 185,000 m^3 to deciduous mills in the DFA
SFM Objective: Maintain viable timber processing facilities in the DFA	
Linkage to FSJPPR: N/A	

Acceptable Variance:
The target volumes assume planned production levels are achieved at the local mills. Allowable variances for the minimum acceptable deliveries may be reduced proportionally for the number of actual operating weeks, divided by the normal fifty operating weeks of the facilities per year.

CURRENT STATUS AND COMMENTS

Between May 1st, 2016 and November 30th, 2016, a total of 440,286 m^3 were delivered to the Fort St. John sawmill, and a total of 420,272 m^3 were delivered to the deciduous manufacturing facility to support continuing operations throughout the summer and fall. The total volumes delivered exceed the minimum volumes required to meet the target.

Target Achieved	
✓ **Yes**	**No**

REVISIONS
There are no proposed revisions to this indicator or the target.

3.49. FOREST HEALTH FOS PLANNING [20]

Indicator Statement	Target Statement
Percentage of new conifer-leading harvest blocks in the 2010 Forest Operations Schedule that are pine-leading.	A minimum of 60% of new conifer-leading harvest blocks in the 2010 FOS will be pine-leading.
SFM Objective: Maintain or enhance landscape level productivity Maintain a natural range of variability in ecosystem function, composition and structure which allows ecosystems to recover from disturbance	
Linkage to *FSJPPR*: For the purposes of Section 42 of the *FSJPPR* this indicator statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the Forest Health Management Landscape Level Strategy.	

Acceptable Variance:
A 10% variance (i.e. minimum of 50% new conifer leading blocks in the 2010 FOS will be pine leading) is required in the event some FOS proposed blocks are dropped prior to submission of the final FOS due to public input during or after the public review and comment period.

CURRENT STATUS AND COMMENTS

There were 626 new conifer-leading blocks included in the second Forest Operations Schedule for the Fort St. John Pilot Project area. Of those, 344 blocks (55%) were pine-leading. The participants are consistent with the target for this indicator, within the bounds of the acceptable variance.

Target Achieved	
✓ **Yes**	**No**

[20] New indicator in 2010- previous # 49 in SFMP # 1 was Harvest Systems which has been deleted

REVISIONS
There are no proposed revisions to this indicator or the target.

3.50. COORDINATION[21]

Indicator Statement	Target Statement
Percentages of SFMP's and FOS's jointly prepared by the Participants	100% of all SFMP's and FOS's will be jointly prepared by the Participants
SFM Objective: Maintain viable timber processing facilities in the DFA	
Linkage to *FSJPPR*: For the purposes of Section 42 of the *FSJPPR* this indicator statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the Timber Harvesting Landscape Level Strategy	

Acceptable Variance:
May exclude new Participants that join the Pilot Project and can be assigned blocks from an existing plan, or Participants that are not required to complete a plan (e.g. TSL holders).

CURRENT STATUS AND COMMENTS
There were 31 amendments to the FOS during the reporting year, three requiring public review and comment (amendment 252, 254 & 256) and the balance not requiring public review. FOS amendments continue to be coordinated through a mutual notification protocol. The participants were consistent in following the established amendment procedures, pertaining to ensuring that all participants are aware of, or are involved in, amendments to the FOS.

Target Achieved	
✓ **Yes**	**No**

REVISIONS
There are no revisions to this indicator and target.

3.51. TIMBER PROFILE-DECIDUOUS[22]

Indicator Statement	Target Statement
The area (ha) of deciduous-leading cutblocks identified in Supply Block F for harvest during the term of the SFMP.	A minimum of 200 ha of deciduous-leading cutblocks located in Supply Block F will be identified for harvest during the term of the new SFMP.
SFM Objective: No decrease in the LTHL in the DFA	
Linkage to *FSJPPR*: For the purposes of Section 42 of the *FSJPPR* this indicator statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the Timber Harvesting Landscape Level Strategy.	

Acceptable Variance:
None.

[21] The indicator was made a legal indicator in SFMP#2 to emphasize the commitment to coordinated planning by the Participants
[22] New indicator in 2010 SFMP. Previous Indicator # 51 in SFMP # 1 was 'Utilization' which has been dropped

CURRENT STATUS AND COMMENTS

To date there has been no harvesting in deciduous-leading cutblocks located in Supply Block F. During the development of Forest Operations Schedule #2, a substantial amount of deciduous-leading area was identified for harvest in Supply Block F – over 3,900 ha. The following table presents a summary by block.

Table 24: Supply Block F Deciduous Leading Stand Proposed Harvest Area

BLOCK ID	At %	Ac%	Pl %	S %	Bl %	Gross Area (ha)
14011	90	0	2	8	0	103.7
14012	60	0	20	20	0	172.5
41024	75	0	0	25	0	18.5
41025	75	0	0	25	0	2.6
41026	75	0	0	25	0	6.7
41030	85	5	0	10	0	25.7
41035	63	3	22	12	0	422.9
41040	58	0	18	24	0	266.2
41044	89	0	11	0	0	245.4
41053	51	18	27	4	0	112.9
41054	48	6	31	15	0	80.9
41055	94	0	3	3	0	241.7
41059	63	0	37	0	0	275.9
41062	54	0	0	46	0	290.8
41068	63	0	2	35	0	409.1
41070	90	0	5	5	0	136.7
50001	68	12	0	20	0	75.9
50002	95	0	0	5	0	20.9
50003	95	0	0	5	0	80.2
50004	60	10	3	27	0	169.7
50005	60	10	3	27	0	37.7
50007	95	0	0	5	0	38.3
50008	90	0	0	10	0	25.5
50009	90	0	0	10	0	17.5
50010	70	10	5	10	5	84.5
50011	90	0	0	10	0	4.4
50012	88	0	0	12	0	7.6
50013	80	10	2	8	0	57.6
50014	90	0	0	10	0	4.7
50015	70	10	0	20	0	10.7
50016	70	10	0	20	0	123.9
50017	70	10	0	20	0	49.3
50018	80	10	5	5	0	107.5
50020	90	0	0	10	0	17.5
50022	90	0	0	10	0	17.0
50023	90	0	0	10	0	7.0
50025	75	0	0	25	0	19.9
50026	90	0	2	8	0	114.2
TOTAL						**3903.5**

As noted in the above table, a total of 3,903.5 ha of deciduous-leading stands have been identified in Supply Block F.

Target Achieved	
✓ Yes	No

REVISIONS

There are no revisions proposed for this indicator.

3.52. TIMBER PROFILE-CONIFER

Indicator Statement	Target Statement
The percentage of the total cutblock area in harvested blocks that was identified as preharvest height-class two pine inventory types	April 1, 2006 - March 31, 2011: 8% or more of the total coniferous cutblock area harvested by managing Participants during the 5-year period will be in height-class two pine inventory types. April 1, 2011- March 31, 2016: 8% or more of the total coniferous cutblock area harvested by managing Participants during the 5-year period will be in height-class two pine inventory types.
SFM Objective: No decrease in the LTHL in the DFA	
Linkage to FSJPPR: For the purposes of Section 42 of the FSJPPR this indicator statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the landscape level strategies.	

Acceptable Variance:

April 1st, 2006-March 31st, 2011: Allowable minimum reduced to 0% for this five-year period to provide flexibility to address urgent forest health issues.

April 1st, 2011-March 31st, 2016: Allowable Minimum 0%. This indicator is to be reviewed after the next TSR to ensure relevance to the new TSR.

The shift in harvesting directed at Mountain Pine Beetle (MPB) infested or "at risk" stands is expected to continue for the next few years. The impacts on mid-term AAC sustainability in the TSA are likely to be less if harvesting and subsequent reforestation activities are directed towards the currently infested MPB areas, (which tend to be in larger diameter mixed pine/spruce stands) and away from lower risk, smaller diameter pine stands (i.e. Height-class two pine polygons).

CURRENT STATUS AND COMMENTS

The indicator target is based on a 5-year summation of harvesting in height-class 2 pine stands. The third five-year period commenced in April of 2011, and the second reporting period concludes in March of 2016.

The following table was included in the 2015/16 Annual Report to summarize the area of height-class 2 pine harvested over the conifer block area only.

Table 25: Height-class 2 Pine area harvested 2011-2016

Annual Report Period	Conifer Cutblock Merch Area - Canfor (ha)	Height class II Pine area - Canfor (ha)	Conifer Cutblock Merch Area - BCTS (ha)	Height class II Pine area - BCTS (ha)	Height class II Pine area (%)
2011/12	2116.4	6.5	474.6	0	0.3%
2012/13	2715.7	9.5	318.9	0	0.3%
2013/14	2825.9	119.9	446.0	0	3.7%
2014/15	2357.8	42.9	1252.8	66.5	3.0%
2015/16	3527.1	10.8	1695.1	102.6	2.2%
Total	13542.9	189.6	4187.4	169.1	2.0%

As this indicator has been carried over in the proposed SFMP III, the 2016/17 results are reported below.

Table 26: Height-class 2 Pine area harvested 2016/17

Annual Report Period	Conifer Cutblock Merch Area - Canfor (ha)	Height class II Pine area - Canfor (ha)	Conifer Cutblock Merch Area - BCTS (ha)	Height class II Pine area - BCTS (ha)	Height class II Pine area (%)
2016/17	3478.7	14.6	980.8	15.2	0.7%
Total	3478.7	14.6	980.8	15.2	0.7%

Due to improved inventory typing (VRI), it is expected that the next Timber Supply Review (TSR III), will better define the merchantable pine stands from the non-merchantable stands that the old inventory had lumped together under height-class-two pine. As a consequence, it would be prudent to review this indicator's relevance to sustainability of the harvest levels at that time.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions proposed for this indicator at this time.

3.53. CUT CONTROL

Indicator Statement	Target Statement
Percentage of total Allowable Annual Cut (AAC) charged to licensee tenure holders or BCTS Participants during the term of the SFMP.	Jan 1 2010- Dec 31 2016: Industry Participants: -Not to exceed 110% of the combined cumulative coniferous AAC for the 6 year period -Not to exceed 110% of the combined cumulative deciduous AAC for the 6 year period BCTS Participant: -Not to exceed 110% of the combined cumulative coniferous commitment offered for sale for the 6 year period -Not to exceed 110% of the combined cumulative deciduous commitment offered for sale for the 6 year period
SFM Objective: No decrease in the Long Term Harvest Level (LTHL) in the Defined Forest Area (DFA)	
Linkage to FSJPPR: N/A	

Acceptable Variance:

None, however the actual volume permissible to be harvested may be adjusted through time if additional licenses are awarded to Participants to address past undercuts, or changes made by the Chief Forester to the approved AAC for the TSA .

CURRENT STATUS AND COMMENTS

The following tables identify the volume harvested by the Participants during the monitoring period established for this indicator.

Table 27: Licensee Conifer License AAC

License	AAC (m^3)	Planning Period cumulative volume AAC (m^3)	Volume Harvested by Calendar Year (m^3)							Total Volume Harvested (m^3)
			2010	2011	2012	2013	2014	2015	2016	
Canfor A18154	394,952	2,764,664	403,541	495,464	516,174	-99,892	459,692	362,154	554,418	**2,691,551**
DZ A56771	150,000	1,050,000	0	0	33,774	716,226	155,131	192,162	187,250	**1,284,543**
CRL A59959	70,000	490,000	26,286	54,783	133,031	20,582	50,143	85,209	59,223	**429,257**
Tembec A60972	83,494	584,458	71,267	68,879	21,292	49,958	143,334	24,719	55,332	**434,781**
Total	**698,446**	**4,889,122**	501,094	619,126	704,271	686,874	808,300	664,244	856,223	**4,840,132**
Maximum Cumulative AAC (m^3)			**5,378,034**							

Maximum cumulative AAC = 110% of cumulative AAC

Table 28: Licensee Deciduous License AAC

License	AAC (m^3)	Planning Period cumulative volume AAC (m^3)	Volume Harvested by Calendar Year (m^3)							Total Volume Harvested (m^3)
			2010	2011	2012	2013	2014	2015	2016	
LP A60049	193,000	1,351,000	79,325	103,496	173,997	144,958	98,172	79,581	246,022	**925,551**
LP A60050*	119,300	835,100	52,168	86,407	n/a	n/a	n/a	n/a	n/a	**138,575**
PVOSB A85946	150,000	1,050,000	0	0	0	273,217	98,611	182,495	89,401	**643,724**
Canfor / LP PA 12 & 20**	500,000	3,500,000	246,635	196,926	342,648	244,194	91,902	42,793	29,771	**1,194,869**
Total	**962,300**	**6,736,100**	**378,128**	**386,829**	**516,645**	**662,369**	**288,685**	**304,869**	**365,194**	**2,902,719**
Maximum Cumulative AAC (m^3)			**7,409,710**							
**A60050 expired Dec 31, 2011* ***In 2013 PA 12 was subdivided creating PA 20. Combined AAC of the 2 PAs remains unchanged at 500,000 m3.* Maximum cumulative AAC = 110% of cumulative AAC										

The tables above reflect adjusted volumes found in the most recent cut control statements. Annual adjustments can occur in each licence. Therefore, volumes reported in the annual report may not reflect previous annual reports.

Table 29: BCTS Volume Allotment

Species	AAC (m^3)	Planning Period cumulative volume commitment offered for sale (m^3)	Volume Offerd for Sale by Calendar Year (m^3)							Total Volume Offered (m^3)
			2010	2011	2012	2013	2014	2015	2016	
Conifer	372,059	2,604,413	341,222	233,819	233,872	349,479	341,607	370,824	443,210	**2,314,033**
Deciduous	180,000	1,260,000	73,783	109,335	32,327	0	238,197	106,411	60,245	**620,298**
Maximum cumulative coniferous AAC			**2,864,854**							
Maximum cumulative deciduous AAC			**1,386,000**							
	Maximum cumulative AAC = 110% of cumulative AAC									

The annual BCTS coniferous allotment in 2016/17 was 372,059 m^3. Between April 1, 2016 and March 31, 2017, BC Timber Sales offered 443,210 m^3 (119.1%) of the annual allocation. Of the 443,210 m^3 offered, 15 TSL's with a volume of 443,210 m^3 sold.

The annual BCTS deciduous allotment in 2016/17 was 220,000 m^3. Between April 1, 2016 and March 31, 2017, BC Timber Sales offered 60,245 m3 (33.5%) of the annual allocation. Of the 60,245 m3 offered, two TSL's with a volume of 60,245 m3 sold.

2010 represented the first year of this cumulative cut review period, which concluded December 31, 2016.

To date of this annual report, the participants' activities are consistent with the indicator and target.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions proposed for this indicator at this time.

3.54. DOLLARS SPENT LOCALLY ON EACH WOODLANDS PHASE

Indicator Statement	Target Statement
Percentage of dollars spent locally on each woodlands phase in proportion to total expenditures	Woodlands Phases to be monitored: Logging/hauling: minimum of 80% Road construction/maintenance: minimum of 80% Silviculture: minimum of 5% Planning and administration: minimum of 50%
SFM Objective: Diverse local forest employment opportunities exist in the DFA	
Linkage to FSJPPR: N/A	

Acceptable Variance:

A 10% variance to the minimum target (e.g. logging/hauling 10% lower than 80%= 72% of costs) is required for each identified woodlands phase, as the dollars to be spent fluctuate annually, depending on the amount of harvesting completed that year.

CURRENT STATUS AND COMMENTS

The following table outlines local expenditures by woodlands phase, and performance of the participants relative to the targets for this reporting period.

Table 30: Dollars Spent Locally by Woodlands Phase - 2016

Woodlands Phase	Total dollars expended $	Total dollars spent locally $	Local %	Indicator target
Logging and Hauling	65,721,374	54,018,183	82.2	80%
Reforestation	3,517,236	299,658	8.5	5%
Road construction and Maintenance	5,533,356	4,647,252	84.0	80%
Planning and Administration	11,466,801	7,721,106	67.3	50%
Total	86,238,767	66,686,200	77.3	

The percentage of dollars spent locally met targets for all phases. Approximately 77% of all expenditures were made locally.

It should be noted that BCTS costs for this indicator refer to April 1, 2016-March 31, 2017, while other participant's costs are based on calendar year reports due to reporting limitations. This is consistent with previous annual reports for this indicator.

The participants' activities are consistent with 4 of the 4 targets associated with the indicator.

Target Achieved	
✓ **Yes**	**No**

REVISIONS:

The reforestation spend target was amended to 5% for the 2012 reporting year. This change became effective April 1, 2012.

3.55. DIRECT AND INDIRECT EMPLOYMENT

Indicator Statement	Target Statement
Level of direct and indirect employment.	Report the current level of direct and indirect employment expressed as a factor of harvest level times employment multiplier.
SFM Objective: Diverse local forest employment opportunities exist in the DFA	
Linkage to FSJPPR: N/A	

Acceptable Variance:

None

CURRENT STATUS AND COMMENTS

Using 2002 data from British Columbia Stats specific to the Fort St John TSA the employment multiplier is approximately 1.44 direct, indirect, and induced jobs per 1000 m^3 of harvest.

Table 31: Fort St. John TSA employment and employment coefficients

Forestry Activity	TSA employment (person years)	TSA coefficients (person-years/'000s m^3)	Provincial employment (person years)	Provincial coefficients (person-years/'000s m^3)
Harvesting	227	0.22	248	0.24
Silviculture	10	0.01	52	0.05
Processing	351	0.34	392	0.38
Total Direct	589	0.57	692	0.67
Indirect & induced	330	0.32	795	0.77
Total employment	919	0.89	1487	1.44

Note that the employment estimates are reported in person years based on average 1998-2000 employment levels and the 2016 Fort St John TSA quota harvest of 1,032,649 m^3.

2016 harvest level =1,032,649 m^3 deciduous and coniferous combined (D=356,519 m^3 C=676,130 m^3)

Target Achieved	
✓ **Yes**	**No**

REVISIONS

Indicator and target were revised for the 2012 reporting year. This change became effective April 1, 2012.

3.56. MAINTENANCE OF WILDLIFE AND FISHERIES HABITAT VALUES

Indicator Statement	Target Statement
Conformance to the SFMP indicators and targets pertinent to the maintenance of wildlife and fisheries habitat.	Participants will conform to the identified SFMP indicators and targets pertinent to the maintenance of wildlife and fisheries habitat.
SFM Objective: Recognition of Treaty 8 rights and respect of aboriginal rights through maintenance of landscape level biodiversity	
Linkage to FSJPPR: N/A	

Acceptable Variance:

Variances provided in the specific indicators will apply.

CURRENT STATUS AND COMMENTS

During the period of April 1, 2016 to March 31, 2017 the participants conformed to 6 of 7 (85.6%) of the Ecosystem Diversity and Species Diversity indicators, targets and acceptable variances.

The participants conformed to 4 of 4 (100%) of the Water Quality and Quantity indicators, targets and acceptable variances during this period.

Target Achieved	
Yes	✓ **No**

REVISIONS

There are no revisions proposed for this indicator at this time.

3.57. NUMBER OF KNOWN VALUES AND USES ADDRESSED IN OPERATIONAL PLANNING

Indicator Statement	Target Statement
Percentage of known traditional site-specific aboriginal values and uses identified that are addressed in operational plans	100% of known traditional site-specific aboriginal values and uses identified will be addressed in operational plans
SFM Objective: Respect known traditional aboriginal forest values and uses	
Linkage to FSJPPR: N/A	

Acceptable Variance: None

CURRENT STATUS AND COMMENTS

Between April 1, 2016 and March 31, 2017, opportunity for First Nations to provide information on site-specific values to Canfor & BCTS was available through the formal processes of NIT (notice of intent to treat) communications, the FOS amendment info-sharing process as well as other formal or informal communication. Assessments by professional archaeologists are

another method used by the participants to gather information on site-specific First Nations' values.

Block plans were altered to accomodate values and interests brought to our attention by BRFN lands representatives, BRFN members, or our own staff. Block changes were made to 02192, 19026, 03095, 24328, 18054, the location of the SUP on the Beatton Airport Road was changed and a TSL was dropped from a recent sales schedule as a result of information sharing between the participants and BRFN.

HRFN wanted the Participants to manage moose in the area around the 109rd/Bernadette/Lost road systems because they felt that there was significant loss of habitat in this area. Canfor proposed strategies to manage moose (Canfor moose management stragety) and 04080 was the first trial block where some of the strategies were implemented. Canfor increased the distance from the access to the known lick, retained understory spruce and clumps of aspen. Canfor retained screening along pipelines and drainages and piled debris on the road to eliminate access. A field visit with HRFN after harvesting was completed and they were happy with the results.

Canfor honored the HRFN Critical Community Use Area (CCUA) by ensuring that cutblocks brushed within this area were treated through mechanical means only. This amounted to 110.9ha being manually treated for deciduous competition. Further to this, following consultation with BRFN Trapline holders, an additional 59ha were treated through mechanical means as well.

Following a meeting with PRFN representatives, three cutblocks within the 50km PRFN reserve zone were also dropped from the herbicide treatment plan. This was requested due to moose populations being a major concern, with the availability of browse being seen as a challenge.

Canfor commissioned 17 Archaeological Overview Assessments (AOA) which identified 44 areas of potential (AOP). From the AOA process, 3 Archeaological Impact Assessments (AIA) were commissioned. One new Archeaological site was identified from the AIAs and a number of the AOPs were verified as no arch potential.

BCTS did not receive any site specific values or use comments in response to the 2016 NIT referral distributed to local First Nations.

BCTS commissioned the completion of one archaeological assessment (AIA). No sites were discovered during this assessment.

Following the spring wildfires of 2016, BCTS quickly targeted considerable resources toward the planning, and layout of possible salvage opportunities. One of the blocks in TSL A94060 that was developed was identified by the Blueberry River Band as having a portion of the block boundary go right across a mineral lick. The TSL as a whole was only weeks away from being sold. By the time this was brought to BCTS attention it was already winter so the actual location or existence of the mineral lick could neither be confirmed nor denied. As a result, the Timber Sales Manager had little choice but to pull the TSL from the posting and the TSL was not sold. Given the short, limited timeframe for a salvage opportunity before the wood quality is deteriorated, it is likely that BCTS will write off this TSL in the end.

100% of known traditional site-specific values and uses identified were addressed in operational plans.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no proposed revisions to the indicator or the target.

3.58. REGULATORY PUBLIC REVIEW AND COMMENT PROCESSES

Indicator Statement	Target Statement
Compliance with the public review and comment process identified in the FSJ Pilot Project Regulation	100% compliance with the public review and comment processes identified in the FSJ Pilot Project Regulation
SFM Objective: To facilitate a satisfactory public participation process	
Linkage to FSJPPR: N/A	

Acceptable Variance:

No variances, unless authorized by the Regional Executive Director (MFLNRORD) or his designate.

CURRENT STATUS AND COMMENTS

During the reporting period there were three cases where the participants were required to follow formal Public Review and Comment Process identified in the *Fort St. John Pilot Project Regulation*. The licensee participants initiated three separate public reviews regarding amendments to Forest Operations Schedule.

The review and comment period for FOS amendment #252 was between June 27 and July 25, 2016. The review and comment period for FOS amendment #254 was between Sept 30 and Dec 2, 2016. The review and comment period for FOS amendment #256 was between Oct 22 and Nov 10, 2016. The amendment proposals were advertised in the Alaska Highway News, in a form acceptable the District Manager of the Ministry of Forests, Lands, and Natural Resource Operations.

The participants are consistent with the target for the Public Review and Comment requirements set out in the Fort St. John Pilot Project Regulation.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no proposed revisions to this indicator or the target.

3.59. TERMS OF REFERENCE (TOR) FOR PUBLIC PARTICIPATION PROCESSES

Indicator Statement	Target Statement
Current Terms of Reference (TOR) for the *FSJPPR* public participation process	Biennial review of the TOR for the *FSJPPR* public participation process (PAG)
SFM Objective: To facilitate a satisfactory public participation process	
Linkage to FSJPPR: N/A	

Acceptable Variance:
The TOR will be reviewed at some point every second year (in even years). Due to the timing of meetings, the TOR review may not be in the same month each year.

CURRENT STATUS AND COMMENTS
The Public Advisory Group and the Pilot Participants conducted their biennial review of the Terms of Reference during the March 8, 2016 PAG meeting.

The PAG approved an updated TOR on March 8, 2016. The complete Terms of Reference is located on the pilot project website (http://fsjpilotproject.com). The next review is scheduled for the spring meeting of 2018.

Target Achieved	
✓ **Yes**	**No**

.

REVISIONS
There are no revisions proposed for this indicator at this time.

3.60. PUBLIC INQUIRIES

Indicator Statement	Target Statement
The percentage of timely responses to Public Inquiries	Respond to 100% of public inquiries regarding Participants' forestry practices, that are additional to the Pilot Public Review and Comment processes, within one month of receipt.
SFM Objective: To facilitate a satisfactory public participation process Relevant information used in decision making process is provided to PAG, general public and affected parties	
Linkage to FSJPPR: N/A	

Acceptable Variance:
Responses will be provided to all inquiries, provided contact information is provided so that the Participants can reach the person making the inquiry.

CURRENT STATUS AND COMMENTS
The participants received ten public inquiries during the reporting period. The nature of the inquiries, and a general summary of response for each, follows below.

A range tenure holder came into the Canfor office to inquire about timing of harvesting on remaining blocks on Attachie Rd. 44062 and 44054 were to be logged that winter. The range tenure holder requested that the cattle guard at the start of the Attachie Rd be removed and just the gate remain.

Canfor met with a rancher at his ranch in Beryl Praire to view blocks 45030 and 45043. The range tenure holder felt that Canfor has excessively harvested deciduous blocks in the range area. He is not entirely opposed to harvesting, just wants to see block sizes smaller and less frequent entries.

A rancher emailed Canfor regarding two fenceline crossing locations: 05-120-03 Rd and S-10-036-00 R. Fencelines had not been repaired after winter logging completion and required considerable time to reestablish.

A landowner called and said our logging operations had displaced her survey pin that marks her property boundary on the west corner. Canfor commited to having it replaced in snow free conditions.

Trapper came into the Canfor office to discuss activites on their trapline. They told Canfor that they mainly trap in the part of the trapline North of the North Nig connector and West of the Beatton Airport road because there is very little development in that area and the trapping is still good. Canfor has 6 blocks planned for that area. They are already laid out and harvest start is scheduled for winter 2018. They are blocks 18054, 18055, 18052, 18056, 18057, 18053. They requested that Canfor walk the blocks prior to harvesting to identify any bear dens. Canfor reassured them that our field crews and contractors cover the ground inside our blocks extrodinary well and we are able to identify most wildlife features during layout and they are protected from harvesting. Canfor commited to sending maps of each of the blocks and also said Canfor would follow up in the summer to see if they wanted to walk the blocks. They realized it was too late to ask for the blocks to not be harvested. Critter piles along the block boundary were suggested for these blocks. They inquired about the business relationships and how BCTS works. They were interested in work opportunities for blocks on their trapline.

Rancher and Canfor met on block 27046 with the logging contractor to agree on range commitments to be carried out by the logging contractor, after the rancher called Canfor with concerns regarding how layout and logging was completed. The rancher was satisfied after the field visit.

Met with private land owner to discuss the use of the old Alaska Highway road (11-401Rd) that runs through the northern portion of his private land. This road would be used to access block 01180. Landowner had no issues with Canfor using this road so long as some set out conditions were met.

Trapper called Canfor office as a result of receiving road use agreement referral for Canfor requesting CNRL road use. He was concerned about the planned Siphon fire salvage blocks being in his trapline tenure. Only one block 25040 is in the tenure area and it was a carry over from FOS2010. The trapper wasn't notified through amendment 256 as this block was already info shared. Canfor spoke with the trapper and sent a map of the area. The trapper confirmed that he doesn't have any traps set up in this area and has no concerns about harvesting.

Canfor called rancher and told him harvesting will be commencing shortly. Let him know we were aware of his property. Canfor told him we took some photos for documentation of the before condition of his fence line and will monitor the condition of his fence during and after harvesting.

A trapper lost several traps the first winter Canfor logged on the Attachie Rd (2014-2015). He said they were lost as a result of the logging as he was unable to get them out before the logging started. Canfor told him he should contact us right away if this traps are impacted as several years have passed since the traps were lost. Canfor commited to sending out a three year plan map of the trapline area so he has a better idea of where the harvesting will occur.

BCTS received a call from a trapper to complain about damage to trapping boxes, traps, and snares from a logging operation last fall and winter. The locations he gave match up with blocks

on the Beryl Prairie Rd for TSL A93052. The trapper said he marked the areas with "Active Trapping" flagging tape and yet that did not prevent the damage.
Upon further investigation, it was determined that an administrative error by BCTS resulted in the wrong trapper information being given out to the Licensee. The Licensee is required to contact the trapper a minimum of 14 days before commencing harvest to ensure that the trapper has sufficient time to remove their equipment. Unfortunately the trapline had changed ownership and BCTS gave the prior holder's contact information rather than the current ones. BCTS contacted the trapper and explained the situation to him with our deepest apologies that this situation came about. Compensation was not considered nor demanded.

All inquiries received by the participants during the reporting period were responded to within 30 days; therefore, the participants are in conformance with this indicator.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions proposed for this indicator at this time. Note that inquiries related to the FOS, SFMP, or PMP received during established review and comment periods fall under indicator 58, and not measured here.

3.61. EDUCATIONAL OUTREACH

Indicator Statement	**Target Statement**
Number of people to whom information, presentations or field trips provided annually.	Minimum of 40 people provided information, presentations or field trips.
SFM Objective: Develop improved public understanding of SFM	
Linkage to FSJPPR: N/A	

Acceptable Variance:

None

CURRENT STATUS AND COMMENTS

Canfor participated with BCTS in presenting a booth at the 2016 FSJ Trade Show. Over the course of the 3 days of the show, April 7-9, the Participants answered over 38 questions on various forestry related topics. The Participants also gave out a 1,320 seedlings to people who stopped by our booth to request a seedling. On average approximately 1.5 seedlings were distributed per person. So approximately 880 people were given a seedling.

On October 12th 2016, Canfor employees acted as field workshop leaders in the 2016 Council of Forest Industries (COFI) and School District 60 (SD60) Careers in Natural Resource Management fall field camp for high school students. The sessions focused on the following

themes: soils, ecology, forest health, timber cruising, and silviculture and highlighted careers in Natural Resource Management.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions proposed for this indicator at this time.

3.62. BRUSHING PROGRAM AERIAL HERBICIDE USE

Indicator Statement	Target Statement
The number of hectares removed annually from the participants' aerial herbicide plans based on input from First Nations or the public and final treatment layout.	The participants will report annually, the number of hectares removed from the participants' aerial herbicide plans based on input from First Nations or the public and final treatment layout.
SFM Objective: Involve First Nations in review of forest management plans, provide understanding of forest management plans	
Linkage to *FSJPPR*: N/A	

Acceptable Variance:

None.

CURRENT STATUS AND COMMENTS

In 2016 the participants had originally proposed to aerially herbicide 3,685.6 ha as a vegetation management treatment. Based on input received from First Nations, the public and final treatment layout conducted by the participants, the actual aerial herbicide program was reduced to a total of 1,688.7 ha actually treated. This reflects that 54.2% of the total area originally planned for treatment was removed from the final treatment area.

Table 32: Herbicide Area Removal

Number of Hectares Removed Annually From Plan			
Participant	**Notification of Intent to Treat (NIT) (hectares)**	**Post Input from First Nation and Public and Final layout (hectares)**	**Final Treatment Area Reported (hectares)**
BCTS	501.8	429.2	347.7
Canfor	3183.8	1529.5	1341.0
Participants Total	**3685.6**	**1958.7**	**1688.7**

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions proposed for this indicator at this time.

3.63 WORKER TRAINING

Indicator Statement	Target Statement
Percentage of managing participants' employees training that is consistent with training plans.	100% of managing participants' employees will have training consistent with training plans.
SFM Objective: Development of skilled workers	
Linkage to FSJPPR: N/A	

Acceptable Variance:

10%. Employees having achieved a minimum of 90% of their training requirements will be considered as being consistent with their training plans provided there is an action plan in place to complete outstanding training requirements. Action plans to rectify the training deficiencies are to be developed prior to completion of the SFMP annual report.

CURRENT STATUS AND COMMENTS

For the purposes of the 2016-17 annual report, it was found that 40 of 41 Canfor woodland employee records were within the 90% tolerance.

Canfor is not in conformance with this indicator.

For the purposes of the 2016-17 annual reporting period, it was found that 6 out of 6 (100%) BCTS staff met the training requirements.

BCTS is in conformance with the target of this indicator.

Target Achieved	
Yes	✓ **No**

REVISIONS

There are no revisions proposed for this indicator at this time.

6.64 PAG SATISFACTION SURVEYS

Indicator Statement	Target Statement
Level of satisfaction with the public participation process as measured by PAG surveys.	At least an 80% (average score of 4 out of 5) satisfaction level as measured from PAG surveys.
SFM Objective: Develop satisfaction with the public participation process	
Linkage to FSJPPR: N/A	

Acceptable Variance:

- 10%. An average satisfaction level less than 80% will result in follow-up discussions with the PAG to identify opportunities for improving the level of satisfaction with the public participation process.

CURRENT STATUS AND COMMENTS

PAG members and advisors were asked to complete an anonymous public participation process satisfaction survey. The results were favorable. The average score for the satisfaction survey was 91%. The satisfaction survey continues to provide insight into areas for future improvement.

The participants are in conformance with the target of this indicator.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions proposed for this indicator at this time.

6.65 AVAILABILITY OF INFORMATION ON ISSUES OF CONCERN

Indicator Statement	Target Statement
SFM monitoring report made available to the public.	SFM monitoring report made available to public annually.
SFM Objective: Develop improved public understanding of SFM	
Linkage to FSJPPR: N/A	

Acceptable Variance:

- No variance.

CURRENT STATUS AND COMMENTS

The 2015 SFM Annual Report was posted to the Fort St. John Pilot project website and to the Canfor external website, for access by the public. Copies of the 2015 SFM Annual Report were also provided to the Fort St. John Public Library, the Fort St. John Public Advisory Group, the MFLNRORD and MOE.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

No revisions planned.

6.66 DELETIONS TO FOREST AREA

Indicator Statement	Target Statement
Percentage of the gross crown forest landbase in the DFA converted to non-forest land use through forest management activities of the participants during the term of SFMP# 2.	Less than 0.6% of the gross crown forest landbase in the DFA will be converted to non-forest land use through forest management activities of the participants during the term of SFMP# 2.
SFM Objective: Sustain forest lands within the participant's control within the DFA	
Linkage to FSJPPR: N/A	

Acceptable Variance:

Additional +0.2%. The acceptable variance of +0.2% is required to provide the Participants flexibility to exceed the 0.6% target in the event that additional permanent road construction is needed to address unforeseen catastrophic forest disturbance events such as wildfires, insect or disease outbreaks, etc.

CURRENT STATUS AND COMMENTS

The current status of forest deletions resulting from forest management activities is described in Table 2 (Determination of the timber harvesting land base for the Fort St. John TSA), of the "Fort St. John Timber Supply Area Analysis Report – June 2002". A subset of this information is reproduced below. Note that the timber supply review for the Fort St. John Timber Supply Area is scheduled to be completed in 2017 by the ministry of Forests Lands and Natural Resource Operationsand Rural Development (MFLNRORD).

Table 33: TSR2 Determination of the Timber harvesting land base for the Fort St. John TSA

Classification	Area (ha)	Per cent (%) of TSA area
Total Timber Supply Area	4,676,636	100
Non forest land	2,121,261	45.4
Woodlots	13,299	0.3
Land not managed by the MFLNRORD	208,696	4.5
Range lease	10,373	0.2
Parks and reserves	79,750	1.7
Crown forest area managed by the MFLNRORD	**2,243,257**	**48.0**
Reductions to crown forest area		
Existing roads, trails and landings	6,670	0.1
Other crown forest reductions	1,178,047	25.4
Timber harvesting landbase component of crown forest area	1,058,540	22.6
Total crown forest landbase area	**2,243,257**	**48.0**

The 2002 timber supply analysis revealed that reductions to the crown forest area managed by the MFLNRORD attributable to existing roads, trails and landings totaled 6,670 ha or 0.1% of the area managed by the MFLNRORD. This included roads constructed by various industries, including forestry to that point in time.

During the implementation of forest management activities under SFMP# 1 between 2004 and 2010, the participants constructed a total of 1,605.8 km of new road as indicated in Table 31. The Participants assumed an average disturbance width of 20m (for out of block road) and 8m (for in block road) in the calculation of area disturbed due to permanent access construction. This 1,605.8 km of road equates to 3,211.7 ha or 0.14% of the crown forest landbase disturbed by the participants up to and including March 31, 2011.

Table 34: Road Area Constructed by Managing Participants since 2004 under SFMP # 1

	2004 (m)	2005 (m)	2006 (m)	2007 (m)	2008 (m)	2009 (m)	2010 (m)	Total (m)	Total (ha)
BCTS	121,435	169,810	71,994	57,873	50,288	33,745	22,281	527,426	1,054.9
Canfor	144,376	177,226	221,155	191,347	126,425	90,483	127,398	1,078,410	2,156.8
Total	**265,811**	**347,036**	**293,149**	**249,220**	**176,713**	**124,228**	**149,679**	**1,605,836**	**3,211.7**

Since the implementation of forest management activities under SFMP# 2, the participants have constructed a total of 1,633.4 kms of new road as indicated in Table 33. The Participants assumed an average disturbance width of 20m in the calculation of area disturbed due to permanent access construction. This 1,633.4 km of road equates to 3,266.8ha or 0.146% of the crown forest landbase disturbed by the participants up to and including March 31, 2017. Therefor the participants are in conformance with this indicator.

Table 35: Road Area Constructed by Managing Participants since 2011 under SFMP # 2

	2011 (m)	2012 (m)	2013 (m)	2014 (m)	2015 (m)	2016 (m)	Total (m)	Total (ha)
BCTS	26,918	19,547	42,963	81,896	103,967	73555	348,846	697.69
Canfor	234,983	258,571	217,563	164,800	231,137	177502	1,284,556	2,569.11
Total	261901	278118	260526	246696	335104	251057	1,633,402	3,266.80

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions proposed for this indicator at this time.

6.67 RARE ECOSYSTEMS

Indicator Statement	Target Statement
Percentage of the area of rare ecosystem groups reserved from harvest.	100% of the area of rare ecosystem groups will be reserved from harvest.
SFM Objective: Maintain the diversity and pattern of communities and ecosystems within a natural range	
Linkage to FSJPPR: N/A	

Acceptable Variance:

10% of the total rare ecosystem group forest area may be harvested, where required to construct safe access or in situations where less overall environmental disturbance is created by building access through the rare ecosystem group versus building access to avoid the rare ecosystem group. Based on assessments completed by professionals, those sites deemed poor representations of the rare ecosystem group may be harvested.

CURRENT STATUS AND COMMENTS

Monitoring of management performance under indicator # 67 will begin with cut blocks harvested after April 1, 2015.

For blocks with a harvest completion date between April 1, 2016 and March 31, 2017 the participants had the following results:

Canfor had 5 blocks with potential rare eco identified in a GIS querry. All 5 were assessed in the field and no rare ecotypes were found.

BCTS had four blocks with potential rare eco identified. One block (06090) had two rare eco sites identified and were protected within an external Wildlife Tree Patch. No other rare ecotypes were found.

Target Achieved	
✓ **Yes**	**No**

REVISIONS

There are no revisions proposed for this indicator at this time.

4. SUMMARY OF ACCESS MANAGEMENT

Table 34 represents a summary of access construction activities by participant:

Table 36: Summary of Participants' Road and Bridge Construction Activities

Steward	Bridge Construction	New Construction (metres)	Reconstructed or Reactivated (metres)	Surfacing (metres)	Grand Total (metres)
BCTS	0	73555	38228	0	111783
Cameron River	0	466	0	987	1453
Canfor Fort St. John	0	175,707	4,052	46,320	226,079
L.P.	0	731	0	0	731
Chetwynd Mechanical Pulp	0	0	0	0	0
Dunne Za	0	598	1554	0	2152
Grand Total	**0**	**251,057**	**43,834**	**47,307**	342198

The Licensee Participants and BC Timber Sales access management activities for the period April 1, 2016 to March 31, 2017 are detailed **Appendix 3**.

5. SUMMARY OF TIMBER HARVESTING

Table 37: Summary of Timber Volume Harvested by Licence in 2016-17

License	Conifer Licence volume harvested (m^3)	Deciduous Licence volume harvested (m^3)
Canfor - A18154	757353	
DZ - A56771	205475	
CRL - A59959	0	
CMP - A60972	135707	
LP - A60049		248661
PVOSB - A85946		123887
Canfor / LP - PA 12 & 20		28080
BCTS	255,069	60,645
Total	**1,353,604**	**461,273**

Appendix 4 contains a table summary of the Participants' timber harvesting activities by area during the reporting period.

6. SUMMARY OF BASIC FOREST MANAGEMENT (REFORESTATION)

A summary of the reforestation activities carried out by all participants is included in a variety of Tables within **Appendix 5.** BCTS results are shown sperately from Licensee results.

Mixedwood Management
The commitment for the term of SFMP# 2 regarding intimate mixtures of conifer and deciduous is to manage intimate mixtures on ten percent of the harvested mixedwood land base as operational trials.

BCTS
SFMP 1 – Licensees holding BCTS tenures harvested 5,966 ha of forested lands over the time of SFMP #1. Of this area, 2,708 ha was from stands classified by the percentage of net merchantable volume by species as being either conifer leading or deciduous leading mixtures (CD or DC). This equated to an amount of 270.8 ha of harvested area as a minimum commitment to manage towards intimate mixtures. At the end of SFMP 1, BCTS has designated a total of 282.2 ha as intimate mixtures, which is 10.4% of the mixedwood allocation area. This demonstrates achievement of the ten percent target over the term of the SFMP# 1 by BCTS.

Licensee Participants

SFMP 1-Licensees harvested 27,595 ha of forested lands over the period of SFMP 1. Of this area, 1359 ha was from stands classified by the percentage of net merchantable volume by species as being either conifer leading or deciduous leading mixtures (CD or DC). This equates to an amount of 135.9 ha of harvested area as a minimum commitment to manage towards intimate mixtures. Currently participants have designated a total of 206.8 ha as intimate mixtures, which is 15.2% of the mixedwood allocation area. This demonstrates that the licensee tenures are currently 5.2% (or 70.9 ha) above the 10% target over the term of the SFMP.

SFMP 2 – Licensees harvested 29,567 ha of forested lands since the start of SFMP 2 to the end of the 2016 annual reporting period. Of this area, 12,689 ha was from stands classified by the percentage of net merchantable volume by species as being either conifer leading or deciduous leading mixtures (CD or DC). This equates to an amount of 1269 ha of harvested area as a minimum commitment to manage towards intimate mixtures. Currently participants have designated a total of 1775 ha as intimate mixtures, which is 14% of the mixedwood allocation area. This demonstrates that the licensee tenures are currently 4% (or 506 ha) above the 10% target over the term of the SFMP.

7. INCREMENTAL FOREST MANAGEMENT (STAND TENDING)

There were no stand tending activities carried out between April 1, 2016 and March 31, 2017.

8. SUMMARY OF ANY VARIANCES GIVEN

The following is a summary of variances given for licensee participants between April 1, 2016 and March 31, 2017.

Table 38: List of Variances

Licence	FOS Blk # or Location	Regulatory Requirement	Description of Variance	Date Approved
A18154	01319	Visual Quality Objective	Canfor applied for a variance in the visual quality objective in order to salvage burned timber. Variance was to change the visual quality objective from "Partial Retention" to "Modification"	21 Nov, 2016
A18154	01320	Visual Quality Objective	Canfor applied for a variance in the visual quality objective in order to salvage burned timber. Variance was to change the visual quality objective from "Partial Retention" to "Modification"	21 Nov, 2016
A18154	01180	Visual Quality Objective	Canfor applied for a variance in the visual quality objective in order to salvage burned timber. Variance was to change the visual quality objective from "Partial Retention" to "Modification"	21 Nov, 2016
A18154	01334	Visual Quality Objective	Canfor applied for a variance in the visual quality objective in order to salvage burned timber. Variance was to change the visual quality objective from "Partial Retention" to "Modification"	21 Nov, 2016
A18154	01332	Visual Quality Objective	Canfor applied for a variance in the visual quality objective in order to salvage burned timber. Variance was to change the visual quality objective from "Partial Retention" to "Modification"	21 Nov, 2016

9. COMPLIANCE

9.57. CONTRAVENTIONS REPORTED

Licensee participants reported 2 out of a total of 3 potential contraventions to government agencies (MFLNRORD) between April 1, 2016 and March 31, 2017.

BCTS reported 4 potential contravention to government agencies between April 1, 2016 and March 31, 2017.

A description of the potential contraventions reported is locacted in **Appendix 6.**

9.58. Compliance and Enforcement Measures Imposed by the Government Under Part 6 of the Act

There were no compliance and enforcement penalties imposed on licensee participants by the Government under Part 6 of the Forest Practices Code of B.C. Act for activities completed between April 1, 2016 and March 31, 2017.

There was one compliance and enforcement measure taken by the Government under Part 6 of the *Forest Practices Code of B.C. Act* between April 1, 2016 and March 31, 2017 on licensee participants, a warning ticket was issued to Canfor regarding unauthorized harvest.

There were no compliance and enforcement measures imposed on BCTS by the Government under Part 6 of the Forest Practices Code of B.C. Act between April 1, 2015 and March 31, 2016.

The MFLNRORD completed an inspection on licensee Block 09104 in summer of 2013. The inspection noted that the limits on soil disturbance prescribed for the block may have been exceeded. During the reporting period, the MFLNRORD advised Canfor that the alledged incident would be investigated and invited Canfor to participate in an Opportunity to be Heard regarding the alleged incident. The MFLNRORD withdrew it's request to conduct an Opportunity to be Heard regarding the alleged incident.

10. AMENDMENTS TO FDP'S OR FOREST OPERATIONS SCHEDULE

The following table is a summary of amendments for which notice was not required to be published, that were made from April 1, 2016 to March 31, 2017.

Table 39: Summary of FOS Amendments with No Publication Requirement (Apr1/16-Mar 31/17)

Plan	Licence	Amendment ID	Date	Block / Road	Amendment Description	MOF Notified of Change
FOS	Canfor	247	April 5, 2016	44050	Transfer block to A85946	April 5, 2016
FOS	BCTS	248	April 14, 2016	06090	Increase block area by 5.2 ha (4.7%)	April 14, 2016
FOS	Canfor	249	April 19, 2016	04141, 04152, 04153, 04155, 04156, 04157	Combine blocks: to make 04151 managed under A18154	April 19, 2016
FOS	Canfor	250	May 2, 2016	19079	Split block into 19079 and 19098. 19098 to be managed under A60049	May 2, 2016
FOS	Canfor	251	June 1, 2016	24347, 24348, 24346, 24345, 24349, 24344, 24315, 24317, 24343, 24316, 24314, 24318, 24319, 24323, 24322, 24320, 24321, 24324,	Combine blocks to make 24317 and 24315	June 1, 2016

Plan	Licence	Amendment ID	Date	Block / Road	Amendment Description	MOF Notified of Change
				24350, 24326, 24325		
FOS	Canfor	253	June 29, 2016	04073	Transfer to A56771	June 29, 2016
FOS	Canfor	255	Sept 9, 2016	01-332-01, 01-318-01, 01-322-01, 01-330-01, 01-331-01, 01-035-00, 27-063-00	New roads to access blocks 01332, 01318, 01333, 01322, 01330, 01331, 27035 and 27063	Sept 9, 2016
FOS	BCTS	257	October 13, 2016	01028	Split Block 01028 into 01028 and 01337	October 13, 2016
FOS	Canfor	258	October 13, 2016	27063 and 27070	Merge blocks into 27063	October 13, 2016
FOS	BCTS	259	October 13, 2016	01026, 01181, 01182, 01183	Merge blocks into 01026	October 13, 2016
FOS	Canfor	260	October 27, 2016	27047	Split block into 27047 and 27071	October 27, 2016
FOS	BCTS	261	November 1, 2016	05027, 05029	Increase block area: 05027 – 2.5 ha (16.2%) 05029 – 2.7 ha (11.7%)	November 1, 2016
FOS	BCTS	262	November 10, 2016	24058, 24059, 24063, 24064, 24067, 24234, 24280, 24281, 24287, 24253, 03111, 03123, 03124, 19074, 19073, 19022, 19021, 19035	Transfer blocks to BCTS	November 10, 2016
FOS	Canfor	263	November 21, 2016	01216, 01217, 01235, 01236, 01248, 01249	Blocks merged: 01216 and 01217 into 01216 01235 and 01236 into 01235 01248 and 01249 into 01248	November 21, 2016
FOS	Canfor	264	November 22, 2016	27-045-01, 24-043-01, 27-067-01, 27-049-01, 27-068-01	New roads to access blocks 27045, 27043, 27067, 27049, 27048 and 27068	November 22, 2016
FOS	Canfor	265	November 22, 2016	01232	Block split into 01232 and 01336	November 22, 2016
FOS	Canfor	266	December 7, 2016	01253, 01255, 01257, 01260, 01261	Blocks 01253, 01255, 01257 merged into 01257. Blocks 01260 and 01261 merged into 01260	December 7, 2016
FOS	Canfor	267	December 7, 2016	45044, 45045, 45054	Transfer blocks to A85946	December 7, 2016
FOS	Canfor	268	January 4, 2017	19036, 19027, 19028, 19029	Transfer blocks to A18154	January 4, 2017
FOS	Canfor	269	January 18, 2017	04-088-00	Relocate road	January 18, 2017
FOS	Canfor	270	January 19, 2017	01-248-01	Relocate road	January 19, 2017

Plan	Licence	Amendment ID	Date	Block / Road	Amendment Description	MOF Notified of Change
FOS	Canfor	271	January 19, 2017	02041	Transfer block to A18154	January 19, 2017
FOS	Canfor	272	January 20, 2017	31009	Split block into 31009 and 31020	January 20, 2017
FOS	Canfor	273	January 26, 2017	02147	Transfer block to A60972	January 26, 2017
FOS	Canfor	274	January 27, 2017	44048, 44058, 44064	Portion of 44048, and all of blocks 44058, 44064 merged into block 44064 and managed under A85946	January 27, 2017
FOS	Canfor	275	February 3, 2017	31005	Block split into 31005 and 31023	February 3, 2017
FOS	Canfor	276	February 3, 2017	25064	Block split into 25064 and 25072	February 3, 2017
FOS	Canfor	277	February 3, 2017	01254, 01257, 01259	Transfer blocks: 01254 to A85946; 01257 to A56771; 01259 to A56771	February 3, 2017
FOS	Canfor	278	February 8, 2017	19075	Split block into 19075 and 19099	February 8, 2017
FOS	BCTS	279	February 8, 2017	24299	Transfer block to BCTS	February 8, 2017
FOS	Canfor	280	February 10, 2017	25-040-00	Relocate road	February 10, 2017
FOS	Canfor	281	February 28, 2017	01-233-01, 01-233-02, 01-245-01, 01-238-01	New roads to access blocks	February 28, 2017
FOS	Canfor	282	March 1, 2017	04211	Transfer block to A18154	March 1, 2017
FOS	Canfor	283	March 2, 2017	05123	Transfer block to PA12	March 2, 2017
FOS	Canfor	284	March 3, 2017	02066, 02194	Merge blocks into 02066	March 3, 2017
FOS	Canfor	285	March 24, 2017	01188, 01189, 01268, 01269, 01119	Merge blocks 01188 and 01189 into 01188. Merge blocks 01268 and 01269 into 01268. Transfer block 01119 to PA12	March 24, 2017

The following is a summary of major amendments made from April 1, 2016 to March 31, 2017 that did go through the formal public review process.

Table 40: Summary of FOS Amendments with Publication Requirement (Apr1/16-Mar 31/17)

Plan	Licence	Amendment ID	Date	Block / Road	Amendment Description	MOF Notifed of Change
FOS	BCTS/ Canfor	254	September 29, 2016	47 new blocks (3957.3 ha) and 34 new or redesigned roads (49.9 km) over 11 different operating areas.		March 10, 2017
FOS	Canfor	252	June 30, 2016	Addition of 40 new blocks(1268.7ha) and 4 new roads(2.514 km) to address salvage harvest in the Beaton Fire		November 28, 2016
FOS	Canfor	256	October 27, 2016	Addition of 20 new blocks to address salvage harvest in the Siphon Creek wildfire		Jan 13, 2017

No other major amendments were processed during the annual reporting period (April 1, 2016 to March 31, 2017).

11. LANDSCAPE LEVEL STRATEGY IMPLEMENTATION

The landscape level strategies (LLS) provide the strategic direction to the participants' plans and operations.
The *Fort St. John Pilot Project Regulation* (FSJPPR) specifies the regulatory content of the SFMP. A sustainable forest management plan at a minimum must include landscape level strategies for all of the following:

- timber harvesting,
- road access management,
- patch size, seral stage distribution and adjacency,
- riparian management,
- visual quality management,
- forest health management, and
- range and forage management.

The SFMP# 2 also includes a Landscape Level Reforestation Strategy and a Soil Management strategy.

The FSJPPR also requires the participants to ensure that each strategy contained in the plan specifies the performance indicators for evaluating whether or not the strategy has been successfully implemented. The participants will regularly review each of these indicators for appropriateness and evaluate performance and progress towards the associated targets.

A summary of these reviews and any proposals for change will be reported in the SFMP annual reports. The targets will be managed within the continuous improvement process as described in section 3.4 of the SFMP.

Following is a summary of the landscape level strategies and related performance indicators, (as identified in Table 8 of the SFMP) approved by the regional manager (MFLNRORD) and regional director (MOE) are:

Table 3941: Landscape Level Strategies and Related Performance Indicators

SFMP # 2 Landscape Level Strategy	Performance Indicators		
	Affecting Part 3 Division 5 of the FSJPPR (Indicator #)[23]	**For Evaluation of LLS - Sec 42 of FSJPPR (Indicator #)[24]**	Additional - not for regulatory approval (Indicator #)
4.1 Timber Harvesting	N/A	18,19, 20, 21, 50, 51,52	27, 48, 53
4.2 Road Access Management	24	24, 45	40
4.3 Riparian Management	7, 22	7, 22, 34, 36	
4.4 Range and Forage Management	N/A	10, 42	41
4.5 Patch Size, Seral Stage Distribution and Adjacency	6, 9	2, 3, 6, 9	
4.6 Forest Health Management	N/A	1, 2, 3, 25, 49	26
4.7 Reforestation	13, 29	13, 28, 29, 30	14
4.8 Soil	N/A	4	
4.9 Visual Quality Management	44	44	

Following is a summary of the degree to which the participants achieved the indicators linked to each of the landscape level strategies:

Timber Harvesting Strategy

Harvesting Strategy #1: Timber harvesting within the Crying Girl LU and the portion of the Graham LU that falls within the Graham River valley will be based on sequential clustered development. Operational harvest activities will be concentrated in one 'cluster' during a harvesting season to minimize costs, and to minimize the extent of industrial disturbance to wildlife. The total extent of allowable harvesting area will be consistent with the GRIMP harvest schedule. Exceptions to this that may be required to address abnormal forest health and damaging events will be reviewed with the PAG and government agencies prior to conducting activities.

Indicator #18 - Graham Harvest Timing (3.18): No harvesting occurred in the reporting period in the Graham. The participants were within the targeted number of clusters for harvest, and therefore in compliance with this indicator.

[23] Includes indicators related to both Sec35(5) and Sec35(6)of FSJPPR
[24] Indicators 2 (Seral Stage) and 3 (Patch Size) are Performance Indicators for both Strategy 4.5 and 4.6

Indicator #19 - Graham Merchantable Area Harvested (Section 3.19): The first reporting period finished in April 2007. The total area harvested in the first reporting period was 3,516 ha, while the maximum allowable harvest for the period was 3,638 (which had been amended downward from 3,869 ha as a result of transferring block 11058 from cluster 4 to cluster 6, as noted in the 2005-2006 Annual Report). The second reporting period commenced April 1, 2007 and concluded March 31, 2012. Since the beginning of period 2 to date of preparation of this report, no harvesting has occurred in the Graham. The participants are therefore consistent with the indicator's targeted range.

Harvesting Strategy #2: The Forest Connectivity Corridors that are identified in the Graham River IRM Plan area provide substantial connectivity for wildlife throughout the Plan area. Operational plans will respect the long-term primary components of these connectivity corridors. To ensure consistency with the original objectives of the GRIMP, government agencies will be consulted and their agreement obtained prior to proposing harvesting activities in any portion of the permanent corridors.

Indicator #20 - Graham Connectivity (Section 6.20): No new harvesting occurred in the Graham in the 2016-17 reporting period. The participants are in conformance to this indicator's target and allowable variance. As well, GIS coverage was used as an overlay during the development of the FOS to ensure consistency of future blocks with this indicator.

Harvesting Strategy #3: Long term harvest plans will be prepared depicting the approximate location of blocks and roads, to address key wildlife and road access issues for one or more drainages within the MKMA. These plans will be submitted to government and the public for review and comment prior to inclusion of any new proposed blocks in any FOS or similar plan.

Indicator #21 - MKMA Harvest (Section 3.21): Harvesting and associated road construction was previously completed in three grand parented blocks (20007, 20008, and 20060). No other activity has occurred in the MKMA, so the participants are consistent with the indicators related to this strategy. No harvesting occurred in the MKMA during the annual report period.

Timber Harvesting Strategy #4: Participants will plan harvesting activities in a manner that supports the maintenance of the current Allowable Annual Cut over the term of the SFMP, balancing economic considerations with the management assumptions included in the current AAC determination (TSRII) rationale.

Indicator #51 - Timber Profile - Deciduous (Section 3.52): During the development of Forest Operations Schedule #2, a substantial amount of deciduous-leading area was identified for harvest in Supply Block F – over 3,900 ha.

Indicator #52 - Timber Profile – Coniferous (Section 3.52): The first 5-year period expired March 31, 2006. The participants' harvesting for that five-year period was 5.0% in height class two pine stands, which, while below the target of 8%, was equal to the minimum acceptable level of 5.0%. The next calculation of this indicator will occur at the end of the next five-year harvest period. It was recognized that achievement of this target in the current five-year period April 1, 2007- March 31, 2011, would be negatively impacted by the large-scale salvage harvesting programs currently implemented to address the mountain pine beetle infestation. Accordingly, the variance for this period was revised to 0% at the March 6, 2008 Fort St. John Public Advisory Group meeting to provide flexibility to address the urgent forest health issue.

Very little new harvesting occurred in height class II pine stands during the reporting period in order to concentrate harvest activity on mountain pine beetle infested areas. During the 2011-2016 reporting period Canfor harvested 189.6 ha in height-class two pine inventory types of a total conifer stand type area of 31,542.9 ha harvested (1.4%) and BCTS harvested 169.1 ha in height-class two pine inventory types out of a total conifer stand type area of 4187.4 ha harvested (4.0%). The combined conifer harvest in height class 2 pine stands for the 2011 – 2016 reporting period is 2.0% (358.7 ha out of a total of 17,730.3 ha harvested).

For 2016-17 reporting year, the combined conifer harvest in Height class 2 pine stands is 0.7% (29.8ha out of 4,459.5ha harvested)

The variance for this indicator target has been met for this reporting period.

Harvesting Strategy #5: Support sustainable harvest levels by managing cut control levels and timber sale volumes sold that are consistent with the approved apportioned volumes within the TSA.

Indicator #53 - Cut Control (Section 6.53): This end of the monitoring period identified for indicator 53 is December 31, 2016. The licensee six-year cumulative target for coniferous cut control volume is 4,889,122 m3. The actual harvested coniferous volume at the end of the period was 4,840,132 m3 (98.9% of the cumulative target).

The licensee six-year target cumulative deciduous cut control volume is 6,736,100 m3. The actual harvested volume for the period is 2,902,719 m3 (43.1% of the cumulative target).

The BCTS six-year target cumulative coniferous allotment volume is 2,864,854m3. The actual volume offered for sale in the reporting period was 2,314,033 m3 (80.7% of the cumulative target).

The BCTS six-year target cumulative deciduous allotment volume is 1,386,000 m3. The actual volume offered for sale in the reporting period was 620,298 m3 (44.8% of the cumulative target).

The target for this indicator has been met at the conclusion of the reporting period.

The next cut control reporting period will be January 1, 2016 – Dec 31, 2021.

Harvesting Strategy #6: Participants will coordinate the planning of forestry operations to achieve business efficiencies, facilitate analyses of cumulative forest management impacts in relation to SFMP strategies, and provide consolidated information sharing and consultation products to interested parties in a Forest Operations Schedule.

Indicator #50 - Coordination (Section 3.50): The participants completed and submitted a coordinated FOS in 2010-11, and continued to coordinate and collaborate on FOS 3 and FOS 2 amendments in 2016/17, therefore meeting the target for this indicator.

Harvesting Strategy #7: Identify suitable areas for summer and fall harvesting, and maintain deliveries during this time period sufficient to meet processing plant fibre requirements, while meeting environmental objectives.

Indicator #48 - Summer/Winter volumes (Section 3.48): Targets were met for both the coniferous sawmill and the OSB mill during the summer and fall of the reporting period.

Harvesting Strategy #8: Even-aged silviculture systems such as clearcuts, or clearcuts with reserves, will be the predominant silviculture systems employed, as these systems most closely parallel the even aged forests that result from natural disturbance events in the TSA. Where other resource values are particularly high, small patch or strip cuts may be proposed to maintain non-timber resource values, while allowing for some timber utilization. Modified shelterwoods will be employed in deciduous logging to protect coniferous understorey on an operational trial basis, consistent with the reforestation strategy.

Indicator #27 - Silviculture Systems (Section 3.27): The participants met the target for this indicator; during the reporting period, even aged silviculture systems were used exclusively.

Summary: The participants conformed to all seven (100%) legal indicators, and 3 of 3 non legal indicators (100%) used to quantify conformance to the timber harvesting strategies.

Road Access Management Strategy

Road Access Management Strategy #1: The percentage of permanent access structures may vary significantly within cutblocks, depending on block size, terrain, season, and the need to address other resource features. The revised field performance requirement, identified in the 2004 SFMP, will continue unchanged. Permanent Access Structure % will be assessed on a DFA-wide basis, rather than block-by-block, using three year rolling average measure expressed as a percent value. The value will be less than the original regulatory field performance requirement.

Indicator #24 - Permanent Access Structures (Section 3.24): Licensee participant's current permanent access structures area is at 4.3%, BCTS is at 2.6%, the participants combined PAS is 3.7%, therefore the participants are consistent with the target for this indicator.

Road Access Management Strategy #2: Forest industry road access in the Sikanni, Graham and Crying Girl LU's will be planned to maintain over time the primitive ROS class at 1996 levels, and maintain a component of semi-primitive non motorized ROS classes.

Indicator #45 - Recreation Opportunity Spectrum (Section 3.45): As no logging occurred in this area since 2007, the current status remains consistent with the target range for this indicator. As well, projections of proposed roads and blocks from the FOS# 2 indicate that harvest plans will allow future activities through 2016 to be consistent with achieving these targets.

Road Access Management Strategy #3: Participants will communicate and provide the opportunity for forest industry access management plans to be shared with the oil and gas sector through the Oil and Gas Commission. This includes providing critical forest industry road construction standards so that the forest industry road specifications can be linked with those of the oil and gas sector. Forest industry access plans encompassing all of the Participants' activities will be clearly identified within the Forest Operations Schedule (FOS). By making this information well known and easily available to the oil and gas sector, coordinated infrastructure developments within common operating areas can be implemented, thus eliminating duplicate

entries and thereby reducing the amount of forest land converted to non-forest conditions and minimizing the negative impacts on other resources.

Indicator #40 - Coordinated Developments (Section 3.40) - The participants proposed changes to 19 of the 184 referrals received from Oil and Gas, to either coordinate development, or otherwise minimize impacts to the timber harvesting land base. The oil and gas company proponents agreed to implement many of these proposed changes. Participants noted that in many referrals oil and gas activities were already designed to reduce impacts to the timber harvesting land base. Licensee participants issued 210 Road use agreements to oil and gas companies.

Summary: The participants conformed to the two (100%) legal indicators, and 1 of 1 (100%) non legal indicators used to quantify conformance to the access management strategies.

Patch Size, Seral Stage Distribution and Adjacency Strategy

The general strategy implemented in the SFMP is to approximate the pattern, distribution and structure of natural disturbance events (primarily fire), consistent with information provided by Delong (2002).

Seral Stage Distribution Strategy

The seral stage distribution strategy is summarized in **Indicator #2 - Seral Stage (Section 3.2)**, where targets and timelines for achieving late seral stages for deciduous leading and coniferous leading stands, by NDU are presented. Where harvesting is proposed in areas falling below thresholds, there are requirements to spatially identify recruitment areas in Forest Operations Schedule.

The seral stage analyses conducted in 2016 to identify the current condition of the indicator and to identify the future condition of the indicator, assuming all blocks in FOS# 3 are harvested by 2025, identified that the participants' activities are in conformance with the requirements of this indicator. To date of preparation of this report, a significant amount of FOS 2 blocks remain unharvested.

Patch Size Strategy

The patch size distribution targets for early and mature patches for the duration of the SFMP are outlined in **Indicator #3 - Patch Size (Section 3.3).** The patch size analyses conducted in 2016 to identify the current condition of the indicator and to identify the future condition of the indicator assuming all blocks in FOS# 3 are harvested by 2012, Identified that the participants' activities are in conformance with the requirements of this indicator.

In FOS# 3 harvesting is proposed only in two of the of the ten NDU patch size combinations where the desired patch size distribution is not achieved by 2025.
Of the two NDUs where harvesting is proposed, the patch targets are achieved in 4 of 6, or 67%, of the relevant patch size NDU combinations. In the 2 NDU patch size combination where harvesting does not achieve the desired patch size distribution, it must be noted that a slight improvement over the baseline condition (2010 condition) is achieved. This demonstrates a trend to moving toward achieving the desired patch size distribution over the course of implementation of FOS# 3.

Forest Structure and Adjacency

Indicators that measure the structure characteristics of natural disturbance patterns are Coarse Woody Debris and Wildlife Tree Patches.

Indicator #6 - Coarse Woody Debris (Section 3.6): 41 plots have been measured to date under the FSJPPR, up to the end of the reporting period. Data collected to date shows the participants are consistent with this indicator with an average of 145.5 m3 of CWD retained on harvested blocks.

The next reporting period is December 1, 2016 - November 30, 2022.

Indicator #9 - Wildlife Tree Patches (Section 3.9): have cumulative targets by LU for harvesting initiated after November 15, 2001. The participants' activities are currently consistent with the targets for 10 of the 11 LU's where harvesting has occurred**. Consequently, the participants are not in conformance with the target for this indicator.**

Adjacency

The strategies and indicators that deal with patch size, patch shape and seral stage distribution control both the amount and spatial distribution of the forested land base affected by forest management. The combined functions of managing for both early and mature patch sizes controls where harvesting can occur as well as what is left as intact mature forest over time. The seral stage indicator controls the amounts of the various age groups. The patch size indicators address both the size and shape of patches at the landscape level and over time. The CWD and Wildlife Tree Patch indicators provide structure within or adjacent to harvested areas. These processes manage the structural characteristics and the temporal and spatial distribution of forest patches such that a separate adjacency indicator strategy is not necessary.

Summary: The participants conformed to the targets for 3 of 4 (75%) legal indicators used to quantify conformance to the patch size, seral stage distribution and adjacency strategy.

Riparian Management Strategy

Riparian Management Strategy #1: Forestry operations adjacent to fish bearing S1, S2 and S3 streams will minimize negative effects on water quality by maintaining regulatory riparian reserve zones that meet or exceed the minimum widths included in Schedule D of the FSJPPR.

Indicator #7 - Riparian Reserves (Section 3.7): This is an indicator of progress related to maintaining riparian reserves as proposed by this strategy. The participants were in conformance to the target for this indicator during the reporting period.

Riparian Management Strategy #2: Qualified personnel will conduct assessments of streams that do not have mandatory reserve zones. Site-specific management practices will be incorporated into SLP's to protect streambanks, stream channel stability, and riparian vegetation, water quality, and other riparian values.

Indicator #36 - Protection of Stream banks and Riparian Values on Small Streams (Section 3.36): During the 2016 reporting period the participants (BCTS) had one instance of non-conformance to SLP riparian management measures; this is within the acceptable target

variance. The participants were therefore in conformance with the target for this indicator during the reporting period.

Riparian Management Strategy #3: Plans developed for harvesting within the riparian corridors of major rivers will provide for a high level of forest retention for wildlife habitat, with new patch openings normally being one hectare or less in size within 100 metres of the rivers' Riparian Reserve Zone. A variety of silviculture systems can potentially be used to achieve this, including clearcut with reserves and partial cutting systems, employing methods such as strip cuts or patch cuts.

Indicator #22 - River Corridors (Section 3.22):, During the reporting period, harvesting occurred within block 02163 (1.0ha) and block 02023 (0.41ha) within major river corridors in the TSA. BCTS did not harvest any amount of area from a Major River Corridor. The participants' activities are therefore consistent with the target for this indicator.

Riparian Management Strategy #4: Excessive runoff at the watershed level, which can disturb stream channel integrity and adjacent habitats, will be managed by limiting the extent of harvesting within watersheds, as determined through peak flow index analyses

Indicator #34 - Peak Flow Index (Section 3.34): The participants are consistent with the target for this indicator. No non-conformances to this indicator were identified to have taken place during this reporting period.

As part of the preparation of Forest Operations Schedule #3, a DFA-wide analysis of watersheds was conducted. The analysis determined the impact of FOS #3 to each watershed's peak flow index, by modelling both the impact of the participants' total proposed harvest and the projected growth of forest stands. The analysis showed that all watersheds (104 of 105, 99%) are within the target threshold for peak flow upon completion of all harvest activities proposed in FOS#3 in 2025.

Summary: The participants conformed to the target or acceptable variance for 4 of the 4 (100%) legal indicators used to quantify conformance to the riparian management strategy.

Visual Quality Management Strategy

Visual Quality Strategy #1: All forest operations carried out in scenic areas covered by an established visual quality objective (VQO) will be consistent with the objective, and in scenic areas without established VQO's all forest operations will be designed using appropriate visual design techniques to minimize visual impacts.

Indicator #44 - Visual Quality Objectives (Section 3.44): measures whether activities were consistent with VQO's during the reporting period, and is used to quantify conformance to the visual quality management strategy. The participants (Canfor and BCTS) completed 13 of 18 required assessments during the reporting period. The completed assessments concluded the VQO's were achieved on all 13 blocks.

For the 2016/17 reporting period, Canfor assessed the blocks where havesting was completed prior to 2015, and found 15 blocks that fell into visual quality Objective polygons and would require VQO assessments during the reporting period. Ten of these blocks had assessments completed and were found to have met the visual quality objectives for the polygon. Five blocks were not assessed prior to the end of 2016-17. The blocks are 01200, 01199, 01002, 01162, and 01161. These blocks will be assessed before the end of 2017 and if any do not meet the VQO objective, they will be reported in the 2017/18 annual report.

Summary: The participants did conform to the target or acceptable variance for the one (100%) legal indicator used to quantify conformance to the visual quality management strategy.

Forest Health Management Strategy

Forest Health Strategy #1: To minimize the potential of catastrophic forest health events, the participants will apply the principles of Integrated Forest Health Management in the planning and implementation of forestry activities.

Indicators, strategies and implementation details for maintaining ecological processes are included in indicators dealing with **Forest Types (Indicator #1, Section 3.1), Seral Stage (Indicator #2, Section 3.2), and Patch Size (Indicator #3, Section 3.3) and Indicator #26 Salvage**. The participants are in conformance with the target for each of these indicators.

Forest Health Strategy #2: The Participants will identify potential forest health issues within their silviculture obligation areas (harvested blocks), and prioritize those that may have a significant impact on forest resources. Within their silviculture obligation areas, the Participants will detect and monitor significant forest health agents in a timely manner, and, where potential impacts are significant, implement cost effective treatment controls where practical.

Indicator #25 - Forest Health (Section 3.25): the participants' activities were consistent with the targets for this indicator. Surveys conducted on obligation areas during the reporting period identified minor incidences of forest health damaging agents, primarily vegetation press, ungulate browse, and Cooley spruce gall adelgid, Western Gall Rust. An action plan to address the effect of browse on deciduous seedlings in one block was implimented by BCTS. Other blocks affected by ungulate browse will be monitored for future impacts.

Forest Health Strategy #3: Where practical, prioritize harvesting of conifer blocks to those areas that are most susceptible to prevalent significant and/or catastrophic forest health damaging agents.

Indicator #49 - Forest Health FOS Planning (Section 3.49): There were 626 new conifer-leading blocks included in Forest Operations Schedule # 2 for the Fort St. John Pilot Project area. Of those, 344 blocks (55%) were pine-leading. The participants are consistent with the target for this indicator, within the bounds of the acceptable variance.

Summary: The participants' activities conformed to the target or acceptable variance for 5 of 5 (100%) legal indicators and 1 of 1 (100%) non legal indicators used to quantify conformance to the forest health strategy.

Range and Forage Management Strategy

Range and Forage Management Strategy # 1: The Participants will ensure range improvements damaged as a result of Participants' activities are restored to their pre-harvest condition in a timely manner, or as otherwise agreed to between the range tenure holder and Participant.

Indicator #42 - Damage to Range Improvements (Section 3.42): In this reporting period the participants damaged no range improvements. Consequently the participants are consistent with the indicator's target.

Range and Forage Management Strategy # 2: The participants will implement measures for grass seeding activities to minimize the risk introduction or spread of invasive plants due to forest management activities.

Indicator #10 - Noxious Weed Content (Section 3.10): All reclamation seed broadcast by the licensee participants and BCTS licensees during the reporting period is certified as having 0% content of prohibited and primary noxious weeds, and known invasive weed species of concern, as identified in the Sustainable Forest Management Plan. The participants were consistent with the targeted range for this indicator.

Range and Forage Management Strategy #3: The Participants will endeavor to create and implement mutually agreed action plans (T.R.A.P.s) with range tenure holders that address forage and forest management overlap issues and other concerns, over the areas identified in the current Forest Operations Schedule.

Indicator #41 - Range Action Plans (Section 3.41): is the indicator which shows progress on this strategy. There was no mutually agreed specific action required to be completed and no Timber Range Action Plan (TRAP) was developed (signed) by the participants during the reporting period. Participants' operations were 100% consistent with the mutually agreed upon action plans for range during the reporting period.

Summary: The participants conformed to the target or acceptable variance for 2 of 2 legal indicators, and 1 of 1 (100%) non legal indicators used to quantify conformance to the range and forage management strategy.

Reforestation Strategy

A) Discrete areas within cutblocks will be assigned an initial forest type designation (conifer, deciduous, or mixedwood). Applicable reforestation standards (coniferous, deciduous, or intimate mixedwood standard) that apply to each area will be tied to stocking standard ID's, which correspond to conifer, deciduous, or mixedwood stocking standards (i.e. declarations). These ID's will be submitted into the MFR tracking system (e.g. RESULTS). Changes to stocking standard designations within cutblocks may occur prior to final assessment, and will be revised in RESULTS.

B) Timely establishment of new forests is important to support timber production objectives, and will be assessed based on the average length of time to establish trees on harvested sites.

C) Flexibility in the intensity of silviculture treatments will be used to enhance landscape level timber production, while allowing natural variability in stand development. This will be enabled by assessing reforestation success based on a cumulative 'landscape level' assessment of the area from each year's logging. Assessments will be completed separately for all deciduous and all coniferous declarations, based on a comparative measure of projected future volume production.

The strategy includes the following components:

1. Assigning Reforestation Standards to areas within cutblocks
2. Landscape Level Assessment of Reforestation
3. Stocking Standards and Crop Tree Requirements
4. Silviculture Performance Indicators

The Reforestation strategy has the following key features to:

- Set standards for reforestation to provide restocking of harvested areas.
- Provide a landscape level assessment of reforestation success for *coniferous and deciduous leading stands*, based on a comparative measure of future volume.
- Ensure that Professional Foresters will have professional accountability at the cut block level to vary regimes and provide for other values as they progress to a landscape level target for volume.
- Allow continuous improvement by providing feedback on landscape level reforestation success. Silviculture regimes and/or corrective action can be considered across the landscape and implemented in a cost effective manner that considers all values being managed.

Traditionally, reforestation success has not been measured at a landscape level. This strategy extends beyond previous practices and provides an additional measure to assure adequate management and conservation.

This strategy applies to all area harvested after November 15, 2001, under the FSJPPR. Participants may elect to include areas harvested under prescription between 1987 and November 15, 2001. A statement of election to include areas must be made in writing to the District Manager.

The following 4 indicators measure performance to the overall reforestation strategy of the participants:

Indicator #13 - Coniferous Seed (Section 3.13): measures conformance to the Chief Foresters Standards for Seed Use. 97.5% of seedlings planted by the participants were in conformance with the Chief Foresters Standards for Seed Use. The participants are in compliance with the indicator.

Indicator #28 - Species Composition (Section 3.28): measures the progress participants make in retaining relative consistent species composition between pre and post harvest operations on the landscape. The planted species percentages are within 20% of the cruise species percentages and therefore the participants are within the acceptable variance for this indicator and target.

Indicator #29 - Reforestation Assessment (Section 3.29): provides a landscape level assessment of reforestation success for *coniferous leading and deciduous leading stands*,

based on a comparative measure of future volume. The participants are in compliance with this indicator.

Indicator #30 - Establishment Delay (Section 3.30): provides a broad view of the average amount of time being taken to confirm establishment of a new forest on conifer leading, deciduous leading and mixedwood harvested areas. BCTS and the licensee participants achieved the target for conifer, deciduous and mixed wood establishment delay. The participants are in compliance with this indicator.

Indicator #14 - Aspen Regeneration (Section 3.14): – ensures that reforestation of deciduous stands utilizes natural regeneration to ensure that the regenerated stand is genticaly suitable for the site. The Participants are in conformance with this indicator.

Summary: The participants conformed to 4 of the 4 legal indicator targets (100%) and 1 of 1 (100%) non legal indicators that measure conformance with the reforestation strategy.

Soil Management Strategy

Soil Management Strategy #1: The Participants will implement measures that ensure operations are conducted in a manner that addresses the inherent sensitivity of a site to soil degrading processes.

Indicator #4 - Soil Disturbance (Section 3.4): measures whether detrimental soil disturbance occurred during harvesting or reforestation activities on cutblocks. There were no incidents of detrimental soil disturbance reported by the participants during the reporting period.

Summary: The participants conformed to 1 of the 1 (100%) of the legal indicators that measure conformance to the soil management strategy.

Appendix 1: Fort St. John LU's and RMZ's

Fort St. John Landscape Units (LU's) and Resource Management Zones (RMZ's)

Landscape Units (LU) are based on updated Biogeoclimatic Ecosystem Classification (BEC) mapping, ecosection boundaries, Natural Disturbance Units (NDU's) and important administrative boundaries such as the revised district boundaries and the strategic land use boundaries of the Muskwa-Kechika Management Area. In the absence of an administrative boundary, resource features such as main stem rivers (midpoint) or height of land were used wherever possible to provide logical natural boundaries for each LU. These boundaries often encompass multiple watersheds in mountainous terrain, and reflect similar BEC units, ecosections and Natural Disturbance Units.

The current LU boundaries are consistent with strategic boundaries and their respective objectives at the LRMP Resource Management Zone (RMZ) level, and allow the administrative areas to be managed without overlapping LU boundaries and fragmenting objectives during implementation.

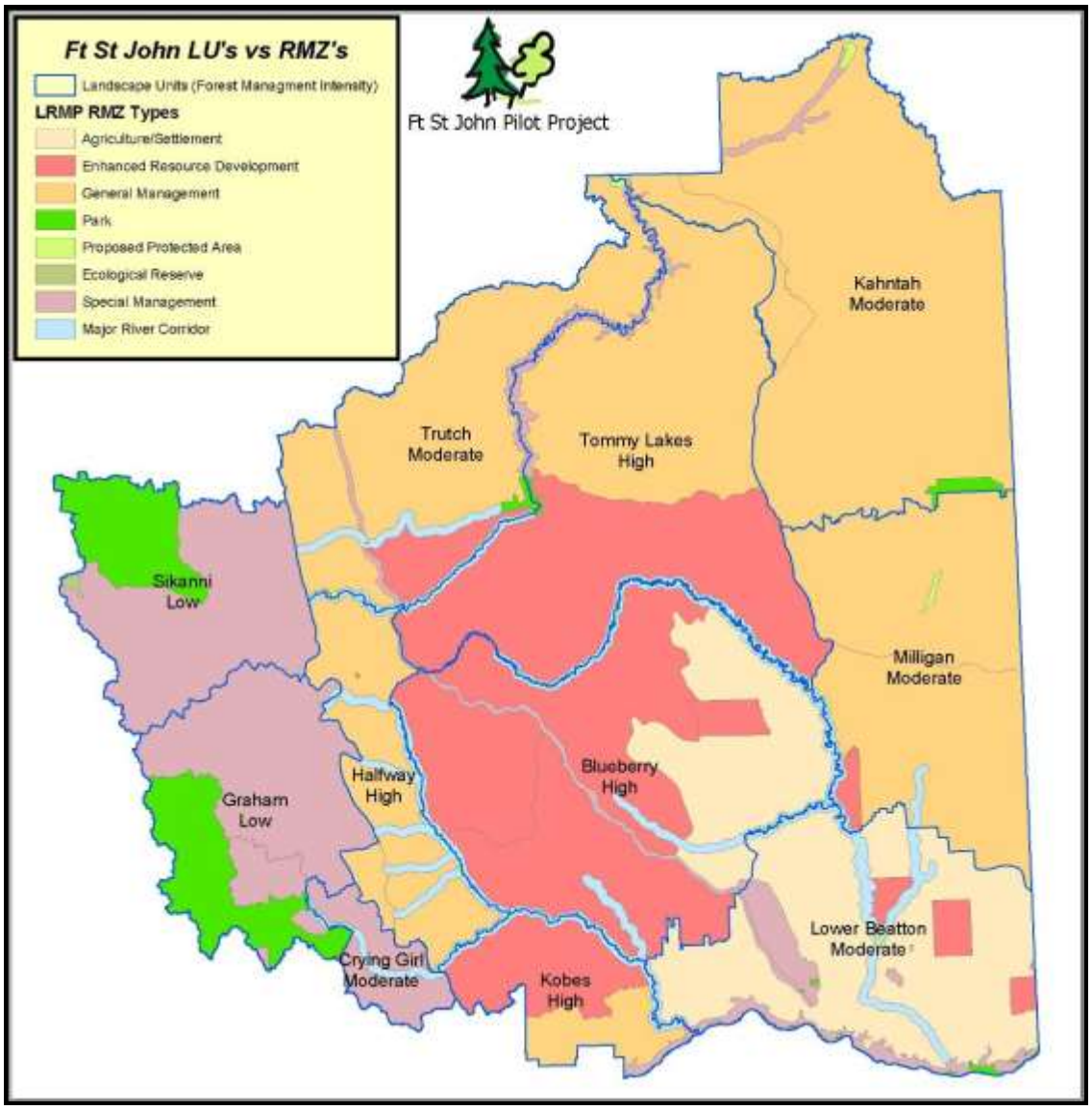

Figure 13: Fort St. John LU's and RMZ's

Appendix 2: CSA Sustainable Forest Management Matrix

47.0 CSA Matrix[25] Fort St. John Pilot Project SFM Matrix (Effective April 1, 2013)

6.0 The SFM Performance Requirements: CCFM Criteria and CSA SFM Elements	Value	Objective	CSA core Indicator (for reference only)	SFMP Indicator		Target
The organization, in conformance with the public participation process requirements set out in Section 5, will identify DFA-specific values, objectives, indicators and targets for each of the CSA SFM Elements described in Clauses 6.1-6.6, as well as any other values associated with DFA.				Indicator - a variable that measures or describes the state or condition of a value.		Target - a specific statement describing a desired future state or condition of an indicator. Targets should be clearly defined, time-limited, and quantified, if possible.
CCFM Criterion 1 – Conservation of Biological Diversity						
Conserve biological diversity by maintaining integrity, function and diversity of living organisms and the complexes of which they are part.						
Element 1.1 Ecosystem Diversity - Conserve ecosystem diversity at the stand and landscape levels by maintaining the variety of communities and ecosystems that naturally occur in the DFA	**Ecosystem Diversity**	**Maintain the diversity and pattern of communities and ecosystems within a natural range**	**1.1.1 - Ecosystem area by type**	67	Percentage of the area of rare ecosystem groups reserved from harvest.	100% of the area of rare ecosystem groups will be reserved from harvest.
				17 - Representative Examples of Ecosystems	Percentage of area of forest stands in an unmanaged condition, by leading species, by NDU	100% of baseline targets for forested stands in an unmanaged condition, by leading species, by NDU will be met

[25] matrix number reflects the PAG meeting at which it was approved.

			1.1.2 - Forest area by type or species composition	1 - Forest Types	Percent distribution of forest type (deciduous, deciduous mixedwood, conifer mixedwood, conifer) >20 years old by landscape unit	All forest type groups by landscape unit will meet or exceed the minimum area percentage in table 9
				28 - Species Composition	Relative change in plantation composition versus harvest composition for spruce and pine	The relative proportion of spruce and pine planted annually will equal the proportions harvested annually (excluding fill planting)
			1.1.3 - Forest Area by seral stage or age class	2 - Seral Stage	The minimum proportion (%) of late seral forest by NDU	The minimum proportion (%) of late seral forest by NDU as identified in table 11 will be met
				3 - Patch Size	Percent area by Patch Size Class (0-50, 51-100, and >100 ha) by NDU	A minimum of 9 of 18 of the baseline targets for early patches will be achieved during the term of this SFMP
			1.1.4 - Degree of within-stand structural retention	5 - Snags / cavity Sites	Number of snags and/or live trees (>23 cm dbh) per ha on prescribed areas	Retain annually an average of at least 6 snags and/or live trees (>23cm dbh) per hectare on prescribed areas
				9 - Wildlife Tree Patches	Cumulative Wildlife Tree Patch percentage in blocks harvested under the FSJPPR in each Landscape Unit	Cumulative Wildlife Tree Patch % will meet or exceed the minimum target in each LU (Blueberry 6%, Halfway 3%, Kahntah 7%, Kobes 5%, Lower Beatton 8%, Milligan 6%, Tommy Lakes 3%, Trutch 5%, Sikanni 4%, Graham 4%, Crying Girl 6%)
Element 1.2 Species Diversity - Conserve species	**Species Richness**	**Suitable habitat elements for**	**1.2.1 - Degree of habitat**	5 - Snags / Cavity Sites	See indicator # 5	

diversity by ensuring that habitats for the native species found in the DFA are maintained through time, including habitats for known occurences of species at risk.		**indicator species. Maintain habitats for species at risk**	**protection for selected focal species, including species at risk ---------- 1.2.2 - Degree of suitable habitat in the long term for selected focal species, including species at risk**	6 - Coarse Woody Debris Volume	See indicator # 6	
				7 - Riparian Reserves	The number of non-compliances to riparian reserve zone standards	No non-compliances to riparian reserve zone standards
				8 - Shrubs	The proportion of shrub habitat (%) by Landscape Unit	Each landscape unit will meet or exceed the baseline target (%) proportion of shrub habitat
				9 - Wildlife Tree patches	See indicator # 9	
				11 - Species at Risk Stand Level Management Guidelines	The percentage of SLP's prepared annually for 'effected' cutblocks that incorporate one or more stand level species at risk management guidelines	100% of SLPs prepared annually for effected cutblocks will incorporate one or more species at risk management guidelines
				16 - Ungulate Winter Ranges, Wildlife Habitat Areas & MKMA	Proportion of activities consistent with the objectives of the Muskwa-Kechika Management Area (MKMA), and general wildlife measures for Ungulate Winter	All pilot Participant activities will be consistent with the objectives of the MKMA, and general wildlife measures for Ungulate Winter Ranges and Wildlife Habitat Areas
				17 - Representative Examples of Ecosystems	See indicator # 17	

			1.2.3 - Proportion of regeneration comprised of native species	10 - Invasive Plants / Noxious Weeds	The % prohibited and primary noxious weeds, and known invasive weed species of concern, in seed mix analysis	Seed mix analyses will have 0% content of prohibited and primary noxious weeds and known invasive plants, as identified in the most current publication of: "Listing of Invasive Plants", available from the Peace River Regional District
				13 - Coniferous Seeds	The percentage of seedlings and vegetative material used and planted in accordance with the Chief Forester's Standards for Seed Use (Nov.20, 2004) as amended from time to time	100% of seedlings and vegetative material will be used and planted in accordance with the Chief Forester's Standards for Seed Use (Nov.20, 2004), as amended from time to time
				14 - Aspen Regeneration	% natural regeneration of deciduous	100% natural regeneration for deciduous
Element 1.3 Genetic Diversity - Conserve genetic diversity by maintaining the variation of genes within species and ensuring that reforestation programs are free of genetically modified organisms	**Genetic Diversity**	**Conserve genetic diversity of tree stock**	**Non-Core**	13 - Coniferous Seeds	See indicator # 13	
				14 - Aspen Regeneration	See indicator # 14	
Element 1.4 Protected areas and sites of special biological and cultural significance - Respect protected areas identifierd through government processes. Co-operate in broader landscape management related to protected areas and sites of special biological and cultural	**Protect areas and Conservation Emphasis areas, for example Special Management Zones, Ecological Reserves, etc**	**To have representative areas of naturally occurring and important ecosystems and rare physical environments protected at**	**1.4.1 - Proportion of identified sites with implemented management strategies.**	15 - Class A Parks, Ecological Reserves & LRMP Designated Protected Areas	Hectares of forestry related harvesting or road construction within Class A parks, protected areas, ecological reserves, or LRMP designated protected areas	Zero hectares of forestry related harvesting or road construction within Class A parks, protected areas, ecological reserves, or LRMP designated protected areas

significance. Identify sites with special geological, biological, or cultural significance within the DFA, and implement management strategies appropriate to their long-term maintenance.		**both the broad and site-specific levels across or adjacent to the DFA.**		16 - Ungulate Winter Ranges, Wildlife Habitat Areas & MKMA	See indicator # 16	
				17 - Representative Examples of Ecosystems	See indicator # 17	
				18 - Graham Harvest Timing	The number of clusters in the Graham IRM Plan area where active operational harvesting is concurrently occurring	Operational harvesting within the Graham IRM Plan area will be constrained to no more than 1 'cluster' of cutblocks at any one time
				19 - Graham Merch Area	Cumulative merchantable area (hectares) within blocks harvested in the Graham IRM Plan area since 1997	The cumulative merchantable area (hectares) within harvested blocks will not exceed the planned maximum cumulative harvest areas, as measured at the end of each time period: Period 2 (April 2012): 6569 ha; Period 3 (April 2017): 9355 ha
				20 - Graham Connectivity	Area (hectares) harvested in cutblocks in the Graham IRM area, within the permanent alluvial and non-productive/non-commercial components of the connectivity corridors	Zero hectares harvested within cutblocks in the permanent alluvial and non-productive/non-commercial components of the connectivity corridors
				21 - MKMA	The number of long	A minimum of one long-term

				harvest	term harvest plans within the MKMA completed and submitted to government	harvest plan submitted no later than 1 year following government approval of a landscape unit objective under the MKMA Act, that applies to the Fort St. John TSA portion of the MKMA
				22 - River Corridors	The percentage of harvested areas that create openings greater than 1 hectare within 100 metres of RRZ's in identified major river corridors	No openings exceeding 1 hectare in blocks within the major river corridors harvested under the FSJPPR (i.e. after November 15, 2001)
				57 - Number of known Values and Uses addressed in Operational Planning	Percentage of known traditional site-specific aboriginal values and uses that are addressed in operational plans	100% of known traditional site-specific aboriginal values and uses identified will be addressed in operational plans
		Management strategies address important values in SMZ areas	**1.4.2 - Protection of identified sacred and culturally important sites**	15 - Class A Parks, Ecological Reserves & LRMP Designated Protected Areas	See indicator # 15	
				16 - Ungulate Winter Ranges, Wildlife Habitat Areas & MKMA	See indicator # 16	
				17 - Representative Examples of Ecosystems	See indicator # 17	

				18 - Graham Harvest Timing	See indicator # 18	
				19 - Graham Merch Area	See indicator # 19	
				20 - Graham Connectivity	See indicator # 20	
				21 - MKMA harvest	See indicator # 21	
				22 - River Corridors	See indicator # 22	
				57 - Number of known Values and Uses addressed in Operational Planning	See indicator # 57	
CCFM Criterion 2 – Maintenance and Enhancement of Forest Ecosystem Condition and Productivity						
Conserve forest ecosystem condition and productivity by maintaining the health, vitality, and rates of biological production.						
Element 2.1 Forest Ecosystem Resilience - Conserve ecosystem resilience by maintaining both ecosystem processes and ecosystem conditions.	**Ecosystem Resilience**	**Maintain a natural range of variability in ecosystem function, composition and structure with allows ecosystems to recover from disturbance and stress**	**2.1.1 - Reforestation success**	25 - Forest Health	Percentage of silviculture obligation areas with significant detected forest health damaging agents which have treatment plans developed for them	100% of silviculture obligation areas with significant forest health damaging agents will have treatment plans developed for them, and initiated within 1 year of detection
				27 - Silviculture Systems	Percentage of area harvested annually using even aged silviculture systems	Even aged silviculture systems will be employed on at least 80% of the total area harvested annually in the DFA
				28 - Species Composition	See indicator 28	

				29 - Reforestation Assessment	Predicted Merchantable Volume (PMV) (cubic meters) coniferous and separate deciduous surveyed areas.See indicator #2	Predicted Merchantable Volume will meet or exceed the Target Merchantable Volume (TMV). The TMV is set at 95% of the Maximum Predicted Merchantable Volume attainable on coniferous areas. The TMV is set at 90% of the Maximum Predicted Merchantable Volume attainable on deciduous areas
				30 - Establishment Delay	Establishment Delay (years)	The area weighted average establishment delay for coniferous regeneration will not exceed two years. The area weighted average establishment delay for deciduous regeneration will not exceed three years. The area weighted average establishment delay for mixedwood stands regeneration will not exceed three years
			Non-Core	2 - Seral Stage	See indicator # 2	
				9 - Wildlife Tree Patches	See indicator # 9	
				24 - Permanent Access Structures	Percentage of the total area in Managing Participants' cutblocks occupied by permanent access structures, in which harvesting was completed	A maximum of 5% of the total area in Managing Participants' cutblocks occupied by permanent access structures in which harvesting was completed, as determined on a 3 year rolling average

				26 - Salvage	The relative proportion of area of merchantable fire-damaged stands salvaged within a management intensity class	The relative proportions of salvage will be highest in the high intensity zones, and lowest in the low intensity zones over the SFM Plan period (April 1, 2010 - March 31, 2016)
				49 - Forest Health FOS Planning	Percentage of new conifer-leading harvest blocks in the 2010 FOS that are pine-leading	A minimum of 60% of new conifer-leading harvest blocks in the 2010 FOS will be pine-leading
Element 2.2 Forest Ecosystem Productivity - Conserve forest ecosystem productivity and productive capacity by maintaining ecosystem conditions that are capable of supporting naturally occurring species. Reforest promptly and use tree species ecologically suited to the site	**Ecosystem Productivity**	**Ecosystem functions capable of supporting naturally occurring species exist within the range of natural variability**	**2.2.1 - Additions and deletions to the forest area**	24 - Permanent Access Structures	See indicator # 24	
				40 - Coordinated Developments	Number of coordinated developments	Report annually the number of proposed coordinated developments that occurred
				66 - Deletions to Forest Area	Percentage of gross corwn forest landbased in the DFA converted to non-forest land use through forest management activities of theparticipants during the term of SFMP #2.	Less than 0.6% of the gross crown forest landbase in the DFA will be converted to non-forest land use through forest management activities of the participants during the term of SFMP #2.
	Productive Capacity for Timber	**Maintain or enhance landscape level productivity**	**2.2.2 - Proportion of the calculated long-term sustainable harvest level that is actually harvested**	25 - Forest Health	See indicator # 25	
				31 - Long Term Harvest Level	Long-term harvest level (LTHL) as measured in cubic metres per year (m^3/yr)	We will propose an Allowable Annual Cut (AAC) that sustains the LTHL of the Defined Forest Area (DFA)

				32 - Site Index	Site index	Average post harvest site index will not be less than average pre-harvest site index on blocks harvested under the pilot project regulation
				53 - Cut Control	Percentage of total Allowable Annual Cut (AAC) charged to licensee tenure holders or BCTS Participants during the term of the SFMP	Jan 1 2010- Dec 31 2016: Industry Participants: -Not to exceed 110% of the combined cumulative coniferous AAC for the 6 year period, -Not to exceed 110% of the combined cumulative deciduous AAC for the 6 year period. BCTS Participant: -Not to exceed 110% of the combined cumulative coniferous commitment offered for sale for the 6 year period, -Not to exceed 110% of the combined cumulative deciduous commitment offered for sale for the 6 year period
CCFM Criterion 3 – Conservation of Soil and Water Resources						
Conserve soil and water resources by maintaining their quantity and quality in forest ecosystems.						
Element 3.1 Soil Quality and Quantity - Conserve soil resources by maintaining soil quality and quantity	**Soil Productivity**	**Protect soil resources to sustain productive forests**	**3.1.1 - Level of Soil Disturbance**	4 - Soil Disturbance	Number of blocks with non-conformances to soil disturbance limits reported annually by Managing Participant	Zero blocks will have non conformances to soil disturbance limits
				32 - Site Index	See indicator # 32	

			3.1.2 - Level of downed woody debris	6 - Coarse Woody Debris Volume	See indicator # 6	
Element 3.2 Water Quality and Quantity - Conserve water resources by maintaining water quality and quantity	**Water Quantity**	**Maintenance of water quantity**	**3.2.1 - Proportion of watershed or water management areas with recent stand-replacing disturbance**	34 - Peak Flow Index	The percentage of watersheds achieving baseline targets for the peak flow index and the percent of watershed reviews completed where the baseline target is exceeded	95% or more of the watersheds will be below the baseline target. All watersheds that exceed the baseline target will have a watershed review completed wherever new harvesting is planned
		Maintenance of water quality	**Non-Core**	7 - Riparian Reserves	See indicator # 7	
				35 - Water Quality Concern Ratings	The percentage of surveyed stream crossings annually identified with a high WQCR rating on forestry roads within the DFA for which participants have stewardship (*WQCR – water quality concern rating)	On an annual basis, fewer than 30% of the total number of surveyed stream crossings on roads for which the participants have stewardship will have 'High' WQCR

				36 - Protection of Stream banks and Riparian Values of Small Streams	The number of annual non-conformances to SLP measures related to protecting stream bank, stream channel stability and riparian vegetation from harvesting or silviculture activities	No non-conformances to SLP measures related to protecting stream bank, stream channel stability and riparian vegetation from to harvesting or silviculture activities
				37 - Spills Entering Water Bodies	Number of spills of a reportable substance (i.e. antifreeze, diesel fuel, gasoline, greases, hydraulic oil, lubricating oil, methyl hydrate, paints and paint thinners, solvents, pesticides, and explosives) entering water bodies	Zero spills entering water bodies
CCFM Criterion 4 – Forest Ecosystem Contributions to Global Ecological Cycles						
Maintain forest conditions and management activities that contribute to the health of global ecological cycles.						
Element 4.1 Carbon Uptake and Storage - Maintain the processes that take carbon from the atmosphere and store it in forest ecosystems.	**Carbon Uptake and Storage**	**Maintenance of the processes for carbon uptake and storage**	**4.1.1 - Net Carbon Uptake**	24 - Permanent Access Structures	See indicator # 24	
				29 - Reforestation Assessment	See indicator # 29	
				30 - Establishment Delay	See indicator # 30	

				38 - Carbon Sequestration Rate	Maintenance of DFA Average carbon sequestration rates	Maintain DFA average carbon sequestration rates that are consistent with or greater than natural sequestration rates
				39 - Ecosystem Carbon Storage	The percentage of ecosystem carbon stored in the Fort St. John DFA relative to projected natural levels	Maintain ecosystem carbon storage at a minimum of 95% of projected natural storage levels
Element 4.2 Forest Land Conversion - Protect forest lands from deforestation or conversion to non-forests, where ecologically appropriate.	**Forest Land Base**	**Sustain forest lands within our control within the DFA**	**2.1.1 - Reforestation Success**	See indicators # 25, 27, 28, 29, 30 (related to CSA z809-08 Core Indicator 2.1.1 above)		
			2.2.1 - Additions and deletions to the forest area	See indicators # 24, 40, 55 (related to CSA z809-08 Core Indicator 2.2.1 above)		
CCFM Criterion 5 – Multiple Benefits to Society						
Sustain flows of forest benefits for current and future generations by providing multiple goods and services.						
Element 5.1 Timber and Non-Timber Benefits - Manage the forest sustainably to produce an acceptable and feasible mix of timber and non-timber benefits. Evaluate timber and non-timber forest products and forest-based services.	**Timber and Non-Timber Multi-use Benefits**	**Provide opportunities for a feasible mix of timber, recreational activities, and non-timber commercial activities**	**5.1.1 - Quantity and quality of timber and non-timber benefits, products, and services produced in the DFA**	18 - Graham Harvest Timing	See indicator # 18	
				19 - Graham Merch Area	See indicator # 19	
				21 - MKMA harvest	See indicator # 21	
				31 - Long Term harvest Level (Timber)	See indicator # 31	

				41 - Range Action Plan	Percent consistency with mutually agreed upon action plans for range	Operations 100% consistent with resultant range action plans
				42 - Damage to Range Improvements	Number of range improvements damaged by Participants' activities	Zero range improvements damaged by Participants' activities
				43 - Recreation Sites (Non - Timber)	The number of recreation sites maintained by Participants	Participants will maintain a minimum of one recreational site within the DFA
				44 - Visual Quality Objectives	Consistency with Visual Quality Objectives (VQO's)	Pilot Participants' forest operations will be consistent with the established VQO's
				45 - Recreation Opportunity Spectrum	Area in primitive and semi-primitive non-motorized classifications of the Recreation Opportunity Spectrum (ROS) for the Graham, Sikanni and Crying Girl LU's	A minimum of 65,839 ha in primitive ROS area (100% of 1996 primitive ROS area) and 180,726 ha in semi primitive non-motorized ROS area (50% of the 1996 total semi primitive NM ROS area) in the combined Graham, Crying Girl and Sikanni LU's (excluding the Graham Laurier and Redfern-Keily PA's)
				46 - Actions Addressing Guides, Trappers, and Other Intersts	Percentage of operations consistent with mutually agreed upon action plans for guides, trappers and other known non-timber commercial interests	100% of operations will be consistent with action plans for guides, trappers and other non-timber commercial interests

				47 - Timber processed in the DFA (Timber)	Volume of timber processed in the DFA in proportion to volume harvested in the DFA	The annual equivalent of a minimum of 70% of the DFA's harvest is primary processed in the DFA
				48 - Summer and Fall Volume Deliveries	See Indicator # 48	
			Non - Core	51 - Timber Profile - Deciduous (Timber)	The area(ha) of deciduous leading cutblocks identified in Supply Block F for harvest during the term of the SFMP	A minimum of 200 ha of deciduous leading cutblocks located in Supply Block F will be identified for harvest during the term of the new SFMP
				52 - Timber Profile - Coniferous (Timber)	The percentage of the total cutblock area in harvested blocks that was identified as preharvest height-class two pine inventory types	April 1, 2006 - March 31st, 2011: 8% or more of the total coniferous cutblock area harvested by managing Participants during the 5-year period will be in height-class two pine inventory types. April 1, 2011- March 31st, 2016: 8% or more of the total coniferous cutblock area harvested by managing Participants during the 5-year period will be in height-class two pine inventory types.
				53 - Cut Control (Timber)	See indicator # 53	

Element 5.2 Communities and Sustainability - Contribute to the sustainability of communities by providing diverse opportunities to derive benefits from forests and by supporting local community economies.	**Sustainable and Viable Communities**	**Maintain viable timber processing facilities in the DFA. No decrease in the LTHL in the DFA**	**5.2.1 - Level of investment in initiatives that contribute to community sustainability**	47 - Timber Processed in the DFA	See Indicator # 47	
				48 - Summer and Fall Volume Deliveries	Volume of timber (m^3) delivered annually to wood processing facilities within the Fort St. John Defined Forest Area (DFA) wood processing facilities between May 1st and November 30th	Minimum of 100,000 m^3 to conifer mills in the DFA, Minimum of 185,000 m^3 to deciduous mills in the DFA
				50 - Coordination	Percentages of SFMP's and FOS's prepared jointly by the Participants	100% of all SFMP's and FOS's will be jointly prepared by the Participants
				51 - Timber Profile - Deciduous	See indicator # 51	
				52 - Timber Profile - Coniferous	See Indicator # 52	
				54 - Dollars Spent Locally on each Woodlands Phase	Percentage of dollars spent locally on each woodlands phase in proportion to total expenditures	Woodlands Phases to be monitored:
						Logging/hauling: minimum of 80%
						Road construction and maintenance: minimum of 80%
						Silviculture: minimum of 5%
						Planning and administration: minimum of 50%

				55 - Direct and Indirect Employment	Level of direct and indirect employment	Report the current level of direct and indirect employment expressed as a factor of harvest level times employment multiplier
			Non - Core	31 - Long Term Harvest Level	See Indicator # 31	
				53 - Cut Control	See Indicator # 53	
	Contribute to Worker and Public Safety. Communities Participate in the Use and Management of the Forest	**Provide a safe work environment for DFA forestry workers and the public. Diverse local forest employment opportunities exist in the DFA**	**5.2.2 - Level of investment in training and skills development**	63 - Worker Training	Percentage of managing participants' employees training that is consistent with training plans	100% of managing participants' employees will have training consistent with training plans
				12 - Forest Workers Safety	Implementation and maintenance of certified safety program	Each managing participant will implement and maintain a certified safety program
			5.2.3 - Level of direct and indirect employment	48 - Summer and Fall Volume Deliveries	See Indicator # 48	
				54 - Dollars Spent Locally on Each Woodlands Phase	See Indicator # 54	
				55 - Direct and Indirect Employment	See Indicator # 55	
			5.2.4 - Level of Aboriginal participation in the forest economy	23 - Value and Total Number of contracts Awarded to First Nations	Value and total number of contracts awarded annually to First Nations	Report the annual total value and number of contracts awarded to companies or groups owned or operated by First Nations

CCFM Criterion 6 – Accepting Society's Responsibility for Sustainable Development						
Society's responsibility for sustainable forest management requires that fair, equitable, and effective forest management decisions are made.						
Element 6.1 Aboriginal and Treaty Rights - Recognize and respect Aboriginal title and rights, and treaty rights. Understand and comply with curent legal requirements related to aboriginal title and rights, and treaty rights.	**Aboriginal and Treaty Rights**	**Recognition of Treaty 8 rights and respect of aboriginal rights through maintenance of landscape level biodiversity**	**6.1.1 - Evidence of a good understanding of the nature of Aboriginal title and rights**	33- First Nations Consultation & Information Sharing	Percentage of affected First Nations invited to participate in information sessions or presentations related to the participants' practices and /or plans (SFMP, FOS, and PMP's)	100% of affected First Nations will be invited to participate in information sessions or presentations related to the participants' practices and /or plans (SFMP, FOS, and PMP's)
				56 - Maintenance of Wildlife and Fisheries Habitat	Conformance to the SFMP indicators and targets pertinent to the maintenance of wildlife and fisheries habitat	Participants will conform to the identified SFMP indicators and targets pertinent to the maintenance of wildlife and fisheries habitat
			6.1.2 - Evidence of best efforts to obtain acceptance of management plans based on aboriginal communities having a clear understanding of the plans	33- First Nations Consultation & Information Sharing	See Indicator # 33	

			6.1.3 - Level of management and/or protection of areas where culturally important practices and activities (hunting, fishing, gathering) occur	33 - First Nations Consultation & Information Sharing	See Indicator # 33	
				57 - Number of Known values and Uses Addressed in Operational Planning	See Indicator # 57	
				62 - Brushing Program Aerial Herbicide Use	The number of hectares removed annually from the participants' aerial herbicide plans based on input from First Nations or the public and final treatment layout	The participants will report annually, the number of hectares removed from the participants' aerial herbicide plans based on input from First Nations or the public and final treatment layout
Element 6.2 Respect for Aboriginal Forest Values, Knowledge and Uses - Respect traditional Aboriginal forest values, knowledge, and uses as identified through the Aboriginal input process.	**Aboriginal Forest Values, and Uses**	**Respect known traditional aboriginal forest values and uses. Involve First nations in review of forest management plans, provide understanding of forest management plans.**	**6.2.1 - Evidence of understanding and use of Aboriginal Knowledge through the engagement of willing Aboriginal communities, using a process that identifies and**	33 - First Nation Consultation & Information Sharing	See Indicator # 33	
				57 - Number of Known values and Uses Addressed in Operational Planning	See Indicator # 57	

			manages culturally important resources and values	62 - Brushing Program Aerial Herbicide Use	See Indivator # 62	
Element 6.3 Forest Community Well-Being and Resilience - Encourage, co-operate with, or help to provide opportunities for economic diversity within the community.	**Fair Distribution of Benefits and Costs**	**Provide opportunities for a range of interests to access benefits**	**6.3.1 - Evidence that the organization has co-operated with other forest - dependent businesses, forest users, and the local community to strengthen and diversify the local economy**	23 - Value and Total Number of contracts Awarded to First Nations	See Indicator # 23	
				41 - Range Action Plan	See indicator # 41	
				46 - Actions Addressing Guides, Trappers, and Other Intersts	See Indicator # 46	
				47 - Timber Processed in the DFA	See Indicator # 47	
				54 - Dollars Spent Locally on Each Woodlands Phase	See indicator # 54	

				55 - Direct and Indirect Employment	See Indicator # 55	
		Provide opportunities for First Nations to participate in forest economy. ---------- Development of Skilled Workers	**6.3.2 - Evidence of co-operation with DFA - related workers and their unions to improve and enhance safety standards, procedures, and outcomes in all DFA - related workplaces and affected communities ---------- 6.3.3 - Evidence that a worker safety program has been implemented and is periodically reviewed and improved**	12 - Forest Workers Safety	See Indicator # 12	
				63 - Worker Training	See Indicator # 63	

			Non - Core	23 - Value and Total Number of contracts Awarded to First Nations	See Indicator # 23	
Element 6.4 Fair and effective decision - making - Demonstrate that SFM public participation process is designed and functioning to the satisfaction of the participants and that there is general public awareness of the process and its progress.	**Opportunity for Public participation**	**To facilitate a satisfactory public participation process. To develop satisfaction with the public participation process**	**6.4.1 - level of participant satisfaction with the public participation process**	59 - Terms of Reference (TOR) for the Public Participation Process.	Current Terms of reference (TOR) for the FSJPPR public participation process	Biennial review of the TOR for the FSJPPR public participation process (PAG)
				64 - PAG Satisfaction Surveys	Level of satisfaction with the public participation process as measured by PAG surveys	At least an 80% (average score of 4 out of 5) satisfaction level as measured from PAG surveys
			6.4.2 - Evidence of efforts to promote capacity development and meaningful participation in general	41 - Timber Range Action Plans	See Indicator # 41	
				46 - Actions Addressing Guides, Trappers, and Other Intersts	See indicator # 46	
				58 - Regulatory Public Review and comment Process	Compliance with the public review and comment process identified in the FSJ Pilot Project Regulation	100% compliance with public review and comment processes identified in the FSJ Pilot Project Regulation

				59 - Terms of Reference (TOR) for the Public Participation Process.	See Indicator # 59	
				60 - Public Inquiries	The percentage of timely responses to public inquiries	Respond to 100% of public inquiries regarding Participants' forestry practices, that are additional to the Pilot Public Review and Comment processes, within one month of receipt
				61 - Educational Outreach	Number of people to whom information, presentations, or field trips provided annually	Minimum of 40 people provided information, presentations, or field trips
				64 - PAG Satisfaction Surveys	See Indicator # 64	
			6.4.3 - Evidence of efforts to promote capacity development and meaningful participation for Aboriginal communities	23 - Value and Total Number of contracts Awarded to First Nations	See Indicator # 23	
				33 - First Nations Consultation & Information Sharing	See Indicator # 33	

				57 - Number of Known values and Uses Addressed in Operational Planning	See Indicator # 57	
				60 - Public Inquiries	See Indicator # 60	
Element 6.5 Information for decision - making - Provide relevant information and educational opportunities to interested parties to support their involvement in the public participation process, and increase knowledge of ecosystem processes and human interactions with forest ecosystems.	**Information for Decision-making**	**Relevant information used in the decision making process is provided to PAG, general public, and affected parties**	**6.5.1 - Number of people reached through educational outreach**	61 - Educational Outreach	See Indicator # 61	
			6.5.2 - Availability of summary information on issues of concern to the public	60 - Public Inquiries	See Indicator # 60	
				65 - Availability of Information on Issues of Concern	SFM Monitoring report made available to the public	SFM monitoring report made available to the public annually

List of CSA Matrix Revisions

SFMP Amendment #2 and #3

- CSA SFM Elements re-numbered and core indicators included, to align with CSA Z809-08 standard.
- Existing Indicators #54 & #55 revised as indicated via SFMP Amendment #2, became effective April 1, 2012.
- New Indicator #66 added to SFMP, via Amendment #2, became effective April 1, 2012.
- New indicator #67 added to SFMP, via Amendment #3, becomes effective for monitoring purposes April 1, 2015.

Appendix 3: Access Management

Table 42: Road / Bridge Construction Activity – Forest Licensees 2016-2017

Steward	Road Name	Start (m)	End (m)	Metres Constructed	Completion Date	Season	Operating Area	Construction Type
Canfor	01-009-01	0	842	842	2/28/2017	Winter	Inga Lake	Subgrade
Canfor	01-011-00	992	1276	284	3/11/2017	Winter	Inga Lake	Subgrade
Canfor	01-248-01	0	2937	2937	3/25/2017	Summer	Inga Lake	Subgrade
Canfor	01-248-02	0	1042	1042	3/15/2017	Summer	Inga Lake	Subgrade
Canfor	01-248-03	0	399	399	3/15/2017	Summer	Inga Lake	Subgrade
Canfor	01-330-01	0	452	452	2/25/2017	Summer	Inga Lake	Subgrade
Canfor	01-332-01	0	311	311	2/25/2017	Summer	Inga Lake	Subgrade
Canfor	01-334-00	0	398	398	2/15/2017	Summer	Inga Lake	Subgrade
Canfor	02-020-00	1667	6439	4772	7/28/2016	Winter	R10807 Section A	Upgrading
Canfor	02-020-00	1667	6439	4772	7/29/2016	Winter	R10807 Section A	Surfacing
Canfor	02-020-02	0	530	530	7/13/2016	Winter	South Blueberry	Upgrading
Canfor	02-020-02	0	530	530	8/2/2016	Winter	South Blueberry	Surfacing
Canfor	02-020-04	0	843	843	8/1/2016	Winter	South Blueberry	Upgrading
Canfor	02-020-04	0	843	843	8/20/2016	Winter	South Blueberry	Surfacing
Canfor	02-023-00	0	547	547	10/5/2016	Summer	South Blueberry	Subgrade
Canfor	02-023-00	0	547	547	10/7/2016	Summer	South Blueberry	Surfacing
Canfor	02-023-01	0	284	284	9/25/2016	Summer	South Blueberry	Subgrade
Canfor	02-023-01	0	284	284	10/11/2016	Summer	South Blueberry	Surfacing
Canfor	02-023-02	0	535	535	9/29/2016	Summer	South Blueberry	Subgrade
Canfor	02-023-02	0	535	535	10/4/2016	Summer	South Blueberry	Surfacing
Canfor	02-024-01	0	734	734	3/10/2017	Summer	South Blueberry	Subgrade
Canfor	02-024-02	0	461	461	3/10/2017	Summer	South Blueberry	Subgrade
Canfor	02-090-01	0	512	512	10/15/2016	Summer	South Blueberry	Subgrade
Canfor	02-090-02	0	796	796	10/15/2016	Summer	South Blueberry	Subgrade
Canfor	02-163-00	0	3872	3872	8/2/2016	Summer	South Blueberry	Subgrade
Canfor	02-163-00	0	3872	3872	8/10/2016	Summer	South Blueberry	Surfacing
Canfor	02-163-01	0	1373	1373	8/8/2016	Summer	South Blueberry	Subgrade
Canfor	02-163-01	0	1373	1373	8/18/2016	Summer	South Blueberry	Surfacing
Canfor	02-163-02	0	464	464	8/2/2016	Summer	South Blueberry	Subgrade
Canfor	02-163-03	0	593	593	7/25/2016	Summer	South Blueberry	Subgrade
Canfor	02-163-04	0	514	514	8/3/2016	Summer	South Blueberry	Subgrade
Canfor	02-163-05	0	254	254	8/10/2016	Summer	South	Subgrade

							Blueberry	
Canfor	02-163-06	0	491	491	8/20/2016	Summer	South Blueberry	Subgrade
Canfor	02-165-00	0	3505	3505	8/15/2016	Summer	South Blueberry	Subgrade
Canfor	02-165-00	0	3505	3505	8/19/2016	Summer	South Blueberry	Surfacing
Canfor	02-165-01	0	832	832	8/13/2016	Summer	South Blueberry	Subgrade
Canfor	02-165-01	0	832	832	8/25/2016	Summer	South Blueberry	Surfacing
Canfor	02-165-02	0	235	235	9/1/2016	Summer	South Blueberry	Subgrade
Canfor	02-188-01	0	781	781	7/11/2016	Summer	South Blueberry	Subgrade
Canfor	02-188-02	0	236	236	7/11/2016	Summer	South Blueberry	Subgrade
Canfor	02-192-00	0	645	645	7/11/2016	Summer	South Blueberry	Subgrade
Canfor	02-192-01	0	694	694	7/11/2016	Summer	South Blueberry	Subgrade
Canfor	02-192-02	0	1218	1218	7/11/2016	Summer	South Blueberry	Subgrade
Canfor	02-192-03	0	1149	1149	7/11/2016	Summer	South Blueberry	Subgrade
Canfor	02-229-01	0	82	82	7/15/2016	Summer	South Blueberry	Subgrade
Canfor	02-229-02	0	376	376	7/1/2016	Summer	South Blueberry	Subgrade
Canfor	02-229-03	0	1134	1134	7/1/2016	Summer	South Blueberry	Subgrade
Canfor	02-229-04	0	459	459	7/1/2016	Summer	South Blueberry	Subgrade
Canfor	02-229-05	0	542	542	7/1/2016	Summer	South Blueberry	Subgrade
Canfor	02-231-01	0	468	468	7/1/2016	Summer	South Blueberry	Subgrade
Canfor	02-231-03	0	815	815	7/1/2016	Summer	South Blueberry	Subgrade
Canfor	02-301-00	0	515	515	9/2/2016	Summer	South Blueberry	Subgrade
Canfor	02-301-01	0	1310	1310	9/3/2016	Summer	South Blueberry	Subgrade
Canfor	03-036-01	0	273	273	10/15/2016	Summer	North Blueberry	Subgrade
Canfor	03-036-01	0	273	273	10/15/2016	Summer	North Blueberry	Surfacing
Canfor	03-036-02	0	437	437	10/15/2016	Summer	North Blueberry	Surfacing
Canfor	03-036-02	0	767	767	10/15/2016	Summer	North Blueberry	Subgrade
Canfor	03-036-03	0	205	205	10/15/2016	Summer	North Blueberry	Surfacing
Canfor	03-036-03	0	544	544	10/15/2016	Summer	North Blueberry	Subgrade
Canfor	03-036-04	0	243	243	10/15/2016	Summer	North Blueberry	Subgrade
Canfor	03-036-04	0	243	243	10/15/2016	Summer	North Blueberry	Surfacing
Canfor	03-041-02	0	1173	1173	8/15/2016	Summer	North Blueberry	Subgrade
Canfor	03-041-02	0	1173	1173	8/15/2016	Summer	North Blueberry	Surfacing
Canfor	03-041-03	0	484	484	8/15/2016	Summer	North Bllueberry	Subgrade
Canfor	03-042-00	0	1478	1478	8/15/2016	Summer	North Blueberry	Surfacing

Canfor	03-042-00	0	2765	2765	8/15/2016	Summer	North Blueberry	Subgrade
Canfor	03-042-01	0	1158	1158	8/15/2016	Summer	North Blueberry	Subgrade
Canfor	03-042-02	0	851	851	8/15/2016	Summer	North Blueberry	Subgrade
Canfor	03-042-02	0	851	851	8/15/2016	Summer	North Blueberry	Surfacing
Canfor	03-112-01	0	856	856	7/13/2016	Summer	North Blueberry	Subgrade
Canfor	03-112-02	0	126	126	7/13/2016	Summer	North Blueberry	Subgrade
Canfor	03-112-03	0	682	682	8/1/2016	Summer	North Blueberry	Subgrade
Canfor	03-112-04	0	210	210	7/6/2016	Summer	North Blueberry	Subgrade
Canfor	03-112-05	0	1840	1840	8/1/2016	Summer	North Blueberry	Subgrade
Canfor	03-112-06	0	452	452	7/26/2016	Summer	North Blueberry	Subgrade
Canfor	03-112-07	0	221	221	8/1/2016	Summer	North Blueberry	Subgrade
Canfor	03-112-08	0	190	190	7/26/2016	Summer	North Blueberry	Subgrade
Canfor	03-112-09	0	301	301	7/31/2016	Summer	North Blueberry	Subgrade
Canfor	03-120-03	0	1090	1090	7/15/2016	Summer	North Blueberry	Surfacing
Canfor	03-121-03	0	664	664	7/1/2016	Summer	North Blueberry	Subgrade
Canfor	04-070-00	0	1100	1100	10/10/2016	Winter	Wonowon	Subgrade
Canfor	04-070-00	1100	1510	410	11/23/2016	Winter	Wonowon	Subgrade
Canfor	04-070-01	0	812	812	11/23/2016	Winter	Wonowon	Subgrade
Canfor	04-070-02	0	925	925	10/31/2016	Winter	Wonowon	Subgrade
Canfor	04-070-03	0	340	340	10/31/2016	Winter	Wonowon	Subgrade
Canfor	04-071-01	0	703	703	11/4/2016	Summer	Wonowon	Subgrade
Canfor	04-071-02	0	323	323	11/5/2016	Summer	Wonowon	Subgrade
Canfor	04-071-03	0	570	570	11/10/2016	Summer	Wonowon	Subgrade
Canfor	04-071-04	0	244	244	11/10/2016	Summer	Wonowon	Subgrade
Canfor	04-076-00	0	1422	1422	11/24/2016	Winter	Wonowon	Subgrade
Canfor	04-080-01	0	1530	1530	1/6/2017	Summer	Wonowon	Subgrade
Canfor	04-080-02	0	1812	1812	12/20/2016	Summer	Wonowon	Subgrade
Canfor	04-080-03	0	559	559	1/5/2017	Summer	Wonowon	Subgrade
Canfor	04-082-01	0	587	587	2/13/2017	Summer	Wonowon	Subgrade
Canfor	04-083-00	0	185	185	11/25/2016	Summer	Wonowon	Subgrade
Canfor	04-083-00	186	2000	1814	11/29/2016	Summer	Wonowon	Subgrade
Canfor	04-083-00	2000	4503	2503	2/7/2017	Summer	Wonowon	Subgrade
Canfor	04-083-01	0	352	352	2/7/2017	Summer	Wonowon	Subgrade
Canfor	04-083-02	0	490	490	2/7/2017	Summer	Wonowon	Subgrade
Canfor	04-083-03	0	326	326	2/7/2017	Summer	Wonowon	Subgrade
Canfor	04-084-00	0	2698	2698	11/30/2016	Summer	Wonowon	Subgrade
Canfor	04-093-00	0	691	691	10/15/2016	Summer	Wonowon	Subgrade
Canfor	04-125-01	0	732	732	7/30/2016	Summer	Wonowon	Subgrade
Canfor	04-125-02	0	708	708	7/30/2016	Summer	Wonowon	Subgrade
Canfor	04-125-03	0	295	295	7/30/2016	Summer	Wonowon	Subgrade

Canfor	04-127-01	0	520	520	7/5/2016	Summer	Wonowon	Subgrade
Canfor	04-127-02	0	791	791	7/1/2016	Summer	Wonowon	Subgrade
Canfor	04-127-03	0	402	402	7/1/2016	Summer	Wonowon	Subgrade
Canfor	04-137-00	0	1821	1821	8/30/2016	Winter	Wonowon	Subgrade
Canfor	04-137-01	0	1676	1676	8/31/2016	Winter	Wonowon	Subgrade
Canfor	04-151-01	0	1180	1180	8/30/2016	Summer	Wonowon	Subgrade
Canfor	06-035-12	0	1397	1397	8/8/2016	Summer	Blair Creek	Subgrade
Canfor	06-035-13	0	653	653	8/8/2016	Summer	Blair Creek	Subgrade
Canfor	06-035-14	0	2041	2041	8/8/2016	Summer	Blair Creek	Subgrade
Canfor	06-035-15	0	220	220	8/8/2016	Summer	Blair Creek	Subgrade
Canfor	06-044-00	0	1976	1976	10/15/2016	Summer	Blair Creek	Subgrade
Canfor	06-044-10	0	3007	3007	10/15/2016	Summer	Blair Creek	Subgrade
Canfor	06-052-00	0	643	643	6/15/2016	Summer	Blair Creek	Surfacing
Canfor	06-052-00	1504	2013	509	6/15/2016	Summer	Blair Creek	Surfacing
Canfor	06-052-03	0	796	796	6/15/2016	Summer	Blair Creek	Subgrade
Canfor	06-052-03	0	796	796	6/15/2016	Summer	Blair Creek	Surfacing
Canfor	06-052-04	0	965	965	6/15/2016	Summer	Blair Creek	Subgrade
Canfor	06-052-05	0	134	134	6/15/2016	Summer	Blair Creek	Subgrade
Canfor	06-052-06	0	1758	1758	6/15/2016	Summer	Blair Creek	Surfacing
Canfor	06-052-07	0	268	268	6/15/2016	Summer	Blair Creek	Surfacing
Canfor	06-052-08	0	691	691	6/15/2016	Summer	Blair Creek	Surfacing
Canfor	06-052-09	0	247	247	6/15/2016	Summer	Blair Creek	Surfacing
Canfor	06-052-11	0	524	524	6/15/2016	Summer	Blair Creek	Surfacing
Canfor	06-056-00	0	3554	3554	3/10/2017	Summer	Blair Creek	Subgrade
Canfor	06-093-00	0	2949	2949	7/15/2016	Summer	Blair Creek	Surfacing
Canfor	06-093-01	0	782	782	7/15/2016	Summer	Blair Creek	Surfacing
Canfor	06-093-02	0	494	494	7/15/2016	Summer	Blair Creek	Surfacing
Canfor	06-093-03	0	398	398	7/15/2016	Summer	Blair Creek	Surfacing
Canfor	06-093-05	0	297	297	6/15/2016	Summer	Blair Creek	Subgrade
Canfor	06-108-00	0	434	434	8/8/2016	Summer	Blair Creek	Subgrade
Canfor	06-66538-2-01	1200	2087	887	8/8/2016	Winter	Blair Creek	Upgrading
Canfor	19-072-00	0	2826	2826	11/15/2016	Summer	Laprise Creek	Subgrade
Canfor	19-072-01	0	191	191	11/2/2016	Summer	Laprise Creek	Subgrade
Canfor	19-072-02	0	268	268	11/10/2016	Summer	Laprise Creek	Subgrade
Canfor	19-072-03	0	518	518	12/8/2016	Summer	Laprise Creek	Subgrade
Canfor	19-081-00	0	631	631	1/10/2017	Summer	Laprise Creek	Subgrade
Canfor	23-070-00	0	2680	2680	9/30/2016	Summer	Cameron River	Subgrade
Canfor	23-070-03	0	1323	1323	3/15/2017	Summer	Cameron River	Subgrade
Canfor	23-070-05	0	300	300	3/15/2017	Summer	Cameron River	Subgrade
Canfor	23-070-06	0	786	786	9/15/2016	Summer	Cameron River	Subgrade
Canfor	24-051-00	0	1086	1086	12/15/2016	Summer	Jedney Creek	Subgrade
Canfor	24-051-01	0	1129	1129	12/15/2016	Summer	Jedney Creek	Subgrade

Canfor	24-051-02	0	807	807	12/15/2016	Summer	Jedney Creek	Subgrade
Canfor	24-051-03	0	361	361	12/15/2016	Summer	Jedney Creek	Subgrade
Canfor	24-226-00	0	348	348	12/15/2016	Summer	Jedney Creek	Subgrade
Canfor	24-226-01	0	274	274	12/15/2016	Summer	Jedney Creek	Subgrade
Canfor	24-227-00	0	558	558	12/15/2016	Summer	Jedney Creek	Subgrade
Canfor	24-227-01	0	296	296	12/15/2016	Summer	Jedney Creek	Subgrade
Canfor	25-040-00	0	1482	1482	3/7/2017	Summer	Alces River	Subgrade
Canfor	25-064-00	0	510	510	3/16/2017	Summer	Alces River	Subgrade
Canfor	27-034-01	0	2080	2080	2/16/2017	Summer	Montney Creek	Subgrade
Canfor	27-034-02	0	307	307	1/6/2017	Summer	Montney Creek	Subgrade
Canfor	27-034-04	0	578	578	2/17/2017	Summer	Montney Creek	Subgrade
Canfor	27-034-05	0	418	418	1/10/2017	Summer	Montney Creek	Subgrade
Canfor	27-034-06	0	419	419	2/10/2017	Summer	Montney Creek	Subgrade
Canfor	27-034-07	0	641	641	1/5/2017	Summer	Montney Creek	Subgrade
Canfor	27-035-01	0	3221	3221	2/3/2017	Summer	Montney Creek	Subgrade
Canfor	27-035-02	0	3047	3047	1/27/2017	Summer	Montney Creek	Subgrade
Canfor	27-035-03	0	329	329	1/13/2017	Summer	Montney Creek	Subgrade
Canfor	27-035-04	0	311	311	1/18/2017	Summer	Montney Creek	Subgrade
Canfor	27-036-01	0	2080	2080	2/15/2017	Winter	Montney Creek	Subgrade
Canfor	27-036-02	0	713	713	2/15/2017	Winter	Montney Creek	Subgrade
Canfor	27-046-01	0	2218	2218	12/15/2016	Summer	Montney Creek	Subgrade
Canfor	27-046-02	0	1738	1738	12/15/2016	Summer	Montney Creek	Subgrade
Canfor	27-046-03	0	604	604	12/15/2016	Summer	Montney Creek	Subgrade
Canfor	27-049-01	0	1056	1056	2/15/2017	Summer	Montney Creek	Subgrade
Canfor	27-053-01	0	661	661	2/15/2017	Summer	Montney Creek	Subgrade
Canfor	27-055-01	0	437	437	2/15/2017	Summer	Montney Creek	Subgrade
Canfor	27-056-01	0	218	218	2/15/2017	Summer	Montney Creek	Subgrade
Canfor	27-063-00	0	3367	3367	1/15/2017	Summer	Montney Creek	Subgrade
Canfor	27-063-02	0	287	287	1/15/2017	Summer	Montney Creek	Subgrade
Canfor	31-003-00	0	1988	1988	3/15/2017	Summer	Osborne River	Subgrade
Canfor	31-016-01	0	329	329	2/28/2017	Summer	Osborne River	Subgrade
Canfor	31-017-00	0	443	443	2/28/2017	Summer	Osborne River	Subgrade
Canfor	31-019-00	0	722	722	2/20/2017	Summer	Osborne River	Subgrade
Canfor	44-054-00	0	1431	1431	1/11/2017	Summer	East Farrell	Subgrade

							Creek	
Canfor	44-054-01	0	1725	1725	1/11/2017	Summer	East Farrell Creek	Subgrade
Canfor	44-062-00	0	310	310	2/15/2017	Summer	East Farrell Creek	Subgrade
Canfor	44-063-00	0	3847	3847	6/15/2016	Summer	East Farrell Creek	Surfacing
Canfor	44-063-01	0	1616	1616	6/15/2016	Summer	East Farrell Creek	Surfacing
Canfor	44-063-02	0	730	730	6/15/2016	Summer	East Farrell Creek	Surfacing
Canfor	44-063-03	0	193	193	6/15/2016	Summer	East Farrell Creek	Surfacing
Canfor	44-068-01	0	1365	1365	3/31/2017	Summer	East Farrell Creek	Subgrade
Canfor	45-038-01	0	348	348	12/25/2016	Summer	West Farrell Creek	Subgrade
Canfor	45-038-02	0	322	322	12/25/2016	Summer	West Farrell Creek	Subgrade
Canfor	45-038-03	0	1163	1163	12/25/2016	Summer	West Farrell Creek	Subgrade
Canfor	45-047-01	0	655	655	8/15/2016	Summer	West Farrell Creek	Subgrade
Canfor	45-047-02	0	952	952	8/15/2016	Summer	West Farrell Creek	Subgrade
Canfor	45-047-03	0	832	832	8/15/2016	Summer	West Farrell Creek	Subgrade
Canfor	45-047-04	0	349	349	8/15/2016	Summer	West Farrell Creek	Subgrade
Canfor	45-047-05	0	882	882	8/15/2016	Summer	West Farrell Creek	Subgrade
Canfor	45-047-06	0	1804	1804	8/15/2016	Summer	West Farrell Creek	Subgrade
Canfor	45-047-07	0	2184	2184	8/15/2016	Summer	West Farrell Creek	Subgrade
Canfor	45-047-08	0	593	593	8/15/2016	Summer	West Farrell Creek	Subgrade
Canfor	45-047-09	0	381	381	8/15/2016	Summer	West Farrell Creek	Subgrade
Canfor	45-061-01	0	2089	2089	9/15/2016	Summer	West Farrell Creek	Subgrade
Canfor	45-061-02	0	1107	1107	10/15/2016	Summer	West Farrell Creek	Subgrade
Canfor	45-061-03	0	996	996	10/15/2016	Summer	West Farrell Creek	Subgrade
Canfor	45-061-04	0	815	815	10/15/2016	Summer	West Farrell Creek	Subgrade
Canfor	45-061-05	0	679	679	10/15/2016	Summer	West Farrell Creek	Subgrade
Canfor	45-061-07	0	282	282	9/15/2016	Summer	West Farrell Creek	Subgrade
Canfor	45-061-08	0	186	186	9/15/2016	Summer	West Farrell Creek	Subgrade
Canfor	45-061-10	0	494	494	10/15/2016	Summer	West Farrell Creek	Subgrade
Canfor	622-600	0	1608	1608	11/15/2016	Summer	Jedney Creek	Subgrade
Canfor	622-705	0	871	871	11/15/2016	Summer	Jedney Creek	Subgrade
Canfor	Bernadette West	0	3246	3246	11/20/2016	Summer	Wonowon	Reactivation
Canfor	Cameron Road	17084	17891	806	3/10/2017	Winter	Blair Creek	Reactivation
Canfor	Jon Gibbons Woodlot Road	0	1230	1230	2/15/2017	Summer	Montney Creek	Subgrade
Canfor	North Inga Rd	0	6863	6863	7/26/2016	Summer	South Blueberry	Subgrade

Canfor	S03-042-00	945	1865	919	8/15/2016	Winter	North Blueberry	Subgrade
Canfor	S24-033-00	0	911	911	11/15/2016	Summer	Jedney Creek	Subgrade
Canfor	S24-049-00	0	1222	1222	11/15/2016	Summer	Jedney Creek	Subgrade
Canfor	S24-049-03	0	843	843	11/15/2016	Summer	Jedney Creek	Subgrade
Canfor	S24-050-00	0	116	116	11/15/2016	Summer	Jedney Creek	Subgrade
Canfor	S24-051-00	0	476	476	11/15/2016	Summer	Jedney Creek	Subgrade
Canfor	S24-051-01	0	148	148	11/15/2016	Summer	Jedney Creek	Subgrade
Canfor	S24-059-00	0	659	659	11/15/2016	Summer	Jedney Creek	Subgrade
Canfor	S24-060-00	0	2425	2425	12/15/2016	Summer	Jedney Creek	Subgrade
Canfor/Cameron River	01-012-01	0	466	466	3/15/2017	Winter	Inga Lake	Subgrade
Canfor/Cameron River	02-022-01	0	640	640	10/15/2016	Summer	South Blueberry	Upgrading
Canfor/Cameron River	02-022-06	0	347	347	10/10/2016	Summer	South Blueberry	Upgrading
Canfor/Dunne za	04-071-00	0	598	598	11/21/2016	Summer	Wonowon	Subgrade
Canfor/LP	S24-049-02	0	306	306	11/15/2016	Winter	Jedney Creek	Subgrade
Canfor/Dunne za	Bernadette Fork	1715	3269	1554	10/31/2016	Winter	Wonowon	Reactivation
Canfor/LP	11-401	0	425	425	2/27/2017		Inga Lake	Subgrade

Table 43: Annual report on roads constructed in the Fort St. John BCTS field office area.

April 1st 2016 to March 31st 2017

Steward Name	Road Name	Start (m)	End (m)	Length (m)	Completion Date	Season	Operating Area	Method
BCTS	11-400	0	916	916	2017-01-09	Winter	Lily Lake	Reactivate
BCTS	A52323-001-00	0	1824	1824	2017-02-07	Winter	Lily Lake	Reactivate
BCTS	A76781-37017-00	0	696	696	2017-02-10	Winter	Lily Lake	New Road
BCTS	A76781-37018-01	0	2276	2276	2017-02-20	Winter	Lily Lake	Reactivate
BCTS	A76781-37018-02	0	1994	1994	2017-02-20	Winter	Lily Lake	New Road
BCTS	A76781-37018-03	0	168	168	2017-02-20	Winter	Lily Lake	New Road
BCTS	A76781-37020-00	0	3296	3296	2017-03-03	Winter	Lily Lake	Reactivate
BCTS	A76781-37021-00	0	5637	5637	2017-02-01	Winter	Lily Lake	New Road
BCTS	A92972-04067-01	0	176	176	2017-01-16	Winter	Wonowon	New Road
BCTS	A92972-04067-A	0	1517	1517	2017-01-16	Winter	Wonowon	New Road
BCTS	A92974-03114-01	0	923	923	2016-12-16	Winter	North Blueberry	New Road
BCTS	A92974-03114-02	0	221	221	2016-12-16	Winter	North Blueberry	New Road
BCTS	A92974-03114-A	0	862	862	2016-12-16	Winter	North Blueberry	New Road
BCTS	A92976-24205-01	0	349	349	2016-12-09	Winter	Jedney Creek	New Road
BCTS	A92976-24205-02	0	1109	1109	2016-12-09	Winter	Jedney Creek	New Road
BCTS	A92976-24205-03	0	2203	2203	2016-12-09	Winter	Jedney Creek	New Road
BCTS	A92976-24205-04	0	711	711	2016-12-09	Winter	Jedney Creek	New Road
BCTS	A92976-24205-05	0	254	254	2016-12-09	Winter	Jedney Creek	New Road
BCTS	A92976-24205-06	0	240	240	2016-12-09	Winter	Jedney Creek	New Road
BCTS	A92976-24355-A	0	2692	2692	2017-02-02	Winter	Jedney Creek	New Road
BCTS	A92980-02268-A	0	1622	1622	2017-02-17	Winter	North Blueberry	Reactivate
BCTS	A92980-02268-A	0	1622	1622	2017-02-17	Winter	North Blueberry	New Road
BCTS	A92980-03100-01	0	1130	1130	2017-02-17	Winter	North Blueberry	New Road
BCTS	A92980-03100-02	0	523	523	2017-02-17	Winter	North Blueberry	New Road
BCTS	A92980-03100-A	0	2508	2508	2017-02-17	Winter	North Blueberry	New Road
BCTS	A92980-03100-B	0	636	636	2017-02-17	Winter	North Blueberry	New Road
BCTS	A93052-45039-01	0	1068	1068	2016-10-12	Winter	West Farrell Creek	New Road
BCTS	A93052-45039-02	0	460	460	2016-10-12	Winter	West Farrell Creek	New Road
BCTS	A93052-45039-03	0	257	257	2016-10-12	Winter	West Farrell Creek	New Road
BCTS	A93052-45039-05	0	1188	1188	2016-10-12	Winter	West Farrell Creek	New Road
BCTS	A93052-45039-A	0	2066	2066	2016-10-12	Winter	West Farrell Creek	New Road
BCTS	A93052-45039-B	0	924	924	2016-10-12	Winter	West Farrell Creek	New Road
BCTS	A93052-45039-C	0	708	708	2016-10-12	Winter	West Farrell Creek	New Road
BCTS	A93058-06090-01	0	475	475	2016-09-07	Winter	Blair Creek	New Road
BCTS	A93058-06090-A	0	4730	4730	2016-09-07	Winter	Blair Creek	New Road
BCTS	A93439-24248-01	0	245	245	2016-12-29	Winter	Jedney Creek	New Road
BCTS	A93439-24248-A	0	1313	1313	2016-12-29	Winter	Jedney Creek	New Road
BCTS	A93439-24249-01	0	1280	1280	2016-12-23	Winter	Jedney Creek	New Road
BCTS	A93439-24249-A	0	755	755	2016-12-23	Winter	Jedney Creek	New Road
BCTS	A93439-24269-01	0	167	167	2016-11-24	Winter	Jedney Creek	New Road
BCTS	A93439-24269-A	0	1277	1277	2016-11-24	Winter	Jedney Creek	New Road
BCTS	A93439-24270-01	0	362	362	2016-12-16	Winter	Jedney Creek	New Road
BCTS	A93439-24270-A	0	243	243	2016-12-16	Winter	Jedney Creek	New Road
BCTS	A93549-24261-01	0	841	841	2017-01-10	Winter	Jedney Creek	New Road
BCTS	A93549-24261-02	0	535	535	2017-01-10	Winter	Jedney Creek	New Road
BCTS	A93549-24261-03	0	826	826	2017-01-10	Winter	Jedney Creek	New Road
BCTS	A93549-24261-04	0	504	504	2017-01-10	Winter	Jedney Creek	New Road
BCTS	A93549-24261-A	0	2550	2550	2017-01-10	Winter	Jedney Creek	Reactivate
BCTS	A93670-03043-01	0	490	490	2016-12-26	Winter	North Blueberry	New Road
BCTS	A93670-03043-02	0	930	930	2016-12-26	Winter	North Blueberry	New Road
BCTS	A93670-03043-B	0	3597	3597	2016-12-26	Winter	North Blueberry	Reactivate
BCTS	A93671-06071-01	0	309	309	2016-11-07	Winter	Blair Creek	New Road

BCTS	A93671-06071-02	0	130	130	2016-11-01	Winter	Blair Creek	New Road
BCTS	A93671-06071-A	0	1648	1648	2016-11-01	Winter	Blair Creek	New Road
BCTS	A93671-06075-01	0	336	336	2016-11-12	Winter	Blair Creek	New Road
BCTS	A93671-06075-02	0	816	816	2016-11-12	Winter	Blair Creek	New Road
BCTS	A93671-06075-A	0	1722	1722	2016-11-12	Winter	Blair Creek	Reactivate
BCTS	A93999-02267-A	0	1519	1519	2017-02-16	Winter	South Blueberry	New Road
BCTS	A94067-03125-01	0	1141	1141	2017-01-01	Winter	North Blueberry	New Road
BCTS	A94067-03125-02	0	435	435	2017-01-01	Winter	North Blueberry	New Road
BCTS	A94067-03125-A	0	1389	1389	2017-01-01	Winter	North Blueberry	New Road
BCTS	A94067-03125-B	0	682	682	2017-01-01	Winter	North Blueberry	New Road
BCTS	A94068-03118-01	0	305	305	2016-11-17	Winter	North Blueberry	New Road
BCTS	A94068-03118-02	0	710	710	2016-11-17	Winter	North Blueberry	New Road
BCTS	A94068-03118-A	0	1790	1790	2016-11-17	Winter	North Blueberry	New Road
BCTS	A94068-03118-B	0	903	903	2016-11-17	Winter	North Blueberry	New Road
BCTS	A94068-03118-C	0	394	394	2016-11-17	Winter	North Blueberry	New Road
BCTS	A94068-03118-D	0	116	116	2016-11-17	Winter	North Blueberry	New Road
BCTS	A94078-01026-01	0	102	102	2017-01-09	Winter	Inga Lake	New Road
BCTS	A94078-01026-02	0	529	529	2017-01-09	Winter	Inga Lake	New Road
BCTS	A94078-01026-03	0	308	308	2017-01-09	Winter	Inga Lake	New Road
BCTS	A94078-01026-04	0	385	385	2017-01-09	Winter	Inga Lake	New Road
BCTS	A94078-01026-05	0	280	280	2017-01-09	Winter	Inga Lake	New Road
BCTS	A94078-01026-06	0	583	583	2017-01-01	Winter	Inga Lake	New Road
BCTS	A94078-01026-07	0	228	228	2017-01-09	Winter	Inga Lake	New Road
BCTS	A94078-01026-A	0	2330	2330	2017-01-09	Winter	Inga Lake	New Road
BCTS	A94078-01026-B	0	455	455	2017-01-09	Winter	Inga Lake	New Road
BCTS	A94078-01026-C	0	549	549	2017-01-09	Winter	Inga Lake	New Road
BCTS	A94078-01026-D	0	1097	1097	2017-01-09	Winter	Inga Lake	New Road
BCTS	A94078-01026-E	0	313	313	2017-01-09	Winter	Inga Lake	New Road
BCTS	A94392-03111-01	0	430	430	2017-02-16	Winter	North Blueberry	New Road
BCTS	A94392-03111-02	0	442	442	2017-02-16	Winter	North Blueberry	New Road
BCTS	A94392-03111-03	0	537	537	2017-02-16	Winter	North Blueberry	New Road
BCTS	A94392-03111-04	0	602	602	2017-02-16	Winter	North Blueberry	New Road
BCTS	A94392-03111-05	0	286	286	2017-02-16	Winter	North Blueberry	New Road
BCTS	A94392-03111-06	0	962	962	2017-02-16	Winter	North Blueberry	New Road
BCTS	A94392-03111-07	0	276	276	2017-02-16	Winter	North Blueberry	New Road
BCTS	A94392-03111-A	0	9125	9125	2017-01-01	Winter	North Blueberry	Reactivate
BCTS	A94642-001-01	0	456	456	2017-02-14	Winter	Montney Creek	New Road
BCTS	A94642-001-A	0	1780	1780	2017-02-14	Winter	Montney Creek	New Road
BCTS	A94642-27004-A	0	7021	7021	2017-02-20	Winter	Montney Creek	Reactivate
BCTS	A94642-27004-B	0	2020	2020	2017-03-29	Winter	Montney Creek	New Road
BCTS	A94642-27004-C	0	478	478	2017-02-20	Winter	Montney Creek	New Road
BCTS	A94642-27005-01	0	489	489	2017-02-10	Winter	Montney Creek	New Road
BCTS	Monterey W Stoddart	0	2052	2052	2017-02-14	Winter	Montney Creek	Reactivate
BCTS	WSA-0052 Rd	0	2227	2227	2017-01-09	Winter	Montney Creek	Reactivate

Table 44: Road Deactivation Activities – Licensee Participants (2016 – 2017)

Steward	Road Name	Start Chainage (m)	End Chainage (m)	Length (m)	Deactivation Date	Method	Operating Area	Access Type	Level
BCTS	A52323-001-00	0	1624	1624	2017-03-27	Cross Ditches	Lily Lake	Quad/ATV	Permanent
BCTS	A52323-001-00	1624	1825	201	2017-03-27	Cross Ditches	Lily Lake	Quad/ATV	Permanent
BCTS	A76781-37017-00	0	696	696	2017-03-21	Cross Ditches	Lily Lake	Quad/ATV	Permanent
BCTS	A76781-37020-00	1180	1787	607	2017-03-30	Cross Ditches	Lily Lake	ATV	Temporary
BCTS	A76781-37020-00	1787	2746	959	2017-03-30	Cross Ditches	Lily Lake	Quad/ATV	Permanent
BCTS	A76781-37020-00	2746	3396	550	2017-03-30	Cross Ditches	Lily Lake	Quad/ATV	Permanent
BCTS	A76781-37021-00	0	5126	5126	2017-03-15	General	Lily Lake	4WD	Temporary
BCTS	A76781-37021-00	5126	5403	277	2017-03-15	Cross Ditches	Lily Lake	Quad/ATV	Permanent
BCTS	A76781-37021-00	5403	5642	239	2017-03-15	Cross Ditches	Lily Lake	Quad/ATV	Permanent
BCTS	A92970-04063-B	0	294	294	2016-05-20	Cross Ditches	Wonowon	4WD	Permanent
BCTS	A92970-04063-C	0	393	393	2016-05-20	Cross Ditches	Wonowon	4WD	Permanent
BCTS	A92970-04064-01	0	1271	1271	2016-05-20	Cross Ditches	Wonowon	4WD	Permanent
BCTS	A92970-04064-A	0	1427	1427	2016-05-20	Cross Ditches	Wonowon	4WD	Permanent
BCTS	A92970-04064-D	0	301	301	2016-05-20	Cross Ditches	Wonowon	4WD	Permanent
BCTS	A92970-04066-02	0	310	310	2016-05-20	Cross Ditches	Wonowon	4WD	Permanent
BCTS	A92970-04066-03	0	89	89	2016-05-20	Cross Ditches	Wonowon	4WD	Permanent
BCTS	A92970-04066-F	0	3524	3524	2016-05-20	Cross Ditches	Wonowon	4WD	Permanent
BCTS	A92970-04068-01	0	465	465	2016-05-20	Cross Ditches	Wonowon	4WD	Permanent
BCTS	A92970-04068-E	0	1070	1070	2016-05-20	Cross Ditches	Wonowon	4WD	Permanent
BCTS	A92972-04067-01	0	176	176	2017-03-23	Cross Ditches	Wonowon	Quad/ATV	Permanent
BCTS	A92972-04067-A	0	1517	1517	2017-03-23	Cross Ditches	Wonowon	Quad/ATV	Permanent
BCTS	A92974-03114-01	0	923	923	2017-03-29	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92974-03114-02	0	221	221	2017-03-29	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92974-03114-0A	0	862	862	2017-03-29	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92976-24205-01	0	349	349	2017-02-23	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A92976-24205-02	0	1109	1109	2017-02-23	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A92976-24205-03	0	2203	2203	2017-02-23	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A92976-24205-04	0	711	711	2017-02-23	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A92976-24205-05	0	254	254	2017-02-23	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A92976-24205-06	0	240	240	2017-02-23	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A92976-24355-A	0	2267	2267	2017-02-27	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A92976-24355-A	2267	2692	425	2017-02-27	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A92980-02268-A	0	1034	1034	2017-03-31	Cross Ditches	North Blueberry	Quad/ATV	Permanent

BCTS	A92980-02268-A	1034	1318	284	2017-03-31	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92980-02268-A	1318	1622	304	2017-03-31	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92980-03100-01	0	1130	1130	2017-03-30	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92980-03100-02	0	523	523	2017-03-30	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92980-03100-A	0	1165	1165	2017-03-30	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92980-03100-A	1165	1368	203	2017-03-30	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92980-03100-A	1368	2508	1140	2017-03-30	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92980-03100-B	0	87	87	2017-03-30	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92980-03100-B	87	636	549	2017-03-30	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A93052-45039-01	0	1068	1068	2017-01-24	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	A93052-45039-02	0	460	460	2017-01-24	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	A93052-45039-03	0	257	257	2017-01-24	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	A93052-45039-05	0	1188	1188	2017-01-24	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	A93052-45039-A	0	2066	2066	2017-01-24	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	A93052-45039-B	0	924	924	2017-01-24	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	A93052-45039-C	0	708	708	2017-01-24	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	A93058-06090-01	0	475	475	2016-12-07	Cross Ditches	Blair Creek	Quad/ATV	Permanent
BCTS	A93058-06090-A	0	4730	4730	2016-12-07	Cross Ditches	Blair Creek	Quad/ATV	Permanent
BCTS	A93439-24248-01	0	245	245	2017-02-07	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93439-24248-A	0	352	352	2017-02-07	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93439-24248-A	352	1313	961	2017-02-07	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93439-24249-01	0	1280	1280	2017-02-20	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93439-24249-A	0	124	124	2017-02-20	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93439-24249-A	124	755	631	2017-02-20	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93439-24269-01	0	167	167	2017-01-12	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93439-24269-02	0	415	415	2017-01-12	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93439-24269-A	0	1277	1277	2017-01-12	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93439-24270-01	0	362	362	2017-01-23	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93439-24270-A	0	243	243	2017-01-23	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93549-24261-01	0	841	841	2017-03-06	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93549-24261-02	0	535	535	2017-03-06	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93549-24261-03	0	826	826	2017-03-06	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93549-24261-04	0	504	504	2017-03-06	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93549-24261-A	0	1182	1182	2017-03-06	General	Jedney Creek	4WD	Temporary
BCTS	A93549-24261-A	1182	1512	330	2017-03-06	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93549-24261-A	1512	2550	1038	2017-03-06	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93670-03043-01	0	490	490	2017-02-02	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A93670-03043-02	0	930	930	2017-02-02	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A93670-03043-B	0	398	398	2017-02-02	General	North Blueberry	4WD	Temporary
BCTS	A93670-03043-B	398	820	422	2017-02-02	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A93670-03043-B	820	3597	2777	2017-02-02	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A93671-06071-01	0	309	309	2016-12-14	Cross Ditches	Blair Creek	Quad/ATV	Permanent
BCTS	A93671-06071-02	0	130	130	2016-12-14	Cross Ditches	Blair Creek	Quad/ATV	Permanent

BCTS	A93671-06071-A	0	395	395	2016-12-14	Cross Ditches	Blair Creek	Quad/ATV	Permanent
BCTS	A93671-06071-A	395	1648	1253	2016-12-14	Cross Ditches	Blair Creek	Quad/ATV	Permanent
BCTS	A93671-06075-01	0	336	336	2017-03-30	Cross Ditches	Blair Creek	Quad/ATV	Permanent
BCTS	A93671-06075-02	0	816	816	2017-03-30	Cross Ditches	Blair Creek	Quad/ATV	Permanent
BCTS	A93671-06075-A	0	1008	1008	2017-03-30	General	Blair Creek	4WD	Temporary
BCTS	A93671-06075-A	1008	1722	714	2017-03-30	Cross Ditches	Blair Creek	Quad/ATV	Permanent
BCTS	A93999-02267-A	0	553	553	2017-03-18	Cross Ditches	South Blueberry	Quad/ATV	Permanent
BCTS	A93999-02267-A	553	1519	966	2017-03-18	Cross Ditches	South Blueberry	Quad/ATV	Permanent
BCTS	A94068-03118-01	0	305	305	2017-03-21	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A94068-03118-02	0	710	710	2017-03-21	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A94068-03118-A	0	126	126	2017-03-21	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A94068-03118-A	126	1790	1664	2017-03-21	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A94068-03118-B	0	903	903	2017-03-21	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A94068-03118-C	0	394	394	2017-03-21	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A94068-03118-D	0	116	116	2017-03-21	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A94642-001-01	0	456	456	2017-03-29	Cross Ditches	Montney Creek	Quad/ATV	Permanent
BCTS	A94642-001-A	0	1780	1780	2017-03-29	Cross Ditches	Montney Creek	Quad/ATV	Permanent
BCTS	A94642-27004-A	0	2744	2744	2017-03-29	Cross Ditches	Montney Creek	Quad/ATV	Permanent
BCTS	A94642-27004-A	2744	4240	1496	2017-03-29	Cross Ditches	Montney Creek	Quad/ATV	Permanent
BCTS	A94642-27004-A	4240	7021	2781	2017-03-29	General	Montney Creek	4WD	Permanent
BCTS	A94642-27004-B	398	880	482	2017-03-29	Cross Ditches	Montney Creek	Quad/ATV	Permanent
BCTS	A94642-27004-B	880	2020	1140	2017-03-29	Cross Ditches	Montney Creek	Quad/ATV	Permanent
BCTS	A94642-27004-C	0	478	478	2017-03-29	Cross Ditches	Montney Creek	Quad/ATV	Permanent
BCTS	A94642-27005-01	0	489	489	2017-03-29	Cross Ditches	Montney Creek	Quad/ATV	Permanent
BCTS	Monterey W Stoddart	365	1833	1468	2017-03-29	General	Montney Creek	4WD	Temporary

Table 43: Annual report on roads deactivated in the Fort St John BCTS field office area.

April 1st 2016 to March 31st 2017

Steward	Road Name	Start Chainage (m)	End Chainage (m)	Length (m)	Deactivation Date	Method	Operating Area	Access Type	Level
BCTS	A52323-001-00	0	1624	1624	2017-03-27	Cross Ditches	Lily Lake	Quad/ATV	Permanent
BCTS	A52323-001-00	1624	1825	201	2017-03-27	Cross Ditches	Lily Lake	Quad/ATV	Permanent
BCTS	A76781-37017-00	0	696	696	2017-03-21	Cross Ditches	Lily Lake	Quad/ATV	Permanent
BCTS	A76781-37020-00	1180	1787	607	2017-03-30	Cross Ditches	Lily Lake	ATV	Temporary
BCTS	A76781-37020-00	1787	2746	959	2017-03-30	Cross Ditches	Lily Lake	Quad/ATV	Permanent
BCTS	A76781-37020-00	2746	3396	550	2017-03-30	Cross Ditches	Lily Lake	Quad/ATV	Permanent
BCTS	A76781-37021-00	0	5126	5126	2017-03-15	General	Lily Lake	4WD	Temporary
BCTS	A76781-37021-00	5126	5403	277	2017-03-15	Cross Ditches	Lily Lake	Quad/ATV	Permanent
BCTS	A76781-37021-00	5403	5642	239	2017-03-15	Cross Ditches	Lily Lake	Quad/ATV	Permanent
BCTS	A92970-04063-B	0	294	294	2016-05-20	Cross Ditches	Wonowon	4WD	Permanent
BCTS	A92970-04063-C	0	393	393	2016-05-20	Cross Ditches	Wonowon	4WD	Permanent
BCTS	A92970-04064-01	0	1271	1271	2016-05-20	Cross Ditches	Wonowon	4WD	Permanent
BCTS	A92970-04064-A	0	1427	1427	2016-05-20	Cross Ditches	Wonowon	4WD	Permanent
BCTS	A92970-04064-D	0	301	301	2016-05-20	Cross Ditches	Wonowon	4WD	Permanent
BCTS	A92970-04066-02	0	310	310	2016-05-20	Cross Ditches	Wonowon	4WD	Permanent
BCTS	A92970-04066-03	0	89	89	2016-05-20	Cross Ditches	Wonowon	4WD	Permanent
BCTS	A92970-04066-F	0	3524	3524	2016-05-20	Cross Ditches	Wonowon	4WD	Permanent
BCTS	A92970-04068-01	0	465	465	2016-05-20	Cross Ditches	Wonowon	4WD	Permanent
BCTS	A92970-04068-E	0	1070	1070	2016-05-20	Cross Ditches	Wonowon	4WD	Permanent
BCTS	A92972-04067-01	0	176	176	2017-03-23	Cross Ditches	Wonowon	Quad/ATV	Permanent
BCTS	A92972-04067-A	0	1517	1517	2017-03-23	Cross Ditches	Wonowon	Quad/ATV	Permanent
BCTS	A92974-03114-01	0	923	923	2017-03-29	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92974-03114-02	0	221	221	2017-03-29	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92974-03114-0A	0	862	862	2017-03-29	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92976-24205-01	0	349	349	2017-02-23	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A92976-24205-02	0	1109	1109	2017-02-23	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A92976-24205-03	0	2203	2203	2017-02-23	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A92976-24205-04	0	711	711	2017-02-23	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A92976-24205-05	0	254	254	2017-02-23	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A92976-24205-06	0	240	240	2017-02-23	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A92976-24355-A	0	2267	2267	2017-02-27	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A92976-24355-A	2267	2692	425	2017-02-27	Cross Ditches	Jedney Creek	Quad/ATV	Permanent

BCTS	A92980-02268-A	0	1034	1034	2017-03-31	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92980-02268-A	1034	1318	284	2017-03-31	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92980-02268-A	1318	1622	304	2017-03-31	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92980-03100-01	0	1130	1130	2017-03-30	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92980-03100-02	0	523	523	2017-03-30	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92980-03100-A	0	1165	1165	2017-03-30	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92980-03100-A	1165	1368	203	2017-03-30	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92980-03100-A	1368	2508	1140	2017-03-30	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92980-03100-B	0	87	87	2017-03-30	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A92980-03100-B	87	636	549	2017-03-30	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A93052-45039-01	0	1068	1068	2017-01-24	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	A93052-45039-02	0	460	460	2017-01-24	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	A93052-45039-03	0	257	257	2017-01-24	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	A93052-45039-05	0	1188	1188	2017-01-24	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	A93052-45039-A	0	2066	2066	2017-01-24	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	A93052-45039-B	0	924	924	2017-01-24	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	A93052-45039-C	0	708	708	2017-01-24	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	A93058-06090-01	0	475	475	2016-12-07	Cross Ditches	Blair Creek	Quad/ATV	Permanent
BCTS	A93058-06090-A	0	4730	4730	2016-12-07	Cross Ditches	Blair Creek	Quad/ATV	Permanent
BCTS	A93439-24248-01	0	245	245	2017-02-07	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93439-24248-A	0	352	352	2017-02-07	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93439-24248-A	352	1313	961	2017-02-07	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93439-24249-01	0	1280	1280	2017-02-20	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93439-24249-A	0	124	124	2017-02-20	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93439-24249-A	124	755	631	2017-02-20	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93439-24269-01	0	167	167	2017-01-12	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93439-24269-02	0	415	415	2017-01-12	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93439-24269-A	0	1277	1277	2017-01-12	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93439-24270-01	0	362	362	2017-01-23	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93439-24270-A	0	243	243	2017-01-23	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93549-24261-01	0	841	841	2017-03-06	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93549-24261-02	0	535	535	2017-03-06	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93549-24261-03	0	826	826	2017-03-06	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93549-24261-04	0	504	504	2017-03-06	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93549-24261-A	0	1182	1182	2017-03-06	General	Jedney Creek	4WD	Temporary
BCTS	A93549-24261-A	1182	1512	330	2017-03-06	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93549-24261-A	1512	2550	1038	2017-03-06	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
BCTS	A93670-03043-01	0	490	490	2017-02-02	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A93670-03043-02	0	930	930	2017-02-02	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A93670-03043-B	0	398	398	2017-02-02	General	North Blueberry	4WD	Temporary
BCTS	A93670-03043-B	398	820	422	2017-02-02	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A93670-03043-B	820	3597	2777	2017-02-02	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A93671-06071-01	0	309	309	2016-12-14	Cross Ditches	Blair Creek	Quad/ATV	Permanent
BCTS	A93671-06071-02	0	130	130	2016-12-14	Cross Ditches	Blair Creek	Quad/ATV	Permanent

BCTS	A93671-06071-A	0	395	395	2016-12-14	Cross Ditches	Blair Creek	Quad/ATV	Permanent
BCTS	A93671-06071-A	395	1648	1253	2016-12-14	Cross Ditches	Blair Creek	Quad/ATV	Permanent
BCTS	A93671-06075-01	0	336	336	2017-03-30	Cross Ditches	Blair Creek	Quad/ATV	Permanent
BCTS	A93671-06075-02	0	816	816	2017-03-30	Cross Ditches	Blair Creek	Quad/ATV	Permanent
BCTS	A93671-06075-A	0	1008	1008	2017-03-30	General	Blair Creek	4WD	Temporary
BCTS	A93671-06075-A	1008	1722	714	2017-03-30	Cross Ditches	Blair Creek	Quad/ATV	Permanent
BCTS	A93999-02267-A	0	553	553	2017-03-18	Cross Ditches	South Blueberry	Quad/ATV	Permanent
BCTS	A93999-02267-A	553	1519	966	2017-03-18	Cross Ditches	South Blueberry	Quad/ATV	Permanent
BCTS	A94068-03118-01	0	305	305	2017-03-21	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A94068-03118-02	0	710	710	2017-03-21	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A94068-03118-A	0	126	126	2017-03-21	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A94068-03118-A	126	1790	1664	2017-03-21	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A94068-03118-B	0	903	903	2017-03-21	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A94068-03118-C	0	394	394	2017-03-21	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A94068-03118-D	0	116	116	2017-03-21	Cross Ditches	North Blueberry	Quad/ATV	Permanent
BCTS	A94642-001-01	0	456	456	2017-03-29	Cross Ditches	Montney Creek	Quad/ATV	Permanent
BCTS	A94642-001-A	0	1780	1780	2017-03-29	Cross Ditches	Montney Creek	Quad/ATV	Permanent
BCTS	A94642-27004-A	0	2744	2744	2017-03-29	Cross Ditches	Montney Creek	Quad/ATV	Permanent
BCTS	A94642-27004-A	2744	4240	1496	2017-03-29	Cross Ditches	Montney Creek	Quad/ATV	Permanent
BCTS	A94642-27004-A	4240	7021	2781	2017-03-29	General	Montney Creek	4WD	Permanent
BCTS	A94642-27004-B	398	880	482	2017-03-29	Cross Ditches	Montney Creek	Quad/ATV	Permanent
BCTS	A94642-27004-B	880	2020	1140	2017-03-29	Cross Ditches	Montney Creek	Quad/ATV	Permanent
BCTS	A94642-27004-C	0	478	478	2017-03-29	Cross Ditches	Montney Creek	Quad/ATV	Permanent
BCTS	A94642-27005-01	0	489	489	2017-03-29	Cross Ditches	Montney Creek	Quad/ATV	Permanent
BCTS	Monterey W Stoddart	365	1833	1468	2017-03-29	General	Montney Creek	4WD	Temporary

Appendix 4: Timber Harvesting

Table 45: Summary of Completed Timber Harvesting by Participants (April 1, 2016 to March 31, 2017)

Participant	Gross Area (ha)	Merch Area (ha)
BCTS	1289.3	1249.5
Dunne-za/Canfor	728.6	667.9
Cameron River Logging	0	0
Chetwynd Mechanical Pulp	507.4	490.0
Canfor (conifer)	2815.8	2572.9
Canfor (decid)	91.3	87.8
LP	1,054.1	932.7
PVOSB	434.7	393.0
Total	**6,921.2**	**6393.8**

Canfor received 1,083,412 m^3 of logs during the 2016 reporting period from quota and Crown purchase sources, excluding oil and gas salvage, south Peace and out of province transfer. The total received from the pine-leading log strata was 207,622 m^3 (19.2 %). This proportion is substantially lower than the previous reporting period for two reasons: (1) last reporting year's results included shipment of pine logs to Taylor pulp, which did not occur during the 2016/17 reporting period, and (2) the high proportion of volume from the 2016 fire salvage areas that was primarily spruce leading.

Appendix 5: Reforestation

Table 46: **BCTS Establishment Delay Complete (Inventory Label) 2016**

Harvest Date	Opening	License	Permit	Block ID	Activity	Regen Met Date	Stratum	Area	Layer	Sp. 1	Sp 1 %	Sp. 2	Sp 2 %
17-Nov-15	94A 054 105	A90801		01174	Planting (Walkthrough)	18-Jul-16	A	11.723	I	At	50	Sx	50
17-Nov-15	94A 054 105	A90801		01174	Planting (Walkthrough)	18-Jul-16	B	3.5722	I	Pli	70	At	30
10-Dec-15	94A 054 107	A93669		01177	Planting (Walkthrough)	24-Jul-16	A	23.0574	I	Sx	60	Ep	40
01-Nov-14	94A 054 096	A90800		01202	Planting (Walkthrough)	23-Jul-16	B	15.1505	I	Sx	70	At	30
01-Nov-14	94A 054 096	A90800		01202	Planting (Walkthrough)	23-Jul-16	C	4.4216	I	Sx	100		
21-Nov-14	94A 054 097	A90800		01280	Planting (Walkthrough)	24-Jul-16	B	29.1395	I	Sx	60	At	40
21-Nov-14	94A 054 097	A90800		01280	Planting (Walkthrough)	24-Jul-16	C	7.556	I	Sx	80		
04-Nov-13	94A07100 56	A89120		02263	Deciduous Stocking - FSJ	22-Jul-16	A	21.2446	I	At	80	AC	10
04-Nov-13	94A07100 57	A89120		02264	Deciduous Stocking - FSJ	22-Jul-16	A	12.0632	I	At	90	Pli	10
14-Mar-12	94A07200 55	A89117		02278	2-Year Post Plant (M) - FSJ	19-Jul-16	A	15.5894	I	At	70	Sw	30
29-Jan-16	94B 100 035	A76786		03044	Planting (Walkthrough)	15-Jul-16	A	51.5738	I	Sx	80	At	10
27-Jul-15	94B 100 039	A76787		03048	Planting (Walkthrough)	19-Jul-16	A	67.4723	I	Sx	80	At	20
27-Jul-15	94B 100 039	A76787		03048	Planting (Walkthrough)	19-Jul-16	B	19.2648	I	Pli	80	At	20
16-Jun-15	94B 100 040	A76787		03049	Planting (Walkthrough)	18-Jul-16	A	28.5294	I	Sx	80	At	20
16-Jun-15	94B 100 040	A76787		03049	Planting (Walkthrough)	18-Jul-16	B	4.0564	I	Sx	70	At	30
16-Jun-15	94B 100 040	A76787		03049	Planting (Walkthrough)	18-Jul-16	C	5.3395	I	Sx	100		
13-Jan-15	94H 002 046	A90906		03113	Planting (Walkthrough)	31-Jul-16	A	44.7785	I	Pli	70	At	20
13-Jan-15	94H 002 046	A90906		03113	Planting (Walkthrough)	16-Jul-16	B	42.8777	I	Pli	60	At	40
13-Jan-15	94H 002 046	A90906		03113	Planting (Walkthrough)	31-Jul-16	C	45.6281	I	Pli	60	At	40

Table 47: BCTS Establishment Delay Complete (Silviculture Label) 2016

Harvest Date	Opening	License	Permit	Block ID	Activity	Regen Met Date	Stratum	Area	Layer	Sp. 1	Sp 1 %	Sp. 2	Sp 2 %
17-Nov-15	94A 054 105	A90801		01174	Planting (Walkthrough)	18-Jul-16	A	11.723	S	Sx	100		
17-Nov-15	94A 054 105	A90801		01174	Planting (Walkthrough)	18-Jul-16	B	3.5722	S	Pli	100		
10-Dec-15	94A 054 107	A93669		01177	Planting (Walkthrough)	24-Jul-16	A	23.0574	S	Sx	100		
01-Nov-14	94A 054 096	A90800		01202	Planting (Walkthrough)	23-Jul-16	B	15.1505	S	Sx	100		
01-Nov-14	94A 054 096	A90800		01202	Planting (Walkthrough)	23-Jul-16	C	4.4216	S	Sx	100		
21-Nov-14	94A 054 097	A90800		01280	Planting (Walkthrough)	24-Jul-16	B	29.1395	S	Sx	100		
21-Nov-14	94A 054 097	A90800		01280	Planting (Walkthrough)	24-Jul-16	C	7.556	S	Sx	100		
04-Nov-13	94A07100 56	A89120		02263	Deciduous Stocking - FSJ	22-Jul-16	A	21.2446	S	Sx	98	Pli	2
04-Nov-13	94A07100 57	A89120		02264	Deciduous Stocking - FSJ	22-Jul-16	A	12.0632	S	Pli	78	Sx	22
14-Mar-12	94A07200 55	A89117		02278	2-Year Post Plant (M) - FSJ	19-Jul-16	A	15.5894	S	Sw	82	At	18
29-Jan-16	94B 100 035	A76786		03044	Planting (Walkthrough)	15-Jul-16	A	51.5738	S	Sx	87	Pli	13
27-Jul-15	94B 100 039	A76787		03048	Planting (Walkthrough)	19-Jul-16	A	67.4723	S	Sx	100		
27-Jul-15	94B 100 039	A76787		03048	Planting (Walkthrough)	19-Jul-16	B	19.2648	S	Pli	100		
16-Jun-15	94B 100 040	A76787		03049	Planting (Walkthrough)	18-Jul-16	A	28.5294	S	Sx	100		
16-Jun-15	94B 100 040	A76787		03049	Planting (Walkthrough)	18-Jul-16	B	4.0564	S	Sx	100		
16-Jun-15	94B 100 040	A76787		03049	Planting (Walkthrough)	18-Jul-16	C	5.3395	S	Sx	100		
13-Jan-15	94H 002 046	A90906		03113	Planting (Walkthrough)	31-Jul-16	A	44.7785	S	Pli	100		
13-Jan-15	94H 002 046	A90906		03113	Planting (Walkthrough)	16-Jul-16	B	42.8777	S	Pli	100		
13-Jan-15	94H 002 046	A90906		03113	Planting (Walkthrough)	31-Jul-16	C	45.6281	S	Pli	97	At	3
23-Mar-12	94A07200 62	A89117		04062	2-Year Post Plant (M) - FSJ	19-Apr-16	A	17.1016	S	Sx	51	At	49
12-Dec-15	94A 061 051	A92970		04063	Planting (Walkthrough)	24-Jul-16	A	21.0866	S	Sx	100		
12-Dec-15	94A 061 052	A92970		04064	Planting (Walkthrough)	23-Jul-16	A	17.6425	S	Sx	100		
16-Dec-15	94A 061 055	A92971		04065	Planting (Walkthrough)	23-Jul-16	A	37.5429	S	Sx	100		
12-Jan-16	94A 061 058	A92971		04190	Planting (Walkthrough)	21-Jul-16	A	29.9325	S	Sx	100		
19-Nov-12	94B09000 22	A63436		06026	Deciduous Stocking - FSJ	18-Apr-16	A	36.2246	S	At	100		
19-Nov-12	94B09000 22	A63436		06026	Deciduous Stocking - FSJ	18-Apr-16	B	20.0275	S	Sw	100		
10-Mar-11	94A09300 41	A82094		18002	Deciduous Stocking - FSJ	19-Apr-16	A	78.0385	S	Pli	90	Sw	10

10-Mar-11	94A09300 41	A82094		18002	Deciduous Stocking - FSJ	19-Apr-16	B	43.5192	S	At	100		
10-Nov-15	94H 004 038	A92819		18030	Planting (Walkthrough)	03-Aug-16	A	34.1316	S	Sx	52	Pli	48
22-Jan-15	94H 004 035	A90909		18035	Planting (Walkthrough)	03-Aug-16	A	90.0226	S	Sx	54	Pli	46
22-Jan-15	94H 004 035	A90909		18035	Planting (Walkthrough)	02-Aug-16	B	18.4431	S	Pli	100		
22-Jan-15	94H 004 035	A90909		18035	Planting (Walkthrough)	02-Aug-16	C	26.588	S	Sx	100		
11-Feb-15	94H 004 036	A90907		18036	Planting (Walkthrough)	02-Aug-16	A	48.3336	S	Sx	60	Pli	40
20-Feb-15	94A 094 039	A92819		29019	Planting (Walkthrough)	03-Aug-16	A	15.8907	S	Sx	100		
16-Feb-15	94A 094 038	A92242		29020	Planting (Walkthrough)	03-Aug-16	A	31.8388	S	Sx	60	Pli	40
10-Nov-15	94A 094 041	A92242		29021	Planting (Walkthrough)	28-Jul-16	A	25.6885	S	Pli	76	Sx	24

Table 48: Mean MSQ by Coniferous Block - BCTS (2016)

Licence	Block	Opening Number	Block MSQ Average
A54844	1	94H 012 020	3.4
A54848	1	94A 083 029	2.2
A54895	1	94A 053 046	3.7
A59642	1	94H 061 007	3.4
A60189	1	94B 030 036	3.5
A60201	1	94H 012 019	4.0
A60202	1	94H 012 021	4.0
A61903	1	94B 030 109	3.7

Table 49: Mean MSQ by Deciduous Block - BCTS (2016)

Licence	Block	Opening Number	Block MSQ Average
A63392	1	94A 031 038	2.3
A63393	1	94A 021 031	2.9
A63428	1	94B 059 028	3.9
A63434	1	94B 089 028	3.8
A76785	03053	94A 091 023	4.0
A66545	1	94B 070 010	3.9
A66545	2	94B 070 011	3.7
A66546	1	94A 061 033	3.8
A66557	1	94A 051 008	4.0

Table 50: Mean MSQ by Conifer Block - Canfor (2016)

Licensee	License	Block	Block-Level Mean MSQ
Canadian Forest Products Ltd.	A18154	07010	3.83
Canadian Forest Products Ltd.	A18154	07011	3.95
Canadian Forest Products Ltd.	A18154	07012	3.46
Canadian Forest Products Ltd.	A18154	08002	3.88
Canadian Forest Products Ltd.	A18154	08003	3.86
Canadian Forest Products Ltd.	A18154	08004	4.00
Canadian Forest Products Ltd.	A18154	08005	3.92
Canadian Forest Products Ltd.	A18154	08006	3.13
Canadian Forest Products Ltd.	A18154	08007	3.92
Canadian Forest Products Ltd.	A18154	08008	3.63
Canadian Forest Products Ltd.	A18154	11001	3.84
Canadian Forest Products Ltd.	A18154	11002	3.42
Canadian Forest Products Ltd.	A18154	11003	3.62
Canadian Forest Products Ltd.	A18154	11004	3.27
Canadian Forest Products Ltd.	A18154	11005	3.62
Canadian Forest Products Ltd.	A18154	11007	4.00
Canadian Forest Products Ltd.	A18154	11009	3.94
Canadian Forest Products Ltd.	A18154	11010	3.88
Canadian Forest Products Ltd.	A18154	11011	3.96
Canadian Forest Products Ltd.	A18154	11012	4.00
Canadian Forest Products Ltd.	A18154	11016	4.00
Canadian Forest Products Ltd.	A18154	11017	3.86

Canadian Forest Products Ltd.	A18154	11029	3.74
Canadian Forest Products Ltd.	A18154	20006	3.97
Canadian Forest Products Ltd.	A18154	20009	3.52
Canadian Forest Products Ltd.	A18154	20010	3.92
Canadian Forest Products Ltd.	A18154	20011	3.92
Canadian Forest Products Ltd.	A18154	20012	3.79
Canadian Forest Products Ltd.	A18154	20013	4.00
Canadian Forest Products Ltd.	A18154	20014	4.00
Canadian Forest Products Ltd.	A18154	20051	3.97
Canadian Forest Products Ltd.	A18154	22002	3.00
Canadian Forest Products Ltd.	A18154	22003	2.25
Canadian Forest Products Ltd.	A18154	22004	3.33
Canadian Forest Products Ltd.	A18154	22006	3.00
Canadian Forest Products Ltd.	A18154	22007	3.00
Canadian Forest Products Ltd.	A18154	22008	3.50
Canadian Forest Products Ltd.	A18154	22009	2.67
Canadian Forest Products Ltd.	A18154	22010	2.00
Canadian Forest Products Ltd.	A18154	22011	2.83
Canadian Forest Products Ltd.	A18154	22012	3.00
Canadian Forest Products Ltd.	A18154	22013	2.67
Canadian Forest Products Ltd.	A18154	22015	4.00
Canadian Forest Products Ltd.	A18154	22016	3.83
Canadian Forest Products Ltd.	A18154	22018	3.94
Canadian Forest Products Ltd.	A18154	22017	3.65
Canadian Forest Products Ltd.	A18154	22019	3.93
Canadian Forest Products Ltd.	A18154	22020	3.89
Canadian Forest Products Ltd.	A18154	22025	3.67
Canadian Forest Products Ltd.	A18154	22026	3.18
Canadian Forest Products Ltd.	A18154	22028	2.64
Canadian Forest Products Ltd.	A18154	629007	3.65
Canadian Forest Products Ltd.	A18154	629008	3.85

Canadian Forest Products Ltd.	A18154	03001	2.66
Canadian Forest Products Ltd.	A18154	03002	3.89
Canadian Forest Products Ltd.	A18154	03006	3.72
Canadian Forest Products Ltd.	A18154	03007	3.95
Canadian Forest Products Ltd.	A18154	03008	3.43
Canadian Forest Products Ltd.	A18154	24005	3.64
Canadian Forest Products Ltd.	A18154	616006	3.53
Canadian Forest Products Ltd.	A18154	622001	3.84
Canadian Forest Products Ltd.	A18154	622007	3.81

Table 51: Mean MSQ by Deciduos Block - Canfor (2016)

Licensee	License	Block	Block-Level Mean MSQ
Canadian Forest Products Ltd.	A60049	1006	3.98
Canadian Forest Products Ltd.	A60049	1007	4.00
Canadian Forest Products Ltd.	A60049	1008	4.00
Canadian Forest Products Ltd.	PAG12	3035	3.80
Canadian Forest Products Ltd.	A56771	3046	4.00
Canadian Forest Products Ltd.	A60049	4029	4.00
Canadian Forest Products Ltd.	A60049	4030	4.00
Canadian Forest Products Ltd.	A60049	4031	4.00
Canadian Forest Products Ltd.	A60049	4049	3.98
Canadian Forest Products Ltd.	A60049	4051	3.97
Canadian Forest Products Ltd.	A60049	4052	4.00
Canadian Forest Products Ltd.	A60049	4053	4.00

Canadian Forest Products Ltd.	A60050	5003	3.96
Canadian Forest Products Ltd.	A18154	44041	4.00
Canadian Forest Products Ltd.	A60049	S01009	4.00
Canadian Forest Products Ltd.	A60049	S01030	4.00
Canadian Forest Products Ltd.	A60049	S01113	4.00
Canadian Forest Products Ltd.	A60050	S01272	4.00
Canadian Forest Products Ltd.	PAG12	S03036	4.00
Canadian Forest Products Ltd.	A60049	S04032	4.00
Canadian Forest Products Ltd.	A60049	S04040	4.00
Canadian Forest Products Ltd.	A60049	S09068	3.87
Canadian Forest Products Ltd.	A60049	S09078	4.00
Canadian Forest Products Ltd.	A60049	S09104	3.97
Canadian Forest Products Ltd.	A60049	S09115	3.94
Canadian Forest Products Ltd.	A60050	S10035	4.00
Canadian Forest Products Ltd.	PAG12	S26014	4.00
Canadian Forest Products Ltd.	A60050	S43003	4.00
Canadian Forest Products Ltd.	A60049	S44036	3.99
Canadian Forest Products Ltd.	A60049	S45017	4.00
Canadian Forest Products Ltd.	A60049	S45025	3.83
Canadian Forest Products Ltd.	A60049	S45028	4.00
Canadian Forest Products Ltd.	A60050	5005	3.99
Canadian Forest Products Ltd.	A18154	44040	4.00

Table 52: BCTS Planting Activities (2016)

Harvest Start Date	Opening	License	Permit	Block ID	Activity	Activity Date	Area	Seedlot	# Trees
10-Dec-02	94A03100 22	A54403		1	Fill Plant (Container) - FSJ	24-Jul-16	18.36	60455	23220
07-Jan-07	94A 031 038	A63392		1	Fill Plant (Container) - FSJ	23-Jul-16	4.03	60455	5460
18-Feb-10	94A05400 67	A63402		01027	Fill Plant (Container) - FSJ	21-Jul-16	9.57	60455	16600
01-Dec-03	94A06200 38	A69487		1	Fill Plant (Container) - FSJ	24-Jul-16	4.56	60455	7420
08-Feb-16	94B100 038	A76786		03070	Planting (Container) - FSJ	22-Jul-16	26.13	60455	10599
29-Jan-16	94B 100 035	A76786		03044	Planting (Container) - FSJ	15-Jul-16	51.59	43123	18900
29-Jan-16	94B 100 035	A76786		03044	Planting (Container) - FSJ	15-Jul-16	51.59	60455	58380
27-Jul-15	94B 100 039	A76787		03048	Planting (Container) - FSJ	18-Jul-16	21.59	39464	38480
27-Jul-15	94B 100 039	A76787		03048	Planting (Container) - FSJ	18-Jul-16	69.68	60455	99350
16-Jun-15	94B 100 040	A76787		03049	Planting (Container) - FSJ	18-Jul-16	33.81	60455	47820
16-Jun-15	94B 100 040	A76787		03049	Planting (Container) - FSJ	18-Jul-16	4.06	39464	5940
26-Jan-15	94B 100 031	A82100		03056	Road/Pile Plant - FSJ	15-Jul-16	0.14	60455	840
26-Jan-15	94B 100 032	A82100		03057	Road/Pile Plant - FSJ	15-Jul-16	0.43	60455	840
26-Jan-15	94B 100 033	A82100		03058	Road/Pile Plant - FSJ	15-Jul-16	0.98	60455	1260
26-Jan-15	94B 100 030	A82100		03055	Road/Pile Plant - FSJ	15-Jul-16	1.45	60455	1080
25-Nov-13	94B04900 38	A85684		09028	Road/Pile Plant - FSJ	28-Jul-16	1.16	60455	1000
06-Feb-15	94A 073 082	A85799		02084	Planting (Container) - FSJ	24-Aug-16	1.06	60455	5260
23-Feb-15	94A 062 101	A89119		04252	Road/Pile Plant - FSJ	19-Jul-16	0.94	39464	1250
12-Nov-14	94A 062 100	A89119		04244	Road/Pile Plant - FSJ	19-Jul-16	4.18	39464	11260
07-Jan-13	94A07100 52	A89842		04122	Fill Plant (Container) - FSJ	23-Jul-16	9	60455	14910
30-Nov-14	94A 054 098	A90800		01281	Road/Pile Plant - FSJ	24-Jul-16	1.09	39464	2080
21-Nov-14	94A 054 097	A90800		01280	Planting (Container) - FSJ - FRPA - Section 108	24-Jul-16	6.42	39464	1080
21-Nov-14	94A 054 097	A90800		01280	Planting (Container) - FSJ - FRPA - Section 108	24-Jul-16	6.42	60455	2500
21-Nov-14	94A 054 097	A90800		01280	Planting (Container) - FSJ - FRPA - Section 108	24-Jul-16	6.42	60455	40930

21-Nov-14	94A 054 097	A90800		01280	Planting (Container) - FSJ	24-Jul-16	7.56	60455	8770
01-Nov-14	94A 054 096	A90800		01202	Planting (Container) - FSJ	23-Jul-16	19.57	60455	28400
17-Nov-15	94A 054 105	A90801		01174	Planting (Container) - FSJ	18-Jul-16	3.57	39464	6220
17-Nov-15	94A 054 105	A90801		01174	Planting (Container) - FSJ	18-Jul-16	11.72	60455	21000
18-Dec-14	94A 071 061	A90903		04194	Road/Pile Plant - FSJ	24-Jul-16	0.35	60455	210
12-Dec-14	94A 071 062	A90903		04195	Road/Pile Plant - FSJ	24-Jul-16	0.65	60455	290
15-Nov-14	94A 071 059	A90903		04192	Road/Pile Plant - FSJ	24-Jul-16	0.99	60455	1010
15-Nov-14	94A 071 059	A90903		04192	Road/Pile Plant - FSJ	24-Jul-16	0.99	60455	10430
07-Dec-14	94A 071 060	A90903		04193	Road/Pile Plant - FSJ	24-Jul-16	1.34	60455	170
02-Jan-15	94A 071 067	A90903		04141	Planting (Container) - FSJ	18-Aug-16	7.42	60455	14070
13-Jan-15	94H 002 046	A90906		03113	Planting (Container) - FSJ	31-Jul-16	109.47	43123	173600
11-Feb-15	94H 004 036	A90907		18036	Planting (Container) - FSJ	02-Aug-16	48.33	39464	23180
11-Feb-15	94H 004 036	A90907		18036	Planting (Container) - FSJ	02-Aug-16	48.33	60455	52200
22-Jan-15	94H 004 035	A90909		18035	Planting (Container) - FSJ	03-Aug-16	18.52	39464	30780
22-Jan-15	94H 004 035	A90909		18035	Planting (Container) - FSJ	03-Aug-16	26.62	39464	16052
22-Jan-15	94H 004 035	A90909		18035	Planting (Container) - FSJ	03-Aug-16	26.62	39464	30780
22-Jan-15	94H 004 035	A90909		18035	Planting (Container) - FSJ	03-Aug-16	26.62	60455	40300
22-Jan-15	94H 004 035	A90909		18035	Planting (Container) - FSJ	03-Aug-16	89	39464	16052
22-Jan-15	94H 004 035	A90909		18035	Planting (Container) - FSJ	03-Aug-16	89	43123	56000
22-Jan-15	94H 004 035	A90909		18035	Planting (Container) - FSJ	03-Aug-16	89	60455	70670
10-Nov-15	94A 094 041	A92242		29021	Planting (Container) - FSJ	28-Jul-16	25.69	39464	6840
10-Nov-15	94A 094 041	A92242		29021	Planting (Container) - FSJ	28-Jul-16	25.69	43123	22680
10-Nov-15	94A 094 041	A92242		29021	Planting (Container) - FSJ	28-Jul-16	25.69	60455	12390
16-Feb-15	94A 094 038	A92242		29020	Planting (Container) - FSJ	03-Aug-16	31.84	39464	1600
16-Feb-15	94A 094 038	A92242		29020	Planting (Container) - FSJ	03-Aug-16	31.84	39464	1600
16-Feb-15	94A 094 038	A92242		29020	Planting (Container) - FSJ	03-Aug-16	31.84	43123	24770
16-Feb-15	94A 094 038	A92242		29020	Planting (Container) - FSJ	03-Aug-16	31.84	60455	25200
20-Feb-15	94A 094 039	A92819		29019	Planting (Container) - FSJ	03-Aug-16	15.89	60455	26130
10-Nov-15	94H 004 038	A92819		18030	Planting (Container) - FSJ	03-Aug-16	34.13	43123	27280
10-Nov-15	94H 004 038	A92819		18030	Planting (Container) - FSJ	03-Aug-16	34.13	60455	27400
12-Dec-15	94A 061 052	A92970		04064	Planting (Container) - FSJ	23-Jul-16	17.64	60455	28140
12-Dec-15	94A 061 051	A92970		04063	Planting (Container) - FSJ	24-Jul-16	21.08	60455	30390

12-Jan-16	94A 061 058	A92971		04190	Planting (Container) - FSJ	21-Jul-16	29.93	39464	800
12-Jan-16	94A 061 058	A92971		04190	Planting (Container) - FSJ	21-Jul-16	29.93	60455	48300
16-Dec-15	94A 061 055	A92971		04065	Planting (Container) - FSJ	23-Jul-16	37.54	60455	58800
29-Jan-16	94H 003 015	A92973		18033	Planting (Container) - FSJ	11-Aug-16	5.82	60455	4300
29-Jan-16	94H 003 015	A92973		18033	Planting (Container) - FSJ	11-Aug-16	5.82	60455	2800
29-Jan-16	94H 003 015	A92973		18033	Planting (Container) - FSJ	11-Aug-16	30.9	39464	60480
29-Jan-16	94H 003 015	A92973		18033	Planting (Container) - FSJ	11-Aug-16	30.9	43123	34290
10-Dec-15	94A 054 107	A93669		01177	Planting (Container) - FSJ	24-Jul-16	26.05	60455	39680
									1500513

Table 53: Predicted and Target Volumes by Stratum for Coniferous - BCTS 2016

Block Strata Summary	Stratum	Net Area (ha)	Mean SI	Mean EA	Mean MSQ	Mean TSS	PMV/ha	Tot PMV	Target MSQ	Target EA	TMV/ha	Total TMV	PMV % of Target
A60201 (A) A60202 (A,B) A54895 (B) A61903 (A,B)	Pl/WG/18-20/1200-1400	89.4	20.7	14.1	3.9	1,200	529.2	47,311	3.7	14.0	500.1	44,711	105.8%
A54848 (A)	PlSx/SR/18-20/1200-1400	20.5	22.1	16.5	2.2	1,200	511.5	10,486	3.7	14.0	593.9	12,174	86.1%
A59642 (C)	PlSx/WG/18-20/1000-1200	8.0	24.2	15.8	3.6	1,000	743.2	5,946	3.5	14.0	690.8	5,527	107.6%
A60189 (A) A60201 (A) A59642 (A,B) A54844 (A)	PlSx/WG/18-20/1200-1400	84.9	19.8	14.7	3.5	1,200	506.4	42,997	3.7	14.0	483.7	41,068	104.7%
A60189 (B)	Sx/WG/18-20/1200-1400	25.0	19.3	17.7	3.4	1,200	518.3	12,958	3.7	14.0	486.4	12,159	106.6%
	Total	***227.8***	***20.5***	***15.0***	***3.5***	***1,193***	***525.5***	***119,698***	***3.7***	***14.0***	***507.6***	***115,639***	***103.5%***

Table 54: Predicted and Target Volumes by Stratum for Deciduous - BCTS 2016

Block Strata Summary	Stratum	Net Area (ha)	Mean SI	Mean EA	Mean MSQ	Mean TSS	PMV/ha	Tot PMV	Target MSQ	Target EA	TMV/ha	Total TMV	PMV % of Target
A63393-1 (B1) A63393-1 (B3) A63428-1 (A) A63434-1 (A) A76785-03053 (C) A66545-1 (A) A66545-2 (A) A66546-1 (A) A66557-1 (A1) A66557-1 (A2)	At/WG/17-19/3800-4100	431.7	23.6	N/A	3.87	4000	450	194459	3.78	N/A	405	174814	111%
A63392-1 (A1) A63392-1 (A2) A63393-1 (B2)	At/NSR/17-19/3800-4100	84.1	24.6	N/A	2.54	4000	425	35760	3.78	N/A	424	35645	100%
	Total	**515.8**				**4000**		**230219**				**210460**	109%

Table 55:Predicted and Target Volumes by Conifer Stratum-Canfor 2016

PREDICTED AND TARGET VOLUMES BY STRATUM

Stratum	Net Area (ha)	Mean SI	Mean EA	Mean MSQ	Mean TSS	PMV/ha	Tot. PMV	Targ MSQ	Targ EA	TMV/ha	Tot. TMV	PMV (% of Target)
PlNSR/18-20/1200-1400	10.4	20.2	14.9	0.9	1200	184.7	1,921	3.7	14	479.5	4,986	38.5
PlWG/14-16/1200-1400	37.5	19.6	13.3	3.6	1200	468.7	17,576	3.7	14	449.0	16,837	104.4
PlWG/18-20/1200-1400	128.0	19.6	13.8	3.9	1200	474.5	60,736	3.7	14	449.4	57,529	105.6
PlWG/20-22/1200-1400	201.9	20.4	14.1	3.8	1200	514.0	103,772	3.7	14	487.4	98,415	105.4
PlWG/22-24/1200-1400	166.6	22.4	13.5	3.8	1200	611.2	101,832	3.7	14	581.7	96,919	105.1
PlSxWG/12-14/1200-1400	66.6	19.9	11.8	3.9	1181	506.5	33,730	3.7	14	486.4	32,397	104.1
PlSxWG/16-18/1200-1400	15.1	19.3	12.6	3.9	1200	478.2	7,221	3.7	14	456.8	6,898	104.7
PlSxWG/18-20/1200-1400	142.1	19.5	12.9	3.9	1200	490.7	69,729	3.7	14	467.6	66,447	104.9
PlSxWG/20-22/1200-1400	109.0	21.0	12.5	3.8	1200	563.7	61,446	3.7	14	540.8	58,947	104.2
PlSxWG/22-24/1200-1400	42.2	23.7	11.4	4.0	1200	695.9	29,367	3.7	14	670.5	28,294	103.8
PlSxWG/24-26/1200-1400	118.2	22.8	13.9	3.7	1200	660.9	78,114	3.7	14	628.2	74,256	105.2
PlSxWG/26-28/1200-1400	20.1	21.1	14.0	3.7	1200	574.0	11,538	3.7	14	545.2	10,959	105.3
SxWG/12-14/1200-1400	40.0	19.3	14.9	3.7	1090	513.4	20,534	3.6	14	482.4	19,298	106.4
SxWG/16-18/1200-1400	36.0	19.1	16.8	3.6	1200	509.3	18,334	3.7	14	476.9	17,169	106.8
SxWG/18-20/1200-1400	214.9	21.8	15.6	3.5	1101	649.7	139,625	3.6	14	615.4	132,251	105.6
SxWG/20-22/1000-1200	36.7	22.3	16.0	3.9	1000	686.4	25,191	3.5	14	633.0	23,230	108.4
SxWG/20-22/1200-1400	73.2	22.1	16.6	3.5	1200	672.9	49,258	3.7	14	632.6	46,305	106.4
SxWG/20-22/400-600	38.6	22.0	14.7	3.5	400	658.2	25,408	1.7	14	427.1	16,486	154.1
SxWG/22-24/1000-1200	53.5	24.1	15.7	3.7	1000	783.8	41,933	3.5	14	726.9	38,891	107.8
SxWG/22-24/1200-1400	175.5	23.4	15.9	3.8	1200	748.1	131,295	3.7	14	700.0	122,845	106.9
SxWG/24-26/1000-1200	109.5	25.6	14.9	3.8	930	864.6	94,675	3.4	14	797.7	87,345	108.4
SxWG/24-26/1200-1400	104.1	25.9	14.1	3.7	1200	872.2	90,799	3.7	14	828.0	86,190	105.3
SxWG/26-28/1000-1200	16.5	27.2	12.9	3.8	1000	937.7	15,472	3.5	14	885.9	14,618	105.8
SxWG/26-28/1200-1400	111.5	26.6	14.9	3.4	1200	904.3	100,825	3.7	14	866.1	96,568	104.4
SxWG/28-30/1000-1200	26.8	29.1	13.0	4.0	1000	1047.2	28,066	3.5	14	985.6	26,414	106.3
SxWG/28-30/1200-1400	35.3	25.6	12.6	3.9	1200	851.2	30,047	3.7	14	813.3	28,710	104.7
Totals	**2129.8**	**22.3**	**14.3**	**3.7**	**1146**	**651.9**	**1,388,443**	**3.6**	**14**	**614.7**	**1,309,203**	**106.1**

Table 56: Predicted and Target Volumes by Deciduous Stratum – Canfor 2016

Comp. Stratum ID	Compilation Stratum Label	Calc. Mean SI	Mean Effective Age	Mean MSQ	Mean Potential MSQ	Mean TSS	PMV/ha	Total PMV	Target MSQ	Target Effective Age	TMV/ha	Total TMV	PMV (% of Target)
5501	At/WG/15-17/9800-10100	23.4	N/A	3.99	0.00	10000	412	92502	33.33	N/A	371	83329	111%
5502	At/WG/17-19/9800-10100	22.3	N/A	3.98	0.00	10000	374	994968	33.33	N/A	337	896231	111%
								1087470				979560	111%

Table 57: Licensee Participant Planting Activities 2016

Harvest Start Date	Licensee	Licence	Permit	Block ID	Planting Activity	Planting Start Date	Planted Area (ha)	Seedlot	# of Trees
02/20/2015	CRL	A59959	786	01002	Planting - Burn Piles	06/26/2016	12.0	31310	14010
03/11/2015	CRL	A59959	779	01004	Planting - Burn Piles	06/26/2016	1.0	31310	1200
08/02/2014	CANFOR	PAG12	APR-91509	01117	Planting - Burn Piles	06/25/2016	9.0	31310	12915
03/08/2015	CANFOR	PAG12	APR-91509	01118	Planting - Burn Piles	06/28/2016	16.0	53765	4290
03/08/2015	CANFOR	PAG12	APR-91509	01118	Planting - Burn Piles	06/28/2016	16.0	53765	10260
03/08/2015	CANFOR	PAG12	APR-91509	01118	Planting - Burn Piles	06/28/2016	16.0	31310	5160
03/13/2015	CRL	A59959	779	01160	Planting - Burn Piles	07/18/2016	0.0	53765	540
03/19/2015	CRL	A59959	779	01161	Planting - Burn Piles	07/18/2016	0.0	31303	210
03/17/2015	CRL	A59959	779	01162	Planting - Burn Piles	07/01/2016	1.0	31303	1560
02/24/2015	CANFOR	A18154	781	01175	Planting - Establishment	06/22/2016	29.0	63437	30510
02/24/2015	CANFOR	A18154	781	01175	Planting - Establishment	06/22/2016	29.0	31303	9900
02/24/2015	CANFOR	A18154	781	01175	Planting - Establishment	06/22/2016	29.0	53325	2940
02/09/2015	CANFOR	A18154	781	01178	Planting - Establishment	06/23/2016	3.0	60455	270
02/09/2015	CANFOR	A18154	781	01178	Planting - Establishment	06/23/2016	3.0	60455	3240
02/09/2015	CANFOR	A18154	400	01179	Planting - Establishment	06/22/2016	25.0	31303	34125
02/09/2015	CANFOR	A18154	400	01179	Planting - Establishment	06/22/2016	11.0	31303	7980
02/09/2015	CANFOR	A18154	400	01179	Planting - Establishment	06/22/2016	11.0	60455	7800
08/09/2015	LP	A60049	980	01210	Planting - Establishment	07/21/2016	30.0	44975	13230
08/09/2015	LP	A60049	980	01210	Planting - Establishment	07/21/2016	30.0	31310	5690
08/09/2015	LP	A60049	980	01210	Planting - Establishment	07/21/2016	30.0	53765	11610
08/09/2015	LP	A60049	980	01210	Planting - Establishment	07/21/2016	30.0	31311	15390
07/15/2015	CMP (TEMBEC)	A60972	964	01211	Planting - Establishment	07/18/2016	41.0	48556	63300
03/11/2015	CRL	A59959	779	01286	Planting - Burn Piles	07/17/2016	0.0	53765	420
02/21/2011	CANFOR	A18154	756	02008	Planting - Fill Plant	07/04/2016	8.0	31310	7020

11/05/2012	CANFOR	A18154	789	02150	Planting - Fill Plant	06/27/2016	3.0	31310	4320
09/24/2014	CANFOR	A18154	729	02196	Planting - Burn Piles	06/25/2016	1.0	52070	1125
08/15/2012	CANFOR	PAG12	APR-90294	02198	Planting - Fill Plant	06/25/2016	4.0	31310	4860
04/06/2015	CANFOR	A18154	924	02248	Planting - Establishment	06/30/2016	12.0	31303	9180
06/18/2014	CANFOR	A18154	935	02249	Planting - Establishment	06/30/2016	2.0	31303	1200
11/02/2015	CAN DUNNE-ZA	A56771	970	03098	Planting - Establishment	06/01/2016	11.0	60455	3780
11/02/2015	CAN DUNNE-ZA	A56771	970	03098	Planting - Establishment	06/01/2016	11.0	31303	11220
09/12/2014	CAN DUNNE-ZA	A56771	938	03106	Planting - Establishment	06/01/2016	148.0	60455	54480
09/12/2014	CAN DUNNE-ZA	A56771	938	03106	Planting - Establishment	06/01/2016	148.0	31303	7920
09/12/2014	CAN DUNNE-ZA	A56771	938	03106	Planting - Establishment	06/01/2016	148.0	53765	144540
10/02/2015	CRL	A59959	939	03119	Planting - Establishment	06/01/2016	66.0	60455	89370
10/02/2015	CRL	A59959	939	03119	Planting - Establishment	06/01/2016	30.0	31310	28890
10/02/2015	CRL	A59959	939	03119	Planting - Establishment	06/01/2016	30.0	48556	18090
06/23/2014	CRL	A59959	728	03120	Planting - Establishment	07/14/2016	150.0	48556	129055
06/23/2014	CRL	A59959	728	03120	Planting - Establishment	07/14/2016	144.0	53765	3240
06/23/2014	CRL	A59959	728	03120	Planting - Establishment	07/14/2016	144.0	31310	14510
06/23/2014	CRL	A59959	728	03120	Planting - Establishment	07/14/2016	144.0	31311	61630
06/23/2014	CRL	A59959	728	03120	Planting - Establishment	07/14/2016	144.0	31303	21330
11/03/2015	CMP (TEMBEC)	A60972	941	03121	Planting - Establishment	07/19/2016	37.0	31310	15120
11/03/2015	CMP (TEMBEC)	A60972	941	03121	Planting - Establishment	07/19/2016	37.0	53765	100
11/03/2015	CMP (TEMBEC)	A60972	941	03121	Planting - Establishment	07/19/2016	37.0	31311	19170
11/03/2015	CMP (TEMBEC)	A60972	941	03121	Planting - Establishment	07/19/2016	37.0	31310	2425
11/03/2015	CMP (TEMBEC)	A60972	941	03121	Planting - Establishment	07/19/2016	37.0	48556	19280
11/24/2015	CANFOR	A18154	961	04037	Planting - Establishment	06/21/2016	58.0	48461	38700
11/24/2015	CANFOR	A18154	961	04037	Planting - Establishment	06/21/2016	58.0	53325	9240

11/24/2015	CANFOR	A18154	961	04037	Planting - Establishment	06/21/2016	58.0	60455	30
11/24/2015	CANFOR	A18154	961	04037	Planting - Establishment	06/21/2016	58.0	31303	31815
11/24/2015	CANFOR	A18154	961	04037	Planting - Establishment	06/21/2016	58.0	63437	1890
11/26/2015	CANFOR	A18154	236	04038	Planting - Establishment	06/01/2016	13.0	60455	17615
11/10/2015	CANFOR	A18154	961	04042	Planting - Establishment	06/21/2016	58.0	60455	57240
11/10/2015	CANFOR	A18154	961	04042	Planting - Establishment	06/21/2016	58.0	31310	3510
11/10/2015	CANFOR	A18154	961	04042	Planting - Establishment	06/21/2016	58.0	48461	18540
11/03/2015	CANFOR	A18154	236	04044	Planting - Establishment	06/01/2016	9.0	31303	5995
11/03/2015	CANFOR	A18154	236	04044	Planting - Establishment	06/01/2016	9.0	60455	6010
11/16/2015	LP	A60049	749	04169	Planting - Establishment	06/01/2016	12.0	60455	7695
11/16/2015	LP	A60049	749	04169	Planting - Establishment	06/01/2016	12.0	31303	8120
12/15/2014	CANFOR	A18154	733	04213	Planting - Burn Piles	06/01/2016	1.0	53765	1650
10/06/2014	CANFOR	A18154	944	04214	Planting - Burn Piles	06/01/2016	1.0	53765	990
12/01/2014	LP	A85946	735	04216	Planting - Burn Piles	06/01/2016	1.0	53765	2310
12/15/2014	CANFOR	A18154	733	04218	Planting - Establishment	06/01/2016	12.0	60455	8100
12/15/2014	CANFOR	A18154	733	04218	Planting - Establishment	06/01/2016	12.0	53765	8250
12/15/2014	CANFOR	A18154	733	04219	Planting - Establishment	06/01/2016	2.0	60455	1620
12/15/2014	CANFOR	A18154	733	04219	Planting - Establishment	06/01/2016	2.0	53765	1605
01/15/2015	CANFOR	A18154	733	04221	Planting - Burn Piles	06/01/2016	1.0	53765	1320
03/24/2015	CAN DUNNE-ZA	A56771	953	05013	Planting - Establishment	06/28/2016	134.0	31303	4605
03/24/2015	CAN DUNNE-ZA	A56771	953	05013	Planting - Establishment	06/28/2016	134.0	52070	189495
03/15/2015	CAN DUNNE-ZA	A56771	950	05032	Planting - Establishment	06/30/2016	4.0	31310	6405
09/01/2015	CAN DUNNE-ZA	A56771	954	05120	Planting - Establishment	07/04/2016	44.0	48556	3240
09/01/2015	CAN DUNNE-ZA	A56771	954	05120	Planting - Establishment	07/04/2016	44.0	53765	21645
09/01/2015	CAN DUNNE-ZA	A56771	954	05120	Planting - Establishment	07/04/2016	44.0	31310	32940
09/01/2015	LP	A60049	955	05121	Planting - Establishment	07/12/2016	165.0	48556	29310
09/01/2015	LP	A60049	955	05121	Planting - Establishment	07/12/2016	165.0	53765	52380
09/01/2015	LP	A60049	955	05121	Planting - Establishment	07/12/2016	165.0	31311	141570
09/01/2015	LP	A60049	955	05121	Planting - Establishment	07/12/2016	165.0	31303	255
06/18/2014	CANFOR	A18154	934	06027	Planting - Establishment	06/01/2016	79.0	60455	117510

04/06/2015	CANFOR	A18154	959	06033	Planting - Establishment	07/10/2016	174.0	31310	51660
04/06/2015	CANFOR	A18154	959	06033	Planting - Establishment	07/10/2016	174.0	53765	118680
04/06/2015	CANFOR	A18154	959	06033	Planting - Establishment	07/10/2016	193.0	31311	88220
02/25/2014	CANFOR	A18154	923	06072	Planting - Burn Piles	06/01/2016	3.0	53765	4380
11/05/2015	CAN DUNNE-ZA	A56771	945	06083	Planting - Establishment	06/01/2016	41.0	31303	51225
11/05/2015	CAN DUNNE-ZA	A56771	945	06083	Planting - Establishment	06/01/2016	41.0	53765	4365
11/02/2014	CANFOR	A18154	261	09029	Planting - Establishment	06/26/2016	63.0	31310	84510
03/24/2014	CANFOR	A18154	263	09033	Planting - Establishment	06/26/2016	20.0	31310	26460
02/23/2016	CANFOR	A18154	280	09067	Planting - Establishment	07/03/2016	33.0	31310	49140
12/01/2015	CAN DUNNE-ZA	A56771	320	10015	Planting - Establishment	07/04/2016	29.0	31310	45630
01/11/2016	CAN DUNNE-ZA	A56771	320	10016	Planting - Establishment	07/03/2016	40.0	31310	45900
01/11/2016	CAN DUNNE-ZA	A56771	320	10016	Planting - Establishment	07/03/2016	40.0	31303	15390
12/08/2015	CAN DUNNE-ZA	A56771	330	10017	Planting - Establishment	07/02/2016	59.0	31310	91530
05/07/2011	CANFOR	PAG12	APR-87547	18007	Planting - Fill Plant	06/23/2016	24.0	31310	31050
10/23/2015	CANFOR	A18154	942	18029	Planting - Establishment	07/13/2016	8.0	48556	8100
10/23/2015	CANFOR	A18154	942	18029	Planting - Establishment	07/13/2016	8.0	31311	2700
11/03/2015	CANFOR	A18154	943	18039	Planting - Establishment	07/11/2016	47.0	48556	61905
01/04/2016	CANFOR	A18154	947	18040	Planting - Establishment	07/06/2016	134.0	44975	64800
01/04/2016	CANFOR	A18154	947	18040	Planting - Establishment	07/06/2016	134.0	48556	85140
01/04/2016	CANFOR	A18154	947	18040	Planting - Establishment	07/06/2016	134.0	31310	19635
11/15/2015	CANFOR	A18154	440	18041	Planting - Establishment	07/06/2016	228.0	31311	51860
11/15/2015	CANFOR	A18154	440	18041	Planting - Establishment	07/06/2016	228.0	31310	168730
11/15/2015	CANFOR	A18154	440	18041	Planting - Establishment	07/06/2016	228.0	53765	80445
12/28/2015	CAN DUNNE-ZA	A56771	930	24033	Planting - Establishment	06/01/2016	80.0	60455	27270
12/28/2015	CAN DUNNE-ZA	A56771	930	24033	Planting - Establishment	06/01/2016	80.0	53765	990
12/28/2015	CAN DUNNE-ZA	A56771	930	24033	Planting - Establishment	06/01/2016	80.0	31303	80850

10/07/2015	CRL	A59959	606	24042	Planting - Establishment	06/01/2016	47.0	60455	17820
10/07/2015	CRL	A59959	606	24042	Planting - Establishment	06/01/2016	47.0	31303	35310
10/07/2015	CRL	A59959	606	24042	Planting - Establishment	06/01/2016	47.0	53765	9735
11/25/2014	CANFOR	A18154	936	24181	Planting - Burn Piles	06/01/2016	8.0	31303	11880
10/09/2014	CANFOR	A18154	932	24209	Planting - Establishment	06/01/2016	163.0	60455	110160
10/09/2014	CANFOR	A18154	932	24209	Planting - Establishment	06/01/2016	163.0	53765	16170
10/09/2014	CANFOR	A18154	932	24209	Planting - Establishment	06/01/2016	163.0	31303	94380
10/01/2014	CANFOR	A18154	931	24213	Planting - Establishment	06/01/2016	109.0	31310	74520
10/01/2014	CANFOR	A18154	931	24213	Planting - Establishment	06/01/2016	109.0	31303	74520
08/04/2010	CANFOR	PAG12	APR-87683	S02037	Planting - Fill Plant	06/27/2016	26.0	31310	36315
01/25/2010	CANFOR	PAG12	APR-86665	S02089	Planting - Fill Plant	06/27/2016	20.0	31310	29055
09/23/2015	CANFOR	A18154	961	S04054	Planting - Establishment	06/01/2016	24.0	53765	32670
							6839.0		**3663105**

Table 58: Establishment Delay Report – Inventory Layer – Licensee Participants 2016

Harvest Start Date	Licensee	Licence	CP	Block ID	Regen Delay Met Date	Stratum Name	Stratum Area (ha)	Layer Type	Species 1	Percent 1	Species 2	Percent 2	Species 3	Percent 3
02/24/2015	CANFOR	A18154	781	01175	06/22/2016	a	27.3	I	Pli	50	Sx	50		
02/09/2015	CANFOR	A18154	781	01178	06/23/2016	a	2.6	I	Sx	100				
02/09/2015	CANFOR	A18154	400	01179	06/22/2016	a2	24.5	I	Pli	100				
02/09/2015	CANFOR	A18154	400	01179	06/23/2016	a_fire	35.8	I	Pli	50	Sx	50		
04/06/2015	CANFOR	A18154	924	02248	07/01/2016	b	11.9	I	Pli	100				
06/18/2014	CANFOR	A18154	935	02249	07/01/2016	a_pl2016	1.5	I	Pli	100				
11/02/2015	CANFOR	A56771	970	03098	07/01/2016	a	11.5	I	Pli	75	Sx	25		
09/12/2014	CANFOR	A56771	938	03106	07/01/2016	a1	148.1	I	Pli	75	Sx	25		
10/02/2015	CRL	A59959	939	03119	07/01/2016	a1	65.6	I	Sx	100				
10/02/2015	CRL	A59959	939	03119	07/20/2016	a2	18.8	I	Sx	60	Pli	40		
10/02/2015	CRL	A59959	939	03119	07/20/2016	b	11.9	I	Sx	60	Pli	40		
06/23/2014	CRL	A59959	728	03120	07/19/2016	a_pl16	140.6	I	Pli	70	Sx	30		
06/23/2014	CRL	A59959	728	03120	07/19/2016	b_pl16	3.1	I	Pli	70	Sx	30		
11/03/2015	MPMC	A60972	941	03121	07/21/2016	a_pl2016	12.5	I	Sx	65	Pli	35		
11/03/2015	MPMC	A60972	941	03121	07/21/2016	b_pl2016	24.0	I	Sx	65	Pli	35		
11/24/2015	CANFOR	A18154	961	04037	06/23/2016	a	59.5	I	Pli	50	Sx	50		
11/26/2015	CANFOR	A18154	236	04038	07/01/2016	a	13.4	I	Sx	100				
11/10/2015	CANFOR	A18154	961	04042	07/05/2016	a	59.6	I	Sx	100				
11/03/2015	CANFOR	A18154	236	04044	07/01/2016	a	9.3	I	Pli	50	Sx	50		
11/16/2015	LP	A60049	749	04169	07/01/2016	a	12.5	I	Pli	75	Sx	25		
12/15/2014	CANFOR	A18154	733	04218	07/01/2016	a	12.1	I	Pli	50	Sx	50		
12/15/2014	CANFOR	A18154	733	04219	07/01/2016	a	2.3	I	Pli	50	Sx	50		
03/24/2015	CANFOR	A56771	953	05013	07/05/2016	a_pl2015	79.8	I	Sx	60	Pli	40		
03/24/2015	CANFOR	A56771	953	05013	07/05/2016	a_pl2016	134.2	I	Pli	100				
09/01/2015	CANFOR	A56771	954	05120	07/10/2016	a	45.1	I	Sx	60	Pli	40		
09/01/2015	LP	A60049	955	05121	07/17/2016	a1	154.4	I	Sx	60	Pli	40		
09/01/2015	LP	A60049	955	05121	07/17/2016	b	15.4	I	Sx	60	Pli	40		

06/18/2014	CANFOR	A18154	934	06027	07/01/2016	b_pl16	69.6	I	Sx	100				
06/18/2014	CANFOR	A18154	934	06027	07/01/2016	c_pl16	9.2	I	Sx	100				
11/05/2015	CANFOR	A56771	945	06083	07/01/2016	a_pl16	19.3	I	Pli	100				
11/05/2015	CANFOR	A56771	945	06083	07/01/2016	b_pl16	22.5	I	Pli	100				
11/02/2014	CANFOR	A18154	261	09029	06/28/2016	a_pl2016	34.2	I	Sx	100				
11/02/2014	CANFOR	A18154	261	09029	06/28/2016	b_pl2016	24.8	I	Sx	100				
03/24/2014	CANFOR	A18154	263	09033	06/26/2016	a_pl2016	10.5	I	Sx	100				
03/24/2014	CANFOR	A18154	263	09033	06/26/2016	b_pl2016	9.1	I	Sx	100				
02/23/2016	CANFOR	A18154	280	09067	07/03/2016	a	33.6	I	Sx	100				
12/01/2015	CANFOR	A56771	320	10015	07/05/2016	a_pl2016	17.4	I	Sx	100				
12/01/2015	CANFOR	A56771	320	10015	07/05/2016	b_pl2016	13.0	I	Sx	100				
01/11/2016	CANFOR	A56771	320	10016	07/03/2016	a	28.1	I	Sx	75	Pli	25		
01/11/2016	CANFOR	A56771	320	10016	07/03/2016	b	12.6	I	Sx	75	Pli	25		
12/08/2015	CANFOR	A56771	330	10017	07/03/2016	a_pl2016	61.0	I	Sx	100				
10/23/2015	CANFOR	A18154	942	18029	07/13/2016	a	8.3	I	Pli	75	Sx	25		
11/03/2015	CANFOR	A18154	943	18039	07/13/2016	a	47.9	I	Pli	100				
01/04/2016	CANFOR	A18154	947	18040	07/10/2016	a	75.8	I	Pli	50	Sx	50		
01/04/2016	CANFOR	A18154	947	18040	07/10/2016	b	62.4	I	Pli	50	Sx	50		
11/15/2015	CANFOR	A18154	440	18041	07/13/2016	a	157.6	I	Sx	75	Pli	25		
11/15/2015	CANFOR	A18154	440	18041	07/13/2016	b	77.6	I	Sx	75	Pli	25		
12/28/2015	CANFOR	A56771	930	24033	07/01/2016	a	82.7	I	Pli	75	Sx	25		
10/07/2015	CRL	A59959	606	24042	07/01/2016	a	48.4	I	Pli	70	Sx	30		
10/09/2014	CANFOR	A18154	932	24209	07/01/2016	con	163.1	I	Pli	50	Sx	50		
10/01/2014	CANFOR	A18154	931	24213	07/01/2016	a	86.1	I	Pli	50	Sx	50		
10/01/2014	CANFOR	A18154	931	24213	07/01/2016	b	19.9	I	Pli	50	Sx	50		
09/23/2015	CANFOR	A18154	961	S04054	07/01/2016	a	24.8	I	Pli	100				
11/05/2012	CANFOR	A18154	789	02150	06/27/2016	b	3.1	I	Sx	100				
08/15/2012	CANFOR	PAG12	APR-90294	02198	06/27/2016	c	3.4	I	Sx	100				
04/06/2015	CANFOR	A18154	959	06033	07/19/2016	a1	18.9	I	Sx	100				
04/06/2015	CANFOR	A18154	959	06033	07/19/2016	a2	173.7	I	Pli	50	Sx	50		
05/07/2011	CANFOR	PAG12	APR-87547	18007	06/25/2016	fp	23.8	I	Sx	100				
08/04/2010	CANFOR	PAG12	APR-87683	S02037	06/27/2016	fp	25.7	I	Sx	100				
01/25/2010	CANFOR	PAG12	APR-86665	S02089	06/28/2016	b	19.9	I	Sx	100				
07/19/2014	CANFOR	PAG12	APR-90208	01113	05/16/2016	A	24.2	I	At	90	Act	10		
07/23/2014	CANFOR	PAG12	APR-90208	01116	05/17/2016	A	7.1	I	Act	100				
07/23/2014	CANFOR	PAG12	APR-90208	01116	05/17/2016	B	56.5	I	At	90	Act	10		

07/25/2014	CANFOR	PAG12	APR-90208	01122	07/11/2016	A	21.8	I	At	63	Act	37		
11/05/2013	CANFOR	A18154	927	02106	07/04/2016	A	5.1	I	At	100				
11/07/2013	CANFOR	PAG12	APR-90598	02108	07/04/2016	A	4.5	I	At	100				
11/11/2013	CANFOR	PAG12	APR-90598	02109	07/04/2016	A	3.7	I	At	100				
11/07/2013	CANFOR	PAG12	APR-90598	02111	09/08/2016	A	3.1	I	At	100				
11/26/2013	MPMC	A60972	103	02120	09/08/2016	B	12.8	I	At	100				
11/25/2013	CANFOR	PAG12	APR-90322	02135	09/08/2016	A	13.4	I	At	100				
04/05/2013	CANFOR	PAG12	APR-90578	02204	07/05/2016	A	75.9	I	At	95	Ep	5		
01/15/2013	CANFOR	PAG12	APR-89528	02239	07/06/2016	A	25.7	I	At	100				
02/01/2013	LP	A60049	771	02240	07/06/2016	A	8.6	I	At	100				
09/05/2013	CANFOR	PAG12	APR-91324	02250	07/05/2016	A	1.5	I	At	100				
01/15/2013	CANFOR	PAG12	APR-90958	02291	07/06/2016	A	41.6	I	At	100				
01/28/2013	LP	A60049	799	04111	09/06/2016	A	33.2	I	At	100				
07/23/2013	LP	A60049	796	05023	08/03/2016	A	66.5	I	At	100				
07/23/2013	LP	A60049	796	05023	08/03/2016	B	35.3	I	At	100				
09/01/2013	LP	A60049	796	05024	07/18/2016	A	8.5	I	At	100				
10/05/2013	LP	A60049	796	05058	05/20/2016	A	34.3	I	At	73	Act	27		
10/20/2013	LP	A60049	796	05059	05/20/2016	A	12.8	I	At	100				
10/05/2013	LP	A60049	794	05060	07/12/2016	A	71.1	I	At	100				
02/15/2013	LP	A60049	794	05108	09/20/2016	A	18.6	I	At	98	Act	2		
04/05/2013	CANFOR	A56771	605	05129	08/31/2016	A	28.7	I	At	100				
08/06/2013	LP	A60049	900	06051	10/31/2016	a	283.2	I	At	90	Act	10		
03/20/2014	CANFOR	A18154	919	06053	10/31/2016	a	96.6	I	At	10				
11/26/2013	CANFOR	A18154	921	06063	09/03/2016	B	26.8	I	At	90	Ac	10		
03/26/2013	CANFOR	PAG12	APR-90759	06088	09/14/2016	A	71.1	I	At	100				
11/15/2013	LP	A85946	256	09080	09/03/2016	B	33.6	I	At	90	Ac	10		
12/20/2013	LP	A85946	256	09082	09/03/2016	A	13.6	I	At	100				
09/15/2013	LP	A85946	256	09095	06/16/2016	A	94.5	I	At	90	Act	10		
07/01/2015	LP	A85946	334	10036	10/31/2016	1	198.4	I	At	100				
06/05/2013	LP	A60049	780	45052	08/18/2016	A	58.1	I	At	80	Ac	20		
01/10/2013	CANFOR	PAG12	APR-90794	S24136	09/17/2016	A	4.7	I	At	100				
01/20/2014	LP	A85946	260	09077	09/01/2016	A	50.6	I	At	90	Ac	10		
01/20/2014	LP	A85946	260	09077	09/01/2016	B	18.6	I	At	90	Ac	10		

Table 59: BCTS establishment delay calculation for reporting period of April 1, 2016 to March 31, 2017

Conifer					
Harvest Start Date	**Net Area to be Reforested (NAR)**	**Cutblock #**	**TSL**	**# of days from harvest start through reporting period of March 31, 2017**	**# days * NAR**
2017-02-20	10.3	37017	A90801	39	402
2017-02-20	2.1	37017	A90801	39	83
2017-02-27	48.4	37018	A92978	32	1,549
2017-02-27	7.4	37018	A92978	32	237
2017-02-27	1.9	37018	A92978	32	60
2017-02-14	3.5	37019	A76786	45	157
2017-02-14	0.7	37019	A76786	45	33
2017-03-10	13.7	37020	A76786	21	287
2017-03-10	4.4	37020	A76786	21	93
2017-02-08	8.0	37021	A76786	51	407
2016-02-11	16.9	03045	A90801	414	7,009
2016-02-11	2.3	03045	A90801	414	932
2016-02-18	106.8	03047	A90908	407	43,451
2016-02-08	15.5	03070	A90908	417	6,468
2015-11-17	2.2	01176	A90800	500	1,110
2015-11-17	15.0	01176	A90800	500	7,475
2015-04-03	66.5	03104	A90800	728	48,412
2015-04-03	35.3	03104	A90903	728	25,669
2015-11-16	182.2	29015	A90906	501	91,277
2015-11-16	41.6	29015	A90906	501	20,862
2016-01-07	152.8	29016	A90906	449	68,616
2016-01-07	32.0	29016	A90907	449	14,381
2016-01-24	33.6	04066	A90907	432	14,528
2016-01-21	3.8	04165	A90907	435	1,631
2017-01-23	33.8	04067	A90909	67	2,263
2016-01-29	11.3	18033	A90909	427	4,804
2016-01-29	65.7	18033	A90909	427	28,071
2016-12-23	38.1	03114	A92242	98	3,735
2016-12-15	79.8	24205	A92819	106	8,457
2016-12-15	14.5	24205	A92970	106	1,533
2016-01-25	34.7	45016	A92970	431	14,934
2017-02-24	5.6	02268	A92970	35	195
2017-02-24	71.3	03100	A92971	35	2,496
2016-10-17	12.7	45039	A92979	165	2,097
2016-09-15	17.1	06090	A92238	197	3,371
2016-12-30	14.4	24249	A92238	91	1,307
2016-12-30	17.2	24249	A92239	91	1,567
2016-11-30	11.1	24269	A92239	121	1,347

2016-12-23	5.6	24270	A92242	98	545
2016-12-23	1.8	24270	A92819	98	175
2017-01-16	37.4	24261	A92970	74	2,769
2017-01-16	40.3	24261	A92970	74	2,981
2016-11-07	27.9	06071	A92971	144	4,018
2016-11-19	18.1	06075	A92971	132	2,392
2016-11-19	13.5	06075	A92973	132	1,783
2017-02-22	4.5	02267	A92973	37	166
2017-01-06	64.9	03125	A92979	84	5,451
2016-11-23	38.7	03118	A93669	128	4,954
2016-11-23	42.2	03118	A89120	128	5,399
2017-01-16	24.0	01026	A90907	74	1,778
2017-01-16	7.7	01026	A92979	74	573
2017-02-23	62.5	03111	A90801	36	2,249
2017-02-23	84.6	03111	A90801	36	3,044
2017-02-27	20.3	27004	A92978	32	650
2017-02-27	3.8	27004	A92978	32	123
2017-02-27	19.5	27004	A92978	32	625
2017-01-16	104.9	01026	A76786	74	7,760
2015-12-15	24.5	45020	A76786	472	11,559
2015-12-17	34.4	45021	A76786	470	16,177
2015-12-18	24.3	45023	A76786	469	11,373
2017-01-05	15.4	24248	A76786	85	1,306
2016-11-30	19.6	24269	A90801	121	2,372
2017-01-02	58.6	03043	A90801	88	5,159
2017-01-02	37.2	03043	A90908	88	3,275
2017-02-20	21.8	1	A90908	39	852
2017-02-20	5.1	1	A90800	39	199
2014-11-21	8.2	01280	A90800	861	7,095
2015-01-02	35.3	04141	A90800	819	28,878
2015-03-03	19.0	18034	A90903	759	14,451
2015-03-03	2.4	18034	A90906	759	1,784
2016-01-24	29.1	04068	A90906	432	12,550
2016-02-18	11.5	45024	A90906	407	4,660
2017-02-22	17.0	02267	A90907	37	628
2017-02-15	48.6	27005	A90907	44	2,137
2017-02-15	13.5	27005	A90907	44	595
2015-02-11	19.3	45057	A90909	424	8,183
Totals	2,300.9			17,605	611,972
		Weighted number of days			265.9740
		Weighted number of years			0.7

Deciduous

Harvest Start Date	Net Area to be Reforested (NAR)	Cutblock #	TSL	# of days from harvest start through reporting period of March 31, 2017	# days * NAR
2015-01-19	40.2	03072	A82101	802	32216.34

2013-11-25	33.3	09026	A85684	1,222	40668.16
2014-12-20	174.4	44044	A85686	832	145092.5
2014-12-22	127.3	44045	A85687	830	105692.2
2014-11-01	7.4	01202	A90800	881	6510.59
2014-11-21	3.2	01280	A90800	861	2737.98
2014-11-30	26.0	01281	A90800	852	22177.56
2015-01-02	30.4	04141	A90903	819	24913.98
2014-12-18	10.5	04194	A90903	834	8765.34
2014-12-12	14.0	04195	A90903	840	11718
2015-03-03	20.0	18034	A90907	759	15172.41
2015-12-02	101.8	44052	A92231	485	49363.3
2016-02-23	57.3	44057	A92231	402	23018.52
2016-02-10	62.6	44061	A92237	415	25958.25
2016-02-10	44.4	44061	A92237	415	18426
2015-12-12	17.4	04064	A92970	475	8255.5
2016-01-24	3.2	04068	A92970	432	1382.4
2015-12-16	16.9	04161	A92971	471	7941.06
2016-01-12	5.4	04190	A92971	444	2402.04
2017-02-08	6.2	24355	A92976	51	317.22
2015-01-26	10.2	03055	A82100	795	8101.05
2016-02-01	34.6	45057	A92979	424	14678.88
2016-02-08	10.6	03070	A76786	417	4428.54
2015-12-01	49.8	01194	A92233	486	24178.5
2015-12-07	65.9	01195	A92234	480	31617.6
2016-01-19	34.1	01214	A92234	437	14888.59
2016-01-05	65.9	01215	A92234	451	29711.88
2016-01-24	20.5	04066	A92970	432	8847.36
2016-10-17	104.8	45039	A93052	165	17295.3
2016-09-15	87.3	06090	A93058	197	17200.07
2016-01-06	133.7	44046	A85688	450	60169.5
2015-02-11	17.2	18062	A90907	779	13429.96
Totals	1,198.0			17,209	706477
		Weighted number of days			589.7088
		Weighted number of years			1.6
Mixedwood					
Harvest Start Date	**Net Area to be Reforested (NAR)**	**Cutblock #**	**TSL**	**# of days from harvest start through reporting period of March 31, 2017**	**# days * NAR**
2014-11-12	17.6	04244	A89119	870	15320.7
2015-02-23	17.8	04252	A89119	767	13629.59
2013-02-16	44.5	04250	A89118	1,504	66882.88
2013-11-27	22.7	02261	A89120	1,220	27657.4
2013-01-07	38.0	04249	A89842	1,544	58625.68
Totals	79.9			3,141	95833.17
		Weighted number of days			1200.16493
		Weighted number of years			3.3

Table 60: Licensee Participants conifer establishment delay calculation for reporting period of April 1, 2016 to March 31, 2017

License	Permit	Cut Block	SU ID	Current Declaration	Harvest Start Date	SU NAR	Regen Met	Regen Days	Regen Days x SU NAR
A18154	278	45061	A	C	09/15/2016	102.6	N	197	20212.2
A18154	424	01180	A	C	02/27/2017	4.4	N	32	140.8
A18154	424	01318	A	C	02/09/2017	13.6	N	50	680.0
A18154	424	01331	A	C	02/01/2017	2.8	N	58	162.4
A18154	424	01333	A	C	02/09/2017	14.1	N	50	705.0
A18154	443	01319	A	C	12/01/2016	27.9	N	120	3348.0
A18154	443	01320	A	C	01/11/2017	26.1	N	79	2061.9
A18154	443	01322	A	C	01/11/2017	16.4	N	79	1295.6
A18154	444	01330	A	C	02/20/2017	2.5	N	39	97.5
A18154	444	01332	A	C	02/23/2017	3.9	N	36	140.4
A18154	444	27035	B	C	01/10/2017	18.0	N	80	1440.0
A18154	444	27049	A	C	02/13/2017	18.3	N	46	841.8
A18154	450	25061	A	C	03/10/2017	0.6	N	21	12.6
A18154	450	25064	A	C	03/11/2017	3.6	N	20	72.0
A18154	450	25072	A	C	03/12/2017	3.3	N	19	62.7
A18154	450	31005	A	C	02/20/2017	1.7	N	39	66.3
A18154	450	31023	A	C	02/20/2017	2.0	N	39	78.0
A18154	451	31003	A	C	02/24/2017	19.2	N	35	672.0
A18154	451	31016	A	C	02/20/2017	17.3	N	39	674.7
A18154	451	31017	A	C	02/20/2017	21.5	N	39	838.5
A18154	451	31019	A	C	02/28/2017	1.7	N	31	52.7
A18154	502	04127	A	C	03/22/2017	43.3	N	9	389.7
A18154	522	06056	A	C	02/21/2017	23.3	N	38	885.4
A18154	522	06056	B	C	02/21/2017	3.0	N	38	114.0
A18154	523	02024	A	C	03/15/2017	35.1	N	16	561.6
A18154	600	19031	A	C	11/10/2016	118.5	N	141	16708.5
A18154	600	19078	A	C	11/29/2016	32.2	N	122	3928.4
A18154	600	19080	A	C	12/23/2016	48.4	N	98	4743.2
A18154	600	19081	A	C	12/06/2016	27.3	N	115	3139.5
A18154	662	24292	A	C	01/25/2016	58.0	N	431	24998.0
A18154	662	24294	A	C	02/15/2016	4.3	N	410	1763.0
A18154	663	24282	A	C	12/08/2015	34.2	N	479	16381.8
A18154	663	24282	B	C	12/08/2015	31.0	N	479	14849.0
A18154	664	S24050	A	C	11/07/2016	5.2	N	144	748.8
A18154	667	24227	A	C	11/25/2016	6.2	N	126	781.2
A18154	669	S24033	A	C	10/28/2016	29.3	N	154	4512.2
A18154	670	S24049	A	C	11/14/2016	61.6	N	137	8439.2
A18154	673	19079	A	C	11/22/2016	12.8	N	129	1651.2
A18154	675	19072	A	C	10/21/2016	50.3	N	161	8098.3

A18154	722	01021	A	C	03/28/2012	125.0	N	1829	228625.0
A18154	795	01009	A	C	02/26/2017	16.0	N	33	528.0
A18154	795	01011	A	C	03/01/2017	6.8	N	30	204.0
A18154	795	01012	A	C	03/02/2017	6.5	N	29	188.5
A18154	809	23070	A	C	02/23/2017	88.6	N	36	3189.6
A18154	948	03042	A	C	08/01/2016	49.7	N	242	12027.4
A18154	948	03042	B	C	08/01/2016	19.0	N	242	4598.0
A18154	957	03112	A	C	06/25/2016	100.9	N	279	28151.1
A18154	960	02300	A	C	06/16/2015	45.5	N	654	29757.0
A18154	962	02299	A	C	07/01/2015	30.1	N	639	19233.9
A18154	962	02299	B	C	07/01/2015	8.9	N	639	5687.1
A18154	966	02258	A	C	11/07/2016	8.9	N	144	1281.6
A18154	966	04137	A	C	10/15/2016	94.9	N	167	15848.3
A18154	968	03041	A	C	08/15/2016	23.6	N	228	5380.8
A18154	968	03041	B	C	08/15/2016	2.1	N	228	478.8
A18154	969	03131	A	C	10/10/2016	1.4	N	172	240.8
A18154	969	06096	A	C	11/01/2016	35.3	N	150	5295.0
A18154	974	01271	A	C	09/17/2015	3.5	N	561	1963.5
A18154	974	01272	A	C	09/17/2015	22.4	N	561	12566.4
A18154	975	06078	A	C	08/20/2015	90.1	N	589	53068.9
A18154	975	06078	B	C	08/20/2015	16.3	N	589	9600.7
A18154	976	06068	A	C	07/01/2016	70.1	N	273	19137.3
A18154	976	06068	B	C	07/01/2016	14.3	N	273	3903.9
A18154	977	01284	A	C	09/01/2015	54.7	N	577	31561.9
A18154	979	06093	A	C	06/27/2016	76.9	N	277	21301.3
A18154	979	06097	A	C	03/14/2016	35.8	N	382	13675.6
A18154	981	06052	A	C	02/16/2016	117.3	N	409	47975.7
A18154	981	06052	B	C	02/16/2016	29.3	N	409	11983.7
A18154	984	06064	A	C	08/15/2016	38.9	N	228	8869.2
A18154	986	18044	A	C	04/01/2016	96.5	N	364	35126.0
A18154	986	18044	B	C	04/01/2016	32.9	N	364	11975.6
A18154	997	02090	A	C	03/15/2017	48.7	N	16	779.2
A56771	112	01166	A	C	08/06/2015	65.6	N	603	39556.8
A56771	320	10015	A	C	12/01/2015	35.4	N	486	17204.4
A56771	320	10015	B	C	12/01/2015	31.0	N	486	15066.0
A56771	330	10017	A	C	12/08/2015	87.8	N	479	42056.2
A56771	330	12018	A	C	01/23/2016	92.6	N	433	40095.8
A56771	409	03132	A	C	10/10/2016	4.5	N	172	774.0
A56771	525	04075	A	C	03/31/2017	64.1	N	0	0.0
A56771	526	04089	A	C	03/25/2017	28.9	N	6	173.4
A56771	661	24051	A	C	12/01/2016	13.8	N	120	1656.0
A56771	661	24051	B	C	12/01/2016	46.1	N	120	5532.0
A56771	945	06083	A	C	11/05/2015	22.6	N	512	11571.2
A56771	945	06083	B	C	11/05/2015	32.1	N	512	16435.2
A56771	946	02053	A	C	03/19/2015	137.6	N	743	102236.8
A56771	971	03130	A	C	09/16/2016	16.5	N	196	3234.0
A56771	971	03130	B	C	09/16/2016	1.1	N	196	215.6
A56771	983	04076	A	C	11/06/2016	13.8	N	145	2001.0

A56771	983	04076	B	C	11/06/2016	8.2	N	145	1189.0
A56771	985	04084	A	C	11/21/2016	18.4	N	130	2392.0
A56771	985	04084	B	C	11/21/2016	4.8	N	130	624.0
A56771	987	04069	A	C	09/26/2016	19.0	N	186	3534.0
A56771	987	04070	A	C	09/28/2016	45.8	N	184	8427.2
A56771	987	04070	B	C	09/28/2016	5.5	N	184	1012.0
A56771	987	04071	A	C	10/20/2016	52.1	N	162	8440.2
A56771	990	03036	A	C	09/23/2016	26.7	N	189	5046.3
A59959	608	24035	A	C	12/16/2015	24.6	N	471	11586.6
A59959	608	24038	A	C	12/07/2015	2.8	N	480	1344.0
A59959	608	24038	B	C	12/07/2015	23.1	N	480	11088.0
A59959	608	24039	A	C	11/24/2015	36.3	N	493	17895.9
A59959	608	24040	A	C	11/18/2015	11.3	N	499	5638.7
A59959	608	24060	A	C	11/23/2015	80.7	N	494	39865.8
A60049	259	45035	B	C	01/30/2014	19.0	N	1156	21964.0
A60049	259	45035	C	C	01/30/2014	136.7	N	1156	158025.2
A60049	300	S04032	C	C	12/06/2006	40.9	N	3768	154111.2
A60049	660	24041	A	C	11/18/2015	7.9	N	499	3942.1
A60050	226	S05008	B	C	12/07/2005	6.7	N	4132	27684.4
A60050	272	05003	B	C	11/27/2006	47.9	N	3777	180918.3
A60972	446	27040	A	C	01/19/2017	18.2	N	71	1292.2
A60972	941	03121	A	C	11/03/2015	177.9	N	514	91440.6
A60972	941	03121	B	C	11/03/2015	26.9	N	514	13826.6
A60972	956	03108	A	C	09/19/2016	11.1	N	193	2142.3
					SU NAR Total	**3,902.4**			1861790.9
					Weighted Regen Days	**477.0887**	**days**		
					Weighted Regen Days	**1.307092**	**years**		

Table 61: Licensee Participants deciduous establishment delay calculation for reporting period of April 1, 2016 to March 31, 2017

License	Permit	Cut Block	SU ID	Current Declaration	Harvest Start Date	SU NAR	Regen Met	Regen Days	Regen Days x SU NAR
A18154	401	27033	A	D	11/11/2014	14.3	N	871	12455.3
A18154	424	27050	A	D	01/19/2017	2.8	N	71	198.8
A18154	424	27051	A	D	01/19/2017	1.4	N	71	99.4
A18154	424	27052	A	D	01/19/2017	2.0	N	71	142.0
A18154	424	27053	A	D	02/20/2017	1.1	N	39	42.9
A18154	424	27054	A	D	02/20/2017	5.0	N	39	195.0
A18154	424	27055	A	D	02/10/2017	5.2	N	49	254.8

A18154	424	27065	A	D	03/01/2017	0.6	N	30	18.0
A18154	424	27066	A	D	01/24/2017	5.1	N	66	336.6
A18154	440	18027	A	D	11/01/2015	42.7	N	516	22033.2
A18154	442	S25018	B	D	11/05/2012	47.8	N	1607	76814.6
A18154	444	27034	A	D	12/16/2016	215.0	N	105	22575.0
A18154	444	27035	A	D	01/10/2017	65.5	N	80	5240.0
A18154	444	27036	A	D	01/26/2017	62.4	N	64	3993.6
A18154	444	27046	A	D	11/30/2016	131.0	N	121	15851.0
A18154	444	27048	A	D	01/26/2017	25.3	N	64	1619.2
A18154	445	01321	A	D	01/11/2017	12.7	N	79	1003.3
A18154	445	01334	A	D	01/19/2017	2.9	N	71	205.9
A18154	445	27061	A	D	11/15/2016	26.7	N	136	3631.2
A18154	445	27068	A	D	01/26/2017	17.1	N	64	1094.4
A18154	450	25066	A	D	03/15/2017	10.4	N	16	166.4
A18154	924	02248	A	D	04/06/2015	16.8	N	725	12180.0
A18154	932	24209	A	D	10/09/2014	93.9	N	904	84885.6
A18154	934	06027	A	D	06/18/2014	98.4	N	1017	100072.8
A60049	204	45048	A	D	02/15/2014	241.2	N	1140	274968.0
A60049	259	45035	A	D	01/30/2014	277.7	N	1156	321021.2
A60049	265	44055	A	D	02/01/2015	44.3	N	789	34952.7
A60049	265	44055	B	D	02/01/2015	31.2	N	789	24616.8
A60049	267	44068	A	D	03/01/2017	41.5	N	30	1245.0
A60049	660	S24028	A	D	11/18/2015	44.5	N	499	22205.5
A60049	677	19098	A	D	11/18/2016	14.2	N	133	1888.6
A60049	737	01219	A	D	09/24/2014	86.6	N	919	79585.4
A60049	741	43076	A	D	02/23/2015	12.2	N	767	9357.4
A60049	741	43077	A	D	02/23/2015	115.2	N	767	88358.4
A60049	743	43057	A	D	09/29/2015	36.2	N	549	19873.8
A60049	743	43058	A	D	09/29/2015	1.9	N	549	1043.1
A60049	743	43059	A	D	09/14/2015	4.3	N	564	2425.2
A60049	743	43060	A	D	09/24/2015	7.8	N	554	4321.2
A60049	743	43061	B	D	09/21/2015	0.3	N	557	167.1
A60049	743	43062	A	D	09/15/2015	9.1	N	563	5123.3
A60049	776	01199	A	D	03/20/2015	20.5	N	742	15211.0
A60049	790	01200	A	D	03/20/2015	6.4	N	742	4748.8
A60049	794	05025	A	D	02/15/2013	215.9	N	1505	324929.5
A60049	925	01167	A	D	08/03/2015	23.3	N	606	14119.8
A60049	937	06039	A	D	08/22/2014	31.7	N	952	30178.4
A60049	940	05052	A	D	03/15/2015	25.6	N	747	19123.2
A60049	940	05055	A	D	03/07/2015	31.4	N	755	23707.0
A60049	958	04171	A	D	11/21/2015	10.2	N	496	5059.2
A60049	982	02163	A	D	07/08/2016	133.6	N	266	35537.6
A60972	446	27043	A	D	03/15/2017	11.4	N	16	182.4
A60972	446	27045	A	D	03/15/2017	4.1	N	16	65.6
A60972	446	27047	A	D	01/27/2017	156.5	N	63	9859.5
A60972	446	27056	A	D	02/21/2017	6.5	N	38	247.0
A60972	446	27064	A	D	02/17/2017	3.4	N	42	142.8
A60972	446	27067	A	D	01/24/2017	9.4	N	66	620.4

A60972	446	27071	A	D	11/15/2016	47.0	N	136	6392.0
A85946	256	09088	A	D	01/20/2014	30.0	N	1166	34980.0
A85946	256	09088	B	D	01/20/2014	6.8	N	1166	7928.8
A85946	260	09076	A	D	10/03/2014	41.2	N	910	37492.0
A85946	264	44053	A	D	02/16/2015	56.2	N	774	43498.8
A85946	264	44053	B	D	02/16/2015	69.5	N	774	53793.0
A85946	264	44054	A	D	01/10/2017	123.7	N	80	9896.0
A85946	264	44054	B	D	01/10/2017	46.0	N	80	3680.0
A85946	264	44062	A	D	04/01/2015	76.3	N	730	55699.0
A85946	264	44067	A	D	01/19/2015	11.6	N	802	9303.2
A85946	264	44067	B	D	01/19/2015	84.0	N	802	67368.0
A85946	279	09066	A	D	02/29/2016	58.9	N	396	23324.4
A85946	449	01248	A	D	03/08/2017	55.2	N	23	1269.6
A85946	500	06092	A	D	10/01/2016	120.3	N	181	21774.3
A85946	503	04080	A	D	12/03/2016	90.8	N	118	10714.4
A85946	503	04082	A	D	01/23/2017	13.3	N	67	891.1
A85946	503	04083	A	D	01/24/2017	39.8	N	66	2626.8
A85946	735	04216	B	D	12/01/2014	24.7	N	851	21019.7
A85946	735	04222	A	D	10/07/2014	60.5	N	906	54813.0
A85946	735	04222	B	D	10/07/2014	24.9	N	906	22559.4
A85946	943	06044	A	D	10/04/2016	164.0	N	178	29192.0
A85946	943	06044	B	D	10/04/2016	167.4	N	178	29797.2
A85946	972	04099	A	D	09/02/2015	193.9	N	576	111686.4
A85946	972	04100	A	D	09/15/2015	36.1	N	563	20324.3
A85946	992	06035	A	D	07/15/2016	455.4	N	259	117948.6
A85946	992	06035	B	D	07/15/2016	52.7	N	259	13649.3
A85946	992	06037	A	D	09/01/2016	101.3	N	211	21374.3
PAG12	APR-84876	S25011	A	D	10/29/2008	58.3	N	3075	179272.5
PAG12	APR-91509	01117	A	D	08/02/2014	53.8	N	972	52293.6
PAG12	APR-91702	02193	A	D	08/21/2014	38.8	N	953	36976.4
PAG12	APR-91759	02292	A	D	12/20/2013	51.0	N	1197	61047.0
PAG12	APR-92112	03096	A	D	08/22/2016	3.8	N	221	839.8
PAG12	APR-92112	03129	A	D	08/22/2016	5.2	N	221	1149.2
PAG12	APR-92458	43070	A	D	08/01/2016	56.7	N	242	13721.4
PAG12	APR-92650	04220	A	D	12/15/2014	1.8	N	837	1506.6
PAG12	APR-95141	25040	A	D	03/16/2017	19.6	N	15	294.0
PAG12	APR-95141	25065	A	D	03/13/2017	20.7	N	18	372.6
PAG20	APR-92822	S18017	A	D	12/12/2015	5.5	N	475	2612.5
PAG20	APR-	S18018	A	D	02/01/2016	14.7	N	424	6232.8

	92822								
PAG20	APR-94108	S24051	A	D	11/07/2016	11.7	N	144	1684.8
					SU NAR Total	5,157.3			2930992.7
					Weighted Regen Days	568.3192			
					Weighted Regen Days	1.557039			

Table 62: Licensee Participants mixedwood establishment delay calculation for reporting period of April 1, 2016 to March 31, 2017

License	Permit	Cut Block	SU ID	Current Declaration	Harvest Start Date	SU NAR	Regen Met	Regen Days	Regen Days x SU NAR
A18154	266	44063	A	CD	10/29/2015	164.5	N	519	85375.5
A18154	276	45038	A	CD	12/19/2016	35.9	N	102	3661.8
A18154	407	02168	A	CD	03/22/2017	29.9	N	9	269.1
A18154	413	02170	A	CD	02/10/2017	29.5	N	49	1445.5
A18154	424	27039	A	CD	01/12/2017	12.5	N	78	975.0
A18154	445	01323	A	CD	01/19/2017	10.1	N	71	717.1
A18154	445	27042	A	CD	03/01/2017	65.0	N	30	1950.0
A18154	445	27063	A	CD	01/19/2017	73.4	N	71	5211.4
A18154	504	04151	A	CD	03/21/2017	35.0	N	10	350.0
A18154	667	24226	A	CD	11/25/2016	17.0	N	126	2142.0
A18154	966	02254	A	CD	11/07/2016	27.1	N	144	3902.4
A18154	967	02023	A	CD	07/25/2016	33.1	N	249	8241.9
A18154	967	02165	A	CD	03/26/2017	114.3	N	5	571.5
A18154	967	02301	A	CD	08/17/2016	22.8	N	226	5152.8
A18154	994	23025	A	CD	03/21/2017	25.7	N	10	257.0
A56771	112	01196	A	CD	07/24/2015	38.5	N	616	23716.0
A56771	954	05120	A	CD	09/01/2015	106.6	N	577	61508.2
A56771	973	04098	A	CD	10/29/2015	16.4	N	519	8511.6
A60049	270	45047	A	DC	08/10/2016	285.9	N	233	66614.7
A60049	737	01219	B	DC	09/24/2014	77.2	N	919	70946.8
A60049	955	05121	A	DC	09/01/2015	174.4	N	577	100628.8
A60049	963	01212	A	DC	06/24/2015	34.6	N	646	22351.6
A60049	963	01213	A	DC	07/07/2015	43.3	N	633	27408.9
A60049	980	01210	A	DC	08/09/2015	81.5	N	600	48900.0
A60049	998	02148	A	DC	03/24/2017	27.9	N	7	195.3
A60972	964	01211	A	CD	07/15/2015	40.8	N	625	25500.0
PAG12	APR-91509	01118	A	DC	03/08/2015	71.3	N	754	53760.2
PAG20	APR-93942	06030	A	DC	04/06/2016	29.1	N	359	10446.9
PAG20	APR-94109	S24059	A	DC	11/08/2016	12.2	N	143	1744.6
					SU NAR Total	1,735.5			642456.6

					Weighted Regen Days	370.1853			
					Weighted Regen Days	1.014206			

Appendix 6: Compliance

Table 63: Contraventions Reported to Agencies - April 1, 2016 - March 31, 2017

Incident ID	Occurrence Date	Tenure	Location	Date Reported	Agency	Status	Issue Description
ITS-FSJ-2016-1812	October 4, 2016	NA	Graham Recreation Site	October 4, 2016	MFLNRO	Closed	**Brushing Crew Campted in Recreation Site** Brushing crews stayed in their travel trailers at the Graham Recreation Site. Regulations identify that "a recreation site, recreation trail or interpretive forest site" cannot be used for "a business or industrial activity". Crew found by Ministry personnel and promptly moved when asked to vacate. To date of preparation of this report MFLNRORD has not taken any enforcement or punitive action. No penalties were issued by MFLNRORD.
ITS-FSJ-2016-1700	July 21, 2016	Blocks: 02049 and S02037	Fort St. John TSA	August 12, 2015	NA	Closed	**Herbicide application outside planned area** Herbicide overspray incident from, 2015 that was discovered during a brushing program review in 2016. Minor off target herbicide applications into non treatment zones inside of the cutblock boundary. The off target herbicide application totaled less than 0.1 ha impacted. The MOE was not notified because the OTA occurred within the authorized area.

ITS-FSJ-2016-1722	August 16, 2016	A60049 45-054-01 Road	Block 45047	August 16, 2016	MFLNRORD	Closed	**Harvest Outside of Authorized Area** When the pre-work was done for block 45047 the harvesting supervisor was not aware that the 87m access road to block 45054 was not under permit. The logging contractor on-site supervisor and the buncher operator when reviewing the map in the field, were concerned about the road in question, so they asked the contractor Operations Manager whether they were able to cut and construct this road. The Canfor harvesting superintendent was contacted and identified that the first section of road was out of block and the permit had not yet been approved. The logging contractor operations manager contacted the on-site supervisor on Thursday, August 11th and informed him that this road could not be constructed. On Friday August 12th, the supervisor spoke with one of the two buncherman that were on this block and identified that the road could not be cut. The other buncherman, who was not present that day because he had a doctor's appointment, was not informed of the development. The site supervisor assumed that as both buncherman drive to work together, and discuss where they will work on any given day, this information would be discussed. On Tuesday, August 16th, the buncherman that was absent during the discussion of the decison to not harvest and construct the road to block 45054, bunched the small strip that was ribboned outside of block 45047. The site supervisor discovered the unauthorized harvesting later that day and informed Canfor, who then notified the MFLNRORD. An area of 0.04 ha was harvested without proper authorization. The MFLNRORD issued a warning ticket. No other enforcement action has been taken by the MFLNRORD to date of preparation of this report.

ITS-TSL-2016-0191	April 18, 2016	A92973	Km 60 Mile 73 road	April 18, 2016	C&E	Closed	**Burning Escape** Licensee lit debris piles thought to be extinguished reignited, when a tremendous wind event with prolonged wind gusts of greater than 80km/hr and temperatures near 28oC, and started burning across the block and into adjacent timber.
ITS-TSL-2016-0192	April 18, 2016	A93369	Km 2 Mile 73 road	April 18, 2016	C&E	Closed	**Burning Escape** Licensee lit debris piles thought to be extinguished. reignited, when a tremendous wind event with prolonged wind gusts of greater than 80km/hr and temperatures near 28oC, and started burning across the block and into adjacent timber.
ITS-TSL-2016-0238	October 25, 2016	A93058	Km 17 Gundy road	October 26, 2016	C&E	Closed	**Harvest Outside of Authorized Area** Feller buncher operator was cutting trees along a boundary when he suddenly realized that his GPS unit indicated that he was outside the block boundary. Immediately stopped and informed supervisor who self-reported trespass to BCTS.
ITS-TSL-2016-0250	October 15, 2016	A92238	North of Triad road	June 12, 2017	C&E	Open	**Machinery Crossed Stream** Donaren site preparation contractor completed a late fall season contract for BCTS. A final inspection by BCTS was not completed as heavy snow and winter hit. A BCTS staff member was on the block to check other obligations in the late spring of 2017. He identified that it appeared that the site preparation equipment had crossed the S4 stream on the block.

Appendix 7: Contact Information

For More Information regarding this report please contact:

BCTS
Stephanie Smith, Operations Manager, RPF

Mailing Address:
9000 -17th Street
Dawson Creek, BC
V1G 4A4

Telephone:250 784-1209

Email: Stephanie.Smith@gov.bc.ca

Canfor
Darrell Regimbald, RPF

Mailing Address:
RR#1, Site 13, Compartment 2
Fort St John, BC
V1J 4M6

Telephone: 250 787-3651

Email: Darrell.regimbald@canfor.com

A copy of this report can be found at the Fort St John Pilot Project website:

http://www.fsjpilotproject.com/