

Fort St. John Pilot Project

Sustainable Forest Management Plan 2021/2022 SFI and Regulatory Annual Report

For the period April 1st, 2021, to March 31st, 2022

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



Final Report

October 28, 2022

Fort St. John Pilot Project

Sustainable Forest Management Plan
2021/2022 SFI and Regulatory Annual Report

For the period April 1st, 2021, to March 31st, 2022

BC Timber Sales (BCTS)
Canadian Forest Products Ltd. (CANFOR)
Cameron River Logistics Ltd. (CRL)
Louisiana-Pacific Canada Ltd. (LP)
Mackenzie Pulp mill Corp. (MPMC)
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EXECUTIVE SUMMARY

Highlights of 2021-2022

Eighteen years operating with a Sustainable Forest Management Plan (SFMP) - The 2021-2022 reporting year was the fourth year of operation under SFMP #3, which was approved on May 4th, 2018. The Plan was amended, effective April 1, 2020. Three new indicators were added, and nine existing ones were revised.

- The structure of this Annual Report is inspired by SFMP #3, and the Plan is referred to throughout this document. The indicators listed in Section 3 of the Annual Report correspond with the indicators listed in section 6 of the SFMP. For example: section 3.25 in this document relates to the indicator described in section 6.25 of the Plan. The SFMP document, amendments to the plan, and this report can be found at: <https://www.fsjpilotproject.com/project.html>. A revised document is in development, that will include all the amended text and updated references to the SFI standard.
- On June 29, 2021, the BC Supreme court released its decision in Yahey vs British Columbia and found that the Treaty 8 rights of the Blueberry River First Nation to hunt, fish, and trap had been infringed based on the cumulative effects of development. The court ordered that the Province B.C. may not continue to authorize activities that breach the promises included in the Treaty, or that unjustifiably infringe BRFN's exercise of its treaty rights. The court directed the parties to negotiate for the purpose of establishing new mechanisms to assess and manage the cumulative impact of industrial development on BRFN's treaty rights. The ruling caused a great deal of uncertainty for the Participants' plans and operations, that has continued through the fall of 2022. With some exceptions (grandfathered blocks), harvesting operations have been taking place in areas outside the Notice of Civil Claim area. The Participants initiated a major FOS Amendment (411) to propose blocks and roads in many areas outside the Civil Claim area.
- North American transportation and supply-chain logistics continued to present challenges to the manufacturing facilities in the Pilot Project area. In early 2022 Canfor Pulp announced the temporary curtailment of the Taylor Pulp mill. The Canfor lumber mill took some unscheduled down time in 2022 to reduce the high level of finished product inventory sitting in the yard caused by lack of available rail capacity.
- In 2021, LP Peace Valley OSB focused on achieving full staffing and by November was able to reach full production levels. This was the first time in mill history that these levels of production were attained. Unfortunately, the beginning of 2022 provided challenges with shipping that resulted in unscheduled down time to reduce product levels in the yard
- **Indicator performance** - The participants achieved consistent positive performance regarding overall conformance to indicator targets with 58 of 66 (88%) indicator targets achieved in the 2021-22 year.
- **Legal indicator performance** - For the period of April 1st, 2021, to March 31st, 2022, the participants achieved the performance indicator objectives on 26 of the 30 (87%) different regulatory Landscape Level Strategy indicators (Section 42 of the *Fort St. John Pilot Project Regulation (FSJPPR)* or affecting Part 3 Division 5 of the *FSJPPR*).

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 78% (7 of 9) of the *Fort St. John Pilot Project Regulation (FSJPPR)* Section 42 performance indicators, and 100% (3 of 3) of non-regulatory SFMP 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 linked to the Access Management Strategy.

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 100% (2 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 achieved on 7 of 7 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 83% (5 of 6) 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 75% (3 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. 100% (1 of 1) legal indicators were met.



Summary the Indicators or their Status

The following tables summarize non-conformances to indicators in the 2021-22 reporting year, and revisions made to the SFMP for the reporting year (note that indicators in **red text** refer to those related to regulatory requirements under the *FSJPPR*).

Indicator		Non-conformance
Indicator 2	Seral Stage	Spatially identification of late-seral OFMAs not completed by March 31, 2022
Indicator 5	Snags / Cavity Sites	Not all Participants met retention target
Indicator 8	Shrubs	Target not achieved in Kahntah LU, and will not be for near future
Indicator 30	Establishment Delay	Did not meet establishment delay on some deciduous area
Indicator 48	AAC Partition – Conifer planning	Amount of planned spruce volume in the core area exceeds target
Indicator 48a	AAC Partition – Conifer harvest performance	Amount of spruce volume harvested in the core area exceeds target
Indicator 51	Maintenance of Wildlife and Fisheries Habitat values	Three indicators that are used as surrogates to assess conformance with #51 were not met (2, 5, 8)
Indicator 52	Percentage of known traditional site-specific aboriginal values and uses identified that are addressed in operational plans	Since less than 100% of known traditional site-specific values and uses identified were addressed in operational plans, this indicator was not met for the reporting period.

The draft of this report was provided to the Fort St John Pilot Project Public Advisory Group for review on October 6th, 2022, and discussed at the meeting of the PAG and Participants on October 20, 2022.



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1. INTRODUCTION AND OVERVIEW

This annual report summarizes activities completed between April 1st, 2021, and March 31st, 2022, on tenures managed by participants in the Fort St. John Pilot Project. Activities occurred on the following tenures: 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 Mackenzie Pulp Mill Corp.; FL A60050, 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 Dunneza Ventures and Canadian Forest Products Ltd.

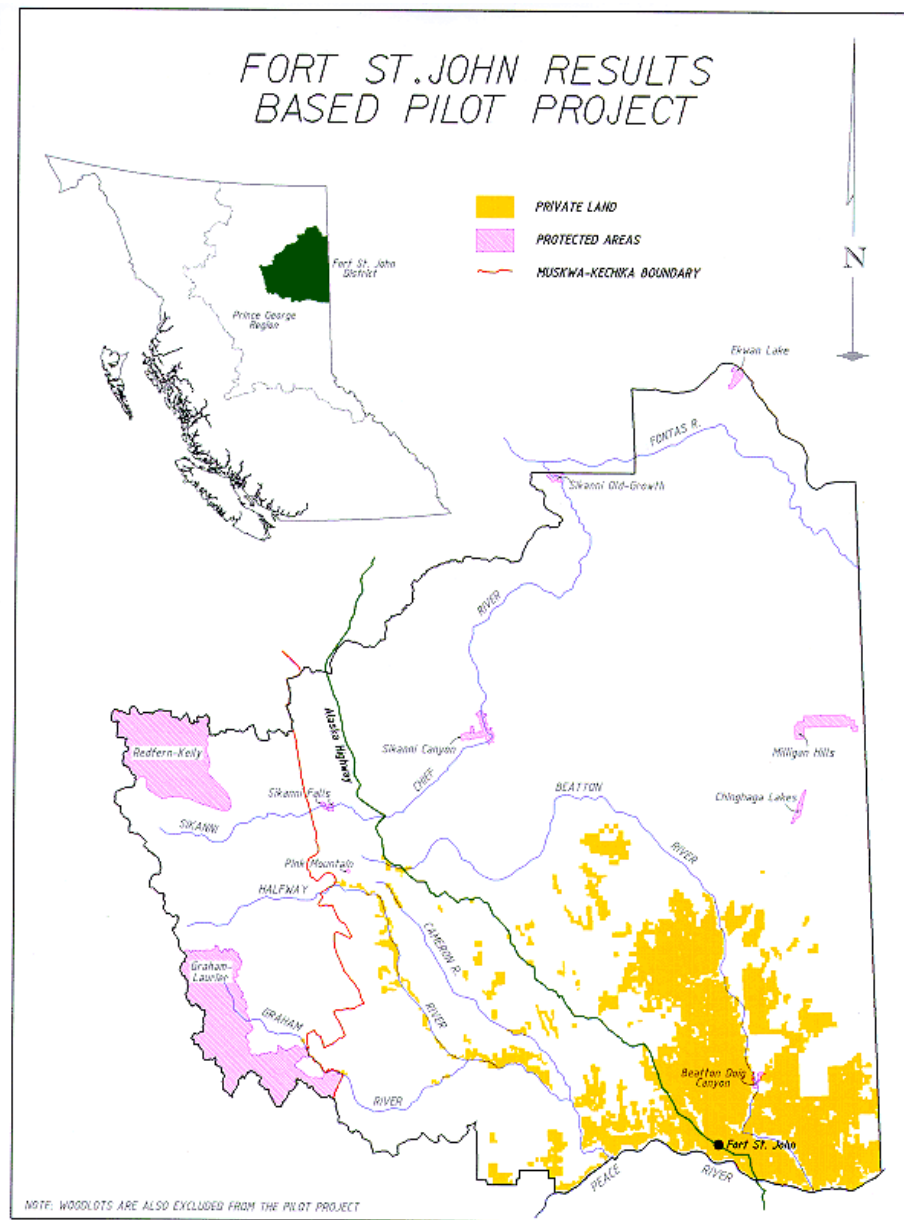


Figure 1: Map of the FSJ Pilot Project area



The Pilot Participants achieved registration under the Canadian Standards Association CAN/CSA Z809-02 Sustainable Forest Management System for the Fort St. John TSA (Timber Supply Area) (see Figure 1: Map of the FSJ Pilot Project area) forestry operations on October 17th, 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 and SFMP #3. In 2019 the participants started the process of moving towards a new certification standard – the Sustainable Forestry Initiative (SFI). Two participants were registered under SFI on May 1st, 2019 (BCTS) and June 7th, 2019 (Canfor). LP is in the process of transitioning to SFI as well. This Annual Report is a summary report on the status of each indicator. The report includes revisions to the indicators, targets, or the way they are measured, as noted in SFMP #3, and amendments 1 and 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 SFI 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 SFMP #3 and its amendments.

In addition to SFI requirements, this report includes information required by Section 51 of the *FSJPPR*. This information is expressed in sections of the annual report which demonstrate the participants' access management, harvesting, and reforestation activities (Sections 4 to 7), as well as variances (Section 8), compliances (Section 9), 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, when a new FOS or significant amendment is developed, to ensure consistency with the SFMP.

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

Analyses 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 Defined Forest Area (DFA). The results presented here will account for the areas amended into the FOS, in response to wildfires, insect attack, and the harvest needs of the Participants.



Monitoring procedures as outlined in the SFMP are followed to the best of the participants' abilities. Some variation and refinement may occur year over year, and reporting systems can change, leading the Participants to adapt with new information and processes.

Another potential source of variation may result from the private land, lease, and Woodlot spatial data used. To complete the analyses for Annual Reports, the participants use the most current available data. Changes in these data may result in 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 SFMP #3 was developed and those completed to reflect the current forest condition for this 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 Project 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 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, effective December 1, 2001.

The *FSJPPR* requires the establishment of a strategic plan for the pilot project area, known as a Sustainable Forest Management Plan (SFMP). 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 1st, 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 30th, 2016 and revised on April 18th, 2017. SFMP #3 was given conditional approval on May 4th, 2018, by the Ministry of Forests, Lands, Natural resource Operations 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. Any linkages expressed in this section refer to the SFMP #3 which can be found at https://www.fsipilotproject.com/project.html .	

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, 2020 (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 2021-2022

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. ¹
<p>SFM Objective: Maintain the diversity and pattern of communities and ecosystems within a natural range.</p> <p>Ecosystem functions capable of supporting naturally occurring species exist within the range of natural variability.</p>	
<p>Linkage to FSJPPR: For the purposes of Section 42 of the <i>FSJPPR</i> 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.</p>	

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 circumstances 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 derived from Forest Operations Schedule #3 (Amendment # 411) and presents the baseline status as of 2022 along with the SFMP targets by Forest Type and Landscape Unit (LU). 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 (e.g., significant addition of proposed block area) or significant natural disturbance occurs across multiple Landscape Units.

¹ Refers to Table 9 in the *Fort St. John Pilot Project Sustainable Forest Management Plan #3*



Table 1: 2022 Status for Forest Types

Landscape Unit	Forest Type	2022 Status		Min. Target Area %
		Area (ha)	% of LU	
Blueberry	Coniferous Leading	148,172	41%	33%
	Coniferous Mixed	42,418	12%	8%
	Deciduous Leading	121,564	33%	28%
	Deciduous Mixed	51,283	14%	11%
Blueberry Total		363,437		
Crying Girl	Coniferous Leading	54,748	93%	76%
	Coniferous Mixed	1,790	3%	1%
	Deciduous Leading	896	2%	1%
	Deciduous Mixed	1,139	2%	1%
Crying Girl Total		58,573		
Graham	Coniferous Leading	215,418	95%	77%
	Coniferous Mixed	5,214	2%	1%
	Deciduous Leading	3,815	2%	1%
	Deciduous Mixed	3,413	1%	1%
Graham Total		227,860		
Halfway	Coniferous Leading	90,537	73%	62%
	Coniferous Mixed	8,587	7%	3%
	Deciduous Leading	15,482	12%	9%
	Deciduous Mixed	9,385	8%	4%
Halfway Total		123,991		
Kahntah	Coniferous Leading	92,222	39%	29%
	Coniferous Mixed	22,888	10%	10%
	Deciduous Leading	85,234	36%	30%
	Deciduous Mixed	33,360	14%	10%
Kahntah Total		233,703		
Kobes	Coniferous Leading	37,816	45%	35%
	Coniferous Mixed	9,592	11%	8%
	Deciduous Leading	27,794	33%	28%
	Deciduous Mixed	9,366	11%	9%
Kobes Total		84,567		
Lower Beatton	Coniferous Leading	13,778	14%	11%
	Coniferous Mixed	6,906	7%	5%
	Deciduous Leading	71,751	71%	56%
	Deciduous Mixed	8,671	9%	7%
Lower Beatton Total		101,106		
Milligan	Coniferous Leading	85,922	59%	45%
	Coniferous Mixed	9,624	7%	6%
	Deciduous Leading	39,354	27%	24%
	Deciduous Mixed	9,510	7%	5%
Milligan Total		144,410		
Sikanni	Coniferous Leading	122,250	94%	75%
	Coniferous Mixed	2,695	2%	1%
	Deciduous Leading	2,689	2%	1%
	Deciduous Mixed	2,000	2%	1%
Sikanni Total		129,663		
Tommy Lakes	Coniferous Leading	141,669	50%	45%
	Coniferous Mixed	29,312	10%	8%
	Deciduous Leading	72,355	25%	18%
	Deciduous Mixed	42,819	15%	9%
Tommy Lakes Total		286,155		
Trutch	Coniferous Leading	113,106	56%	48%
	Coniferous Mixed	18,253	9%	7%
	Deciduous Leading	46,844	23%	17%
	Deciduous Mixed	24,927	12%	9%
Trutch Total		203,130		
Grand Total		1,956,564		



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 Vegetation Resources Inventory (VRI) information.

Change Monitoring Inventory (CMI)

Long term monitoring of species composition change within managed stands will occur throughout the DFA via Change Monitoring Inventory (CMI) plot establishment and re-measurement. Starting in 2003, the Participants have contracted the establishment of CMI plots in the DFA 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. The data from these plots can be used to detect long-term changes in managed stands' species composition after subsequent remeasurements are conducted over an extended period. CMI work is dependent on contractor availability and budgets. Annual CMI activities may include establishment of new plots as well as re-measurement of plots established equal to or greater than 10 years ago.

Target Achieved	
✓ Yes	No

REVISIONS

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



3.2 SERAL STAGE

Indicator Statement	Target Statement
<p>The minimum proportion (%) of late seral stage forest retention by NDU.</p>	<p>A) All Periods: The minimum proportion (%) of late seral stage forest retention by NDU as identified in Table 11² will be met.</p> <p>B) By the close of Period 1 (April 1, 2019 –March 31, 2020): a minimum of 30% of the late seral stage forest retention target will be achieved by contribution from spatially identified OFMAs, in all NDUs.</p> <p>By the close of Period 2 (April 1, 2020 –March 31, 2021): a minimum of 60% of the late seral stage forest retention target will be achieved by contribution from spatially identified OFMAs, in all NDUs.</p> <p>By the close of Period 3 (April 1, 2021 –March 31, 2022): A minimum of 100% of the late seral stage forest retention target will be achieved by contribution from spatially identified OFMAs, in all NDUs.</p>
<p>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.</p>	
<p>Linkage to FSJPPR: For the purposes of Section 42 of the <i>FSJPPR</i> 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.</p>	

Acceptable Variance:

A 1% variance below the target is permissible provided projections indicate the target can be met within 20 years (e.g., 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 forests will be present across the DFA through time. It sets limits on harvest planning in later seral stage stands, by Natural Disturbance Unit (NDU)³. A landscape-level analysis, based on NDUs, was completed 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, 3 and 4) are derived from the FOS # 3 Amendment # 411 and present the results of the most recent seral stage analyses. The ‘current condition’ values account for the harvesting activities that started prior to December 31, 2021. For further detail

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

³ The limits pertain to Landscape Units in the Fort St. John Pilot Project Sustainable Forest Management Plan #1



regarding seral stages target development and application, please refer to the *Fort St. John Pilot Project Sustainable Forest Management Plan #3 (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 (e.g., significant addition of proposed block area) or significant natural disturbance occurs across multiple Landscape Units.



Table 2: Boreal Plains Conifer 2022 and 2036 Seral Stage and Target

LU_NAME	< 40 years				41 - 100 years				101 - 140 years				> 140 years						Total Area
	2022		2036		2022		2036		2022		2036		2022		2036		Surplus (ha)	Surplus (ha)	
	area (ha)	%	area (ha)	%	area (ha)	%	area (ha)	%	area (ha)	%	area (ha)	%	area (ha)	%	area (ha)	%			
Blueberry	61,919	17%	40,795	11%	142,081	39%	138,657	38%	85,390	23%	91,620	25%	60,469	17%		78,492	22%		349,859
Crying Girl	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	10	100%		10	100%		10
Halfway	13,169	9%	15,019	10%	25,553	17%	22,292	15%	40,800	27%	37,577	25%	66,853	45%		71,317	48%		146,374
Kahntah	4,670	1%	9,502	2%	336,560	57%	247,840	42%	182,069	31%	216,007	37%	60,646	10%		110,414	19%		583,945
Kobes	13,130	15%	10,603	12%	10,176	12%	11,805	14%	34,910	41%	27,870	33%	24,852	29%		32,697	38%		83,067
Lower Beaton	3,543	7%	2,276	5%	17,274	36%	15,708	33%	20,261	42%	17,272	36%	5,583	12%		11,385	24%		46,661
Milligan	6,363	2%	825	0.2%	245,205	64%	233,504	61%	51,592	13%	50,307	13%	74,344	19%		92,811	24%		377,504
Tommy Lakes	29,363	5%	35,967	6%	186,453	33%	111,059	20%	216,685	38%	234,752	41%	121,613	21%		171,954	30%		554,115
Trutch	2,747	1%	15,194	4%	117,735	34%	61,885	18%	122,328	35%	121,158	35%	101,112	29%		145,431	42%		343,992
Grand Total	134,904	5%	130,180	5%	1,081,036	43%	842,749	33%	754,036	30%	796,563	31%	515,481	20%	117,808	714,511	29%	326,222	2,485,458
														Target:	16%	Target:	16%	Total:	2,485,458

2022 - uses FOS blocks with harvest start date =<Dec 31, 2021
 2036 - uses FOS blocks with harvest start date >Dec 31, 2021

Table 2 identifies the current and expected 2036 conifer seral condition upon the completion of all harvest activities proposed by FOS #3 for the Boreal Plains Natural Disturbance Unit (NDU). Upon completion of all conifer harvest activities proposed in FOS #3 (including amendment #411) the conifer seral targets are achieved for the Boreal Plains NDU, and the analysis indicates a surplus of 326,222 ha of old forest (amount of old forest above the target).



Table 3: Boreal Plains Deciduous 2022 and 2036 Seral Stage and Target

LU Name	<40 Years				41-100 Years				101-140 Years				>140 Years					Total Area	
	2022		2036		2022		2036		2022		2036		2025			2036			
	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Surplus ha	Area (ha)	%		Surplus ha
Blueberry	33,707	16%	33,757	16%	96,766	46%	80,936	38%	52,895	25%	60,591	29%	20,361	10%		28,152	13%		203,729
Crying Girl		0%		0%	5	98%	3	62%	0	2%	2	38%	0	0%		0	0%		5
Halfway	1,812	7%	3,557	13%	8,969	34%	6,479	24%	10,123	38%	9,691	37%	5,043	19%		6,189	23%		25,947
Kahntah	514	0%	7,575	6%	87,208	69%	71,639	57%	30,519	24%	35,267	28%	6,924	5%		10,642	8%		125,165
Kobes	8,239	18%	10,786	23%	7,765	17%	5,196	11%	22,318	48%	18,755	40%	6,776	15%		10,239	22%		45,098
Lower Beatton	7,932	8%	5,185	5%	59,785	63%	45,925	48%	21,445	22%	32,509	34%	3,034	3%		8,506	9%		92,196
Milligan	1,452	3%	276	1%	44,299	82%	44,390	82%	4,696	9%	3,942	7%	1,882	3%		3,710	7%		52,330
Tommy Lakes	7,000	6%	17,409	14%	51,304	41%	33,640	27%	45,574	37%	48,997	39%	17,947	14%		21,617	17%		121,825
Trutch	598	1%	6,284	8%	38,592	51%	22,865	30%	23,164	31%	30,777	41%	12,260	16%		14,663	19%		74,614
Grand Total	61,255	8%	84,829	11%	394,692	52%	311,074	41%	210,733	28%	240,531	32%	74,228	10%	166,416	103,717	14%	225,703	740,908
															Target	16%	Target	16%	

2022 - uses FOS blocks with harvest start date =<Dec 31, 2021

2036 - uses FOS blocks with harvest start date >Dec 31, 2021

Table 3 identifies the current and expected 2036 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 (including amendment #411) the deciduous seral targets are achieved for the Boreal Plains NDU, and the analysis indicates a surplus of 225,703 ha of old forest (amount of old forest above the target).



Table 4: Boreal Foothills Valley and Mtn, Northern Boreal Mountains, Omineca Mtns and Valley: 2022 and 2036 Seral Stage and Targets

NDU	LU Name	<40 Years				41-100 Years				101-140 Years				>140 Years				Total Area	Target
		2022		2036		2022		2036		2022		2036		2022		2036			
		Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%		
Boreal Foothills - Mountain	Crying Girl	2,015		4,851		3,406		2,006		15,703		11,287		21,687		24,648		42,810	
	Graham	1,907		122		7,949		5,555		32,127		28,351		38,934		46,888		80,917	
	Halfway	14		4		2,035		1,266		3,162		2,753		7,972		9,158		13,182	
	Kobes	0		0		0		0		8		0		7		15		15	
	Grand Total	3,935		4,977		13,389		8,827		51,001		42,391		68,599		80,709		136,924	33%
Boreal Foothills - Valley	Crying Girl	1,789		4,344		2,494		2,326		8,838		6,002		8,321		8,741		21,442	
	Graham	158		94		4,955		2,477		19,395		17,346		27,950		32,533		52,458	
	Halfway	7		0		206		70		326		315		1,026		1,176		1,564	
	Kobes	0		0		0		0		83		1		93		175		176	
	Grand Total	1,954		4,439		7,654		4,874		28,642		23,664		37,390		42,625		75,640	23%
Northern Boreal Mountains	Graham	50		0		3,351		3,007		6,872		5,791		17,119		18,593		27,391	
	Sikanni	349		0		13,958		10,416		54,801		50,481		103,304		111,513		172,411	
	Trutch	0		0		0		0		0		0		0		0		0	
	Grand Total	399		0		17,308		13,423		61,673		56,272		120,422		130,106		199,802	37%
Omineca Mountains	Crying Girl	0		0		33		30		99		75		46		72		178	
	Graham	286		3		4,605		2,134		19,344		16,158		71,537		77,477		95,773	
	Grand Total	286		3		4,638		2,164		19,443		16,234		71,583		77,550		95,950	41%
Omineca Valley	Crying Girl	0		0		0		0		4		1		3		6		7	
	Graham	134		11		922		558		3,636		2,869		3,823		5,077		8,515	
	Grand Total	134		11		922		558		3,640		2,870		3,826		5,083		8,522	16%



Table 4 identifies the current and expected 2036 seral condition upon the completion of all harvest activities proposed in the FOS, including volume added by amendment # 411, for the following NDUs: Boreal Foothills Mountain and Valley, Omineca Mountains and Valley, 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.

The seral analysis assumes that all blocks in FOS # 3 will be harvested prior to the end of 2036. The seral analysis indicates that all NDU old forest targets are met in 2022 and 2036. Therefore, performance to date and projected performance under FOS # 3 is consistent with this indicator.

Regarding part B of the target statement: as of last year’s Annual Report the participants had designated OFMA polygons throughout the DFA and completed an analysis on the spatially identified OFMA in all NDUs. At that point, only the Boreal Plains NDU, had insufficient area designated as OFMA to meet the target. The Boreal Plains NDU had 90% of the OFMA area needed to achieve the target identified. The participants had a plan to close this gap by the March 31st, 2022, target date. However, the uncertainty caused by the *Yahey vs. BC* decision, necessitated the initiation of FOS amendment #411, which included several amendments to previously designated OFMA. The enormity of the Notice of Civil Claim Area relative to the DFA, and the uncertain future for forest management within the area, prompted the participants to propose harvesting in a number of areas outside the Area. Several of the areas have tough access conditions (Boat Creek, Graham River, Minaker River), and as such several changes were required to OFMA polygons to facilitate road design and/or efficient and appropriate harvesting designs. FOS Amendment 411 included deletions to OFMA as well as newly proposed OFMA. The net change to OFMA was -56,935 ha. The participants are committed to meeting part B of this indicator, however, there continues to be a high level of uncertainty regarding the future area available for forest management in the TSA, and potential ‘set aside’ area, and as such the OFMA polygons are expected to be revised in the future prior to the formal process of designation as OGMA (Old Growth Management Areas). The ongoing negotiations between BC and the Blueberry River First Nation, the BC government’s implementation of the recommendations contained in the Old Growth Strategic Review report are two processes whose outcomes have the potential to require further refinement of OFMA. The participants need to await the outcomes of the above processes prior to continuing work on OFMA.

Since part B of this indicator was not met in the time specified in the target, the participants are not in conformance with this indicator. Despite the unforeseen delay caused by events outside the participants’ control, it should be noted that there are currently large surpluses of ‘old’ forest for both coniferous and deciduous groups in the Boreal Plains NDU, and these surpluses are forecast to increase by the end of the FOS.

Target Achieved	
Yes	❖ No

REVISIONS



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



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 ⁴ .
<p>SFM Objective: Maintain the diversity and pattern of communities and ecosystems within a natural range.</p> <p>Ecosystem functions capable of supporting naturally occurring species that exist within the range of natural variability.</p> <p>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.</p>	

Acceptable Variances:

Natural disturbance events that shift the patch size distribution to such a level that it cannot be accommodated in a short time frame (within 10 years).

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 used to monitor the patch size distribution for 'early' (<40 yrs.) forest within the Fort St. John Pilot Project area, on a NDU basis⁵. The targets are presented in Table 5. Based on last year's projection through 2025, the Participants will remain in conformance during the term of the SFMP. This will be reassessed and annually to assess conformance to targets at the end of the SFMP#3 term.

Table 5: Natural Disturbance Unit Early Patch Distribution Targets

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

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

⁵ The limits pertain to Landscape Units in the Fort St. John Pilot Project Sustainable Forest Management Plan #1



A landscape-level analysis was conducted when FOS Amendment #411 was developed. Stand ages were projected through 2036, and all the newly proposed FOS blocks were assumed to be harvested by that time. The results of the analyses are presented in Table 6.

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

2022 Early (<40 years) Patch Size Distribution							
Natural Disturbance Unit (NDU)	Small (<50ha)		Med. (50-100ha)		Large (>100ha)		Totals
Boreal Plains - Upland	17,293	8%	18,615	8%	192,070	84%	227,978
Boreal Foothills - Valley	229	10%	227	10%	1,929	80%	2,385
Boreal Foothills - Mountain	460	14%	470	14%	2371	72%	3,301
Northern Boreal Mountains	88	31%	0	0%	195	69%	283
Omineca - Mountains	43	9%	0	0%	427	91%	470
Omineca - Valley	29	14%	0	0%	177	86%	206
Total DFA (All NDUs)	181,142		19,311		197,169		234,622
2036 Current Early (<40 years) Patch Size Distribution							
Natural Disturbance Unit (NDU)	Small (<50ha)		Med. (50-100ha)		Large (>100ha)		Totals
Boreal Plains - Upland	23,751	10%	24,467	10%	187,607	80%	235,825
Boreal Foothills - Valley	163	4%	208	5%	4,001	92%	4,371
Boreal Foothills - Mountain	496	10%	573	11%	4,078	79%	5,147
Northern Boreal Mountains	0	0%	0	0%	0	0%	0
Omineca - Mountains	3.3	100%	0	0%	0	0%	3.3
Omineca - Valley	13	100%	0	0%	0	0%	13
Total DFA (All NDUs)	24,426		25,248		195,685		240,212
Yellow = Below Target Range		Red = Above Target			Blue = No Harvesting Planned		



Table 6 identifies the current patch size condition as well as the expected patch size condition in 2036. This analysis assumes that all blocks proposed in FOS # 3 will be harvested by December 31, 2036, and that no new natural disturbance will create new young patch areas.

The 2022 analysis indicate that 11 of 18 (61%) NDU patch size targets were met, and the 2036 projection indicates that 6 of 18 (33%) NDU patch size targets were met.

The following is excerpted from the analysis summary presented to government with the FOS amendment #411 package: “While most of the area where the Participants plan and operate (Boreal Plains NDU) is projected to remain well within targets, several size-class targets for the smaller portions of NDUs in the west are currently projected to be offside. The Participants have no forest management activities planned in three of these NDUs (Northern Boreal Mountains, Omineca Mountains, and Omineca Valley) so have no ability to influence Patch size distribution. There is a significant amount of new proposed harvesting in the Boreal Foothills Mountain and Valley NDUs (Graham Operating area), that follows the principle of clustered harvesting set out in the Graham River IRMP. The impetus for this amendment necessitated a large amount of harvesting be proposed in the Graham. Based on past and current field work in the Graham, it is known that there are significant net-downs to proposed area vs. final harvest area, due to terrain and timber challenges, and it is expected that several blocks will be dropped outright, and others modified significantly. The relative urgency to get the draft amendment maps out and the large amount of area involved meant that very little area could be field verified beforehand. The Participants continue to monitor this indicator closely via the Annual Reporting process and use results to feedback into future layout programs, to ensure that the trend is for Future State patch size targets in the Boreal Foothills Mountain and Valley NDUs to be met. It is expected that updates to the VRI to reflect forest fires occurring since the last update may have significant influence on this indicator.”

Target Achieved	
✓ Yes	No

REVISIONS

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



3.4 SOIL DISTURBANCE

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 confirmed detrimental soil disturbance reported by all Licencee participants during the 2021-2022 reporting period. There was one complaint brought forward to the MFLNRORD in the 2020-2021 reporting year, that alleged soil disturbance on one of the Licencee Participants’ blocks exceeded the maximum allowable limit. An official investigation process has been completed and the final conclusion was that the participant did not contravene section 42(3) within FSJPPR, and no administrative penalty was levied.

BCTS had no incidents of detrimental soil disturbance reported during the 2021-2022 reporting period.

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

Target Achieved	
✓ Yes	No

REVISIONS

There are no proposed revisions to the indicator statement or target 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.
<p>SFM Objective: Suitable habitat elements for indicator species.</p> <p>Maintain a natural range of variability in ecosystem function, composition, and structure which allows ecosystems to recover from disturbance and stress.</p>	
<p>Linkage to FSJPPR: N/A</p>	

Acceptable Variance:

Prescribed areas within blocks on which the SLPs were completed prior to April 1st, 2010, will have a target of 6 snags and/or live trees greater than 23.0 cm dbh (diameter at breast height), consistent with the SFMP in effect at that time.

CURRENT STATUS AND COMMENTS

‘Stubs’ (*in-situ* remaining 3-5m base of trees cut off during logging operations) have made up the majority of vertical habitat elements tracked for this indicator in past reports. They were used as a surrogate for snags and live trees and pose a much lower hazard to ground workers and aerial spray operations. Stubs are still created, often along drainages and boundaries, where they can serve a role of delineating important features and not posing any overhead hazard. While they do provide residual habitat for nesting, foraging, and perching, there has been a strong trend towards more full-tree retention. This is due to the relatively higher value full trees represent for both migratory and non-migratory birds and other animals. This is supported by research, anecdotal observations, as well as addressing concerns raised by First Nations.

CANFOR:

Data for the Canfor-managed 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 Canfor was 1,469 ha, with 8,815 snags and/or live tree residuals retained. The actual retention level of snags or live trees in the blocks averaged 9.7 stems/ha. All blocks surveyed exceeded the landscape level target.

BCTS:

The evolution of the requirement to retain snags and/or live standing trees has most definitely swung to an expectation that live standing trees will be retained. This is a direct result of requests from Indigenous communities and wildlife biologists to retain more standing structure on the site. Levels of retention have fluctuated from the time when the Peace Valley OSB plant was shutdown to the point when it reopened in February 2021. But commitments to the Nations remain and it has been identified that not all the retention targets were achieved on a block-by-block basis during the reporting period. BCTS has made the decision not to report on specific numbers or the prescribed area for at least another annual reporting period.



LP:

Blocks harvested by PVOSB during the reporting year all had retention patches of 30+ trees prescribed in addition to a target of retaining at least 6 stubs or full trees >23 cm dbh. Final inspections confirmed that the retention patches were created, and the stubs / full trees were retained. Observing the +30-tree retention patches, it is estimated that at least 30% of the retained stems are >23 cm dbh.

PVOSB harvested 901.9 hectares during the reporting period and retained as estimated 6,995 trees or stubs >23 cm dbh for an average of 7.8 stems / stubs per hectare. PVOSB met this indicator for the reporting period.

The participants may not have met the target for this indicator (uncertainty with BCTS lack of data), but for the Licencee participant data collected showed that retention was 6.7 stems/ha.

Target Achieved	
Yes	✘ No

REVISIONS

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



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, 2016, and November 30, 2022.	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, 2016, and November 30, 2022.
<p>SFM Objective: Maintain a natural range of variability in ecosystem function, composition and structure which allows ecosystems to recover from disturbance and stress.</p> <p>Suitable habitat elements for indicator species.</p>	
<p>Linkage to FSJPPR: For the purposes of Section 29(2) of the <i>FSJPPR</i> the applicable performance standard is specified by this indicator statement, target statement and acceptable variance.</p> <p>For the purposes of Section 42 of the <i>FSJPPR</i> 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</p>	

Acceptable Variance:

Coarse Woody Debris (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 3 is included to provide an example of one such transect across a recently logged area.

Eight CWD plots were completed in 2021. Post-harvest CWD levels from these samples averaged 67 m³/ha.

The participants are exceeding the minimum target level for this indicator for the average retention targets for the period December 1, 2016, to March 31, 2022, with a calculated average Coarse Woody Debris level of 79 m³/ha. This average is based on data collected from 30 plots.

PVOSB did not complete any CWD plots during the reporting period. However, CWD targets were prescribed in all Site Level Plans for the blocks harvested. LP also made commitments to various First Nations to create additional dispersed CWD piles for wildlife habitat. These were prescribed in the SLPs and ensured that CWD targets established in the SFMP were achieved.



Figure 2: Example of a coarse woody debris measurement transect (Block 01056)

Target Achieved	
✓ Yes	No

REVISIONS

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



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.
<p>SFM Objective: Suitable habitat elements for indicator species.</p> <p>Maintenance of water quality.</p>	
<p>Linkage to FSJPPR: For the purposes of Section 42 of the <i>FSJPPR</i> 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.</p> <p>For the purposes of Section 35(5), Section 28(1) (b)(i)(A) of the <i>FSJPPR</i> may be affected by the application of this Riparian Management Landscape Level Strategy, specifically the acceptable variance for this indicator.</p>	

Acceptable Variance:

A variance to the riparian reserve zone requirements, where approved by the District Manager, will be permitted for site-specific issues as identified in a SLP. A rationale prepared by a Qualified Registered Professional must be completed indicating the reasons, and what measures will be implemented to ensure disturbance to the riparian reserve will be limited to the minimum necessary to address the site-specific issue. The rationale must be documented and retained by the Participant. The situations where this variance will be applied include felling trees that are a safety hazard, constructing a stream crossing, creating a corridor for full suspension yarding and carrying out a forest health sanitation treatment.

CURRENT STATUS AND COMMENTS

A review of Canfor’s compliance issues occurring between April 1, 2021, and March 31, 2022, indicated no non-compliances to riparian reserve zone standards. Canfor achieved the target for this indicator.

A review of BCTS compliance issues from April 1st, 2021, to March 31st, 2022, indicated that BCTS had no non-compliances to riparian reserve zone standards. BCTS achieved the target for this indicator.

PVOSB did not have any non-compliances to riparian reserve zone standards from April 1st, 2021 – March 31st, 2022.

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 the indicator statement or target at this time.

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

The following tables (7, 8) present the 2022 and 2036 conditions of shrub habitat within the DFA. Table 8 displays the shrub condition accounting for harvesting of all blocks presented in the FOS #3 and including the area added with amendment #411. Targets were established for this indicator by reviewing the amount of naturally occurring shrub areas by Landscape Units, 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 2022 Status, FOS Condition and Targets

Current State (2022)					
Landscape Unit	Current 'Shrub' Total (ha)	Current Net LU area (DFA area)	SFMP % Target	% Shrub Current	
Blueberry	104,671	591,803	8	18%	
Crying Girl	6,186	67,171	8	9%	
Graham	58,166	334,909	15	17%	
Halfway	21,711	196,666	6	11%	
Kahntah	82,462	739,169	21	11%	
Kobes	23,084	137,033	8	17%	
Lower Beatton	20,530	167,442	7	12%	
Milligan	76,278	454,681	13	17%	
Sikanni	34,517	231,369	6	15%	
Tommy Lakes	63,240	704,110	8	9%	
Trutch	28,141	432,428	6	7%	
Total:	518,988	4,056,782			



Table 8: Shrub Habitat 2036 Status, FOS Condition and Targets

Future State (2036)					
Landscape Unit	Future 'Shrub' Total (ha)	Current Net LU area (DFA area)	SFMP % Target	% Shrub Future	% Change
Blueberry	90,752	591,803	8	15%	-2.4%
Crying Girl	9,994	67,171	8	15%	5.7%
Graham	58,192	334,909	15	17%	0.0%
Halfway	31,295	196,666	6	16%	4.9%
Kahntah	97,489	739,169	21	13%	2.0%
Kobes	24,475	137,033	8	18%	1.0%
Lower Beatton	17,548	167,442	7	10%	-1.8%
Milligan	75,578	454,681	13	17%	-0.2%
Sikanni	34,517	231,369	6	15%	0.0%
Tommy Lakes	79,069	704,110	8	11%	2.2%
Trutch	47,019	432,428	6	11%	4.4%
Total:	565,930	4,056,782			

The data shows that the participants have met or exceeded the baseline target in all LU's except Kahntah. This Landscape Unit continues to not meet the target or the allowable variance - in the current or future state. Analysis of future state, projecting the Participants' proposed harvest, shows a progression towards the LU target (11% current vs 13% future). A lack of recent disturbance activities by the Participants and oil and gas industries in this area, and forest fires either not occurring or not being reflected in VRI, partly contributes to the target not being met. Previous analysis showed the target was met, in part due to previously harvested areas. However, these managed stands are now over 20 years past the harvest date and do not contribute to the shrub area. The biggest single contributing factor to the current and future state in the Kahntah LU was the massive amount of forest area that 'aged-out' of shrub state between 2017 and 2022 – ~103,000 ha, or 14% of the entire LU area. A short summary of the 'shrub' area in the Kahntah LU is shown in Table 9 below.

Table 9: Kahntah LU 'Shrub' levels 2004-2036

Kahntah through the years	Future 'Shrub' Total	Current Net LU area (DFA area)	SFMP % Target	% Shrub
2004	217,893	749,001	21%	29.1%
2016	221,072	749,199	21%	29.5%
2017	185,981	749,246	21%	25.0%
2022	82,462	739,169	21%	11.0%
2036	97,489	739,169	21%	13.0%

The future analysis of CMI plots, after re-measurement, will permit comparisons of shrub composition and abundance over time.

Current State (2022)



Landscape Unit	Current 'Shrub' Total (ha)	Current Net LU area (DFA area)	SFMP % Target	% Shrub Current	
Blueberry	104,671	591,803	8	18%	
Crying Girl	6,186	67,171	8	9%	
Graham	58,166	334,909	15	17%	
Halfway	21,711	196,666	6	11%	
Kahntah	82,462	739,169	21	11%	
Kobes	23,084	137,033	8	17%	
Lower Beaton	20,530	167,442	7	12%	
Milligan	76,278	454,681	13	17%	
Sikanni	34,517	231,369	6	15%	
Tommy Lakes	63,240	704,110	8	9%	
Trutch	28,141	432,428	6	7%	
Total:	518,988	4,056,782			

The participants are currently not consistent with the target for this indicator.

Target Achieved	
Yes	✖ No

REVISIONS

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



3.9 WILDLIFE TREE PATCHES

Indicator Statement	Target Statement
Cumulative Wildlife Tree Patch percentage in blocks harvested under the <i>FSJPPR</i> in each Landscape Unit.	Cumulative Wildlife Tree Patch % will meet or exceed the minimum target in each LU
	Landscape Unit WTP %
	Blueberry 9%
	Halfway 6%
	Kahntah 5%
	Kobes 8%
	Lower Beaton 3%
	Milligan 4%
	Tommy Lakes 8%
	Trutch 5%
	Sikanni 4%
	Graham 4%
Crying Girl 3%	
<p>SFM Objectives: Suitable habitat elements for indicator species.</p> <p>Maintain a natural range of variability in ecosystem function, composition, and structure which allows ecosystems to recover from disturbance and stress.</p>	
<p>Linkage to <i>FSJPPR</i>: For the purposes of 29(1) of the <i>FSJPPR</i> the applicable performance standard is specified by this indicator statement, target statement and acceptable variance. For the purposes of Section 42 of the <i>FSJPPR</i> 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</p>	

Acceptable Variance:

Aggregate Wildlife Tree Patch (WTP) percentages will only apply if 200 hectares (ha) or more has been harvested under the *FSJPPR* in a landscape unit.

CURRENT STATUS AND COMMENTS

Table 8 indicates the amount of harvest area and proportion of Wildlife Tree Patches by each Landscape Unit where the harvest start date is between April 1, 2018, and March 31, 2022.



Table 8: Cumulative Harvest Area and Proportion of WTPs by Landscape Unit (2018-2022)

LU	Gross Block Area (ha)	WTP Area (ha)	WTP %	Target %
Blueberry	5,247.1	646.4	12.3	9
Halfway	2,245.6	342.3	15.2	6
Kahntah	463.4	51.5	11.1	5
Kobes	5,295.1	702.7	13.3	8
Lower Beatton	187.6	25.4	13.5	3
Milligan	0	0	0	4
Tommy Lakes	5,624.4	575.9	10.2	8
Trutch	598.9	80.0	13.4	5
Sikanni	0	0	0	4
Graham	0	0	0	4
Crying Girl	0	0	0	3
Grand Total:	19,662.1	2,424.2		

The participants have exceeded the target minimum WTP % for all Landscape Units where harvesting has occurred.

Target Achieved	
✓ Yes	No

REVISIONS

A revision to the target retention levels was affected by SFMP #3 and was implemented in the 2018-19 reporting year. No further revisions are proposed for this indicator at this time.

3.10 NOXIOUS WEED CONTENT AND INVASIVE PLANT CONTENT



Indicator Statement	Target Statement
The percent of noxious weeds, and known invasive plant species of concern, in seed mix analyses.	Seed lots utilized by the Participants will meet standards established by the Canadian Seed Growers Association regarding allowable content of seeds of noxious weeds and invasive plants as identified in the most current Provincial and Federal Regulations, and Regional District guidelines.
SFM Objective: Suitable habitat elements for indicator species	
Linkage to FSJPPR: For the purposes of Section 42 of the <i>FSJPPR</i> 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 and in some cases provide forage opportunities for cattle and/or wildlife. All seed lots sold in Canada go through a certification process where the seed lot is tested to rate the weed content. Typically, it is rated with an allowable maximum number of weeds per 25 grams of seed. All weed and germination testing information is identified on the Certificates for each particular lot of seed. For the purposes of this indicator, if the number of weeds in the seed lot sample is below the allowable amount, the seed lot is considered “weed free”.

CURRENT STATUS AND COMMENTS

All reclamation seed broadcast by the licensee Participants during the 2021-2022 reporting period is certified as having 0% content of prohibited and primary noxious weeds and known regional invasive weed species of concern in accordance with the Canadian Seed Growers Association, as identified in the Sustainable Forest Management Plan.

For all broadcast seeding completed by BCTS licensees during the 2021-2022 reporting period is certified as having 0% content of prohibited and primary noxious weeds and known regional invasive weed species of concern in accordance with the Canadian Seed Growers Association, 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 statement or target at this time.



3.11 SPECIES AT RISK STAND LEVEL MANAGEMENT GUIDELINES

Indicator Statement	Target Statement
The percentage of SLPs 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 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 SLPs in effected cutblocks must have one or more Stand Level Management Guidelines (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

During the reporting period of April 1, 2021, to March 31, 2022, BCTS did not complete any Site Level Plans where Stand Level Management Guidelines for species and sites of management concern were required to be specified.

During this reporting period, Canfor prepared 8 SLPs in cutblocks where SLMGs for species and sites of management concern were required to be specified. One or more guidelines were applied in all 8 of these plans.

LP prepared SLPs for 13 blocks where SLMGs were specified for sites and species of management concern.



Figure 3: Typical habitat favored by Connecticut Warbler (*Oporornis agilis*) in the Peace River Region.

(photo by A. Tyrrell)

Target Achieved	
✓ Yes	No

REVISIONS

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



3.12 FOREST WORKERS' SAFETY

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 <i>FSJPPR</i> : N/A	

Acceptable Variance:

None

CURRENT STATUS AND COMMENTS

Currently, of the Managing Participants (BCTS, Canfor and Louisiana Pacific) BCTS and Canfor are certified to the B.C. Forest Safety Council S.A.F.E. Companies Standard. Surveillance 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.

Louisiana Pacific Peace Valley initiated re-opening their OSB mill in Fort St John in June 2021 and began hiring employees for their Forest Resources Division (FRD) at that time. The safety program for the FRD was designed by LP to meet compliance with US and Canadian legislation as well as local (provincial) legislation. The FRD Safety Program has begun the process to obtain certification with SAFE Companies. This process may take up to one year to complete.

Of the Managing Participants, BCTS and Canfor each maintained their individual certifications to the B.C. Forest Safety Council S.A.F.E. Companies Standard during the 2021-22 reporting year. Louisiana Pacific Peace Valley implemented safety program during the reporting period and obtained S.A.F.E companies' certification from the Forest Safety Council in April 2022.

The participants have achieved the target for this indicator.

Target Achieved	
✓ Yes	No

REVISIONS

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



3.13 SEED USE

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.	100% of seedlings and vegetative material will be used and planted in accordance with the Chief Forester’s Standards for Seed Use (Nov. 20 th , 2004), as amended from time to time.
<p>SFM Objectives: Conserve genetic diversity of tree stock.</p> <p>Suitable habitat elements for indicator species.</p>	
<p>Linkage to FSJPPR: For the purposes of Section 42 of the <i>FSJPPR</i> 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).</p>	

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:

3,662,621 seedlings were planted within the 2021-2022 reporting period. All seedlings were planted in accordance with the standard.

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

3,287,407 seedlings were planted within the reporting period. All seedlings were planted in accordance with the standard. LP did not plant any seedlings during this reporting period.

Combined:

The total number of seedlings planted was 6,950,028, all of which were planted in accordance with the standard.

Target Achieved	
✓ Yes	No

REVISIONS

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



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 Forester’s 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 2021-2022 reporting period.

Target Achieved	
✓ Yes	No

REVISIONS

There are no proposed revisions to the indicator statement or target 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.
<p>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.</p>	
<p>Linkage to FSJPPR: N/A</p>	

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 #3 or its amendments, in Class A Parks, Ecological Reserves and Land and Resource Management Plan (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 FOS #3 and to ensure proposed blocks or roads did not fall within any of the protected areas.

Target Achieved	
✓ Yes	No

REVISIONS

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



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 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 <i>FSJPPR</i> : N/A	

Acceptable Variance:

No variances unless authorized by the Ministry of Environment and Climate Change Strategy (MOE).

CURRENT STATUS AND COMMENTS

There are currently 45 approved Wildlife Habitat Area's (WHA's) and 3 Ungulate Winter Ranges (UWR's) 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 WHA's or UWR's.

The WHA 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 honoring the boreal caribou WHA and UWR areas by applying the General Wildlife Measures in the UWR's and avoiding operational activities in the WHA's.

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).

Table 9 summarizes harvest activities within grand-parented blocks within the Muskwa-Kechika Management Area (MKMA) up to March 31, 2022.

Table 9: Harvest Activities in the MKMA

Licencee	Licence	Timber Mark	Block ID	Gross Area	Merch Area	Harvest Start Date	Harvest Completion Date	System ⁶
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			

⁶ CCRES – Clear Cut with Reserves



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 FOS #3 is currently limited to previously grand parented 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 the indicator statement or target at this time.



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.
<p>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.</p>	
<p>Linkage to FSJPPR: N/A</p>	

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 23⁷) if required for access purposes.

No acceptable variance for Leading Species by NDU that are not identified as uncommon in Table 23⁸.

CURRENT STATUS AND COMMENTS

The targets specified in SFMP #1 and SFMP #2 for proportion of area in forest stands by leading species in an unmanaged condition were carried over to SFMP #3 without any revision. Assessments of the future condition of forest stand type described by this indicator was completed to confirm consistency of FOS #3 with SFMP #3. An assessment of the NDU species combinations considered unique must be conducted when harvesting is proposed to ensure that targets are met.

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 and the TSR was released in May 2018. 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. An analysis was conducted in 2022 for the FOS Amendment # 411, and the analysis results indicated that all targets are met for this indicator for the current and future state.

The participants are in conformance with this indicator.

Table 10 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 land base that is considered as the timber harvesting land base. The applicable NDU species combinations are highlighted in yellow.

⁷ Refers to Table 23 in the *Fort St. John Pilot Project Sustainable Forest Management Plan #3*



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 and the TSR was released in May 2018. 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. An analysis was conducted in 2022 for the FOS Amendment # 411, and the analysis results indicated that all targets are met for this indicator for the current and future state.

The participants are in conformance with this indicator.

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

Natural Disturbance Unit	Sub NDU	Leading Species	Total Forested Area (ha)	Unmanaged Forests		
				Current NHLB	Current % NHLB	Baseline Target %
Boreal Foothills	Mountains	AC	46	46	100%	100
		AT	2,542	2,142	84%	12
		BL	11,866	11,587	98%	12
		PL	19,076	14,252	75%	12
		SB	915	853	93%	12
		SW	85,842	73,320	85%	12
		SX	98	93	94%	12
Boreal Foothills - Mountain Total			120,385	102,294		
Boreal Foothills	Valley	AC	224	219	98%	80
		AT	3,073	1,968	64%	12
		BL	2,253	2,225	99%	0
		EP	32	32	100%	100
		PL	12,568	6,327	50%	12
		SB	1,782	1,604	90%	12
		SW	46,145	36,064	78%	12
SX	196	102	52%	12		
Boreal Foothills - Valley Total			66,274	48,540		
Boreal Plains	Upland	AC	26,520	26,088	98%	12
		AT	595,813	180,512	98%	12
		BL	2,479	1,821	30%	12
		EP	64,968	62,609	73%	12
		LT	42,409	42,386	100%	12
		PL	456,549	195,204	43%	12
		SB	1,326,698	1,297,311	98%	12
		SW	290,390	134,146	46%	12
SX	157,940	51,041	32%	12		
Boreal Plains - Upland Total			2,963,763	1,991,118		
Northern Boreal Mountains		AC	203	198	98%	70
		AT	6,715	5,885	88%	12



		BL	11,876	11,682	98%	12
		PL	19,968	16,964	85%	12
		SB	2,914	2,897	99%	12
		SW	18,754	16,461	88%	12
		SX	121,256	116,941	96%	12
Northern Boreal Mountains Total			181,685	171,029		
Omineca	Mountains	AC	20	20	99%	100
		AT	719	657	91%	50
		BL	17,558	17,549	100%	12
		PL	5,735	4,600	80%	12
		SB	382	377	99%	12
		SW	63,848	60,900	95%	100
		SX	7	7		NO TARGET
Omineca - Mountains Total			88,267	84,109		
Omineca	Valley	AC	14	14	96%	100
		AT	414	326	79%	50
		BL	18	18	100%	100
		PL	2,146	1,278	60%	12
		SB	240	236	98%	12
		SW	5,333	3,883	73%	12
		SX	74	74		NO TARGET
Omineca - Valley Total			8,239	5,829		
Grand Total			3,428,614	2,402,918		

Target Achieved	
✓ Yes	No

REVISIONS

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



3.18 GRAHAM HARVEST TIMING

Indicator Statement	Target Statement
The number of clusters in the Graham IRM ⁸ 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.
<p>SFM Objective: Provide opportunities for a feasible mix of timber, recreational activities, and non-timber commercial activities.</p> <p>Management strategies address important values in SMZ⁹ areas.</p>	
<p>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.</p>	

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

Canfor, BCTS, and LP did not conduct harvesting operations in any part of the Graham IRM plan area during the period covered by this 2021-2022 Annual Report. The Forest Operations Schedule Section 3.1, submitted to MFLNRORD in October 2017, identifies the blocks that remain not harvested in the FOS in Graham clusters 5, 6 and 6a.

The Graham River IRMP Area harvest sequencing is also noted in Table 17 of the FOS. The Participants have plans to restart harvesting in the Graham area in either the 2021/22 or 2022/23 seasons, in cluster 5. A Total Chance planning exercise based on the defined harvest clusters has been initiated to increase the operational knowledge of the future available fibre supply in the Graham River IRMP area. The harvest sequencing presented in the FOS is consistent with achieving the target for this indicator.

Target Achieved	
✓ Yes	No

REVISIONS

The conditional approval letter for SFMP#3 requested an indicator to address harvest performance in the Graham area. After a review of the indicator, it was determined that no changes were required. However, the Participants are reviewing the Graham River Integrated Resource Management Plan to determine the best way to move forward, given the operational and economic constraints on harvesting strategies, and considering harvesting slightly out of sequence in the Plan area, as the economic and operation constraints of harvesting polygons remaining in the clusters is not feasible at this time.

⁸ IRM – Integrated Resource Management

⁹ SMZ – Special Management Zone



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 Period #4 (ending April 2022): 10,858 ha
<p>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.</p>	
<p>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.</p>	

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

Canfor, BCTS, and LP did not conduct harvesting operations within the Graham River IRM Plan area during the annual reporting period of April 1, 2021-March 31, 2022.



Table 11: 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 Forest Practices Code (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

Definitions:									
Total Area:		The total size of a Cluster including inoperable areas							
Gross Contributing Area:		The Contributing Area (base area) for Forest Practices Code (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
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			



Definitions:										
Total Area:		The total size of a Cluster including inoperable areas								
Gross Contributing Area:		The Contributing Area (base area) for Forest Practices Code (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
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 ended April 1, 2012, with a 6,569-hectare maximum cumulative harvest target. No harvesting occurred in the Graham during period 2. 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 was in conformance with this indicator.

Period 3 ran until April 1, 2017, with a maximum cumulative harvest area target of 9,355 ha. No harvesting took place in the Graham during Period #3. Therefore, the cumulative area harvest to the end of Period 3 is 3,515.6ha. This is within the maximum cumulative harvested area target of 9,355ha and the Participants were in conformance to this indicator.

Period 4 runs until April 1, 2022, with a maximum cumulative harvest area target of 10,858ha. No harvesting has taken place within the Graham since the commencement of period 4 and the preparation of this report. Therefore, the cumulative area harvested is 3,515.6ha. This is within the maximum cumulative harvested area target of 10,858ha and the Participants are in conformance to this indicator.



Figure 4. Graham River operating area cluster 4a, preharvest (photo by A. Tyrrell)

Target Achieved	
✓ Yes	No

REVISIONS

The conditional approval letter for SFMP#3 requested an indicator to address harvest performance in the Graham area. After a review of the indicator, it was determined that no changes were required. However, the Participants are reviewing the Graham River Integrated Resource Management Plan to determine the best way to move forward, given the operational and economic constraints on harvesting strategies, and considering harvesting slightly out of sequence in the Plan area, as the economic and operation constraints of harvesting polygons remaining in the clusters is not feasible at this time.



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.
<p>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.</p>	
<p>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.</p>	

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

No harvesting was conducted within the recognized corridors during the time period covered by this report – April 1, 2021 – March 31, 2022.

Target Achieved	
✓ Yes	No

REVISIONS

The conditional approval letter for SFMP#3 requested an indicator to address harvest performance in the Graham area. After a review of the indicator, it was determined that no changes were required. However, the Participants are reviewing the Graham River Integrated Resource Management Plan to determine the best way to move forward, given the operational and economic constraints on harvesting strategies, and considering harvesting slightly out of sequence in the Plan area, as the economic and operation constraints of harvesting polygons remaining in the clusters is not feasible at this time.



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 <i>FSJPPR</i> 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 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 grandfathering provisions of the Muskwa-Kechika Management Act and Regulation, for the duration of FOS #2. ‘Grandfathered’ blocks in the MKMA that were not harvested during FOS #2 were dropped from FOS #3 (submitted Oct 2017). There are no unharvested blocks in the MKMA remaining in the current FOS.

Prior to harvest and road authorizations being granted in the MKMA, at least one Landscape Unit Objective must be developed for the area by the government. To date no LU Objective has been set.

Initial planning of an MKMA harvest plan commenced in 2006 but was suspended pending further advancement of LU Objective development. It is possible that the recent initiative to create a new Land Resource Management Plan (LRMP) for the Fort St. John TSA may have an impact on future LU Objectives for the MKMA. However, the LRMP process has been delayed indefinitely due to the court ruling in the case of Yahey vs. British Columbia.

The SFMP #3 approval letter dated May 4, 2018, made mention of MKMA forestry objectives, in the context of a revised Timber Harvesting Strategy for the SFMP. This was addressed in the SFMP amendment #1 in the revised ‘AAC Partition – Conifer Planning.

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

Revisions to this indicator will be considered in light of the SFMP #3 approval letter.

3.22 RIVER CORRIDORS



Indicator Statement	Target Statement
The percentage of harvested areas that create openings greater than 1 hectare within 100 meters of RRZ's in identified major river corridors.	No openings exceeding 1 hectare in blocks within the major river corridors harvested under the <i>FSJPPR</i> (i.e., after November 15th, 2001).
SFM Objective: Management strategies address important values in SMZ areas.	
Linkage to <i>FSJPPR</i>: For the purposes of Section 42 of the <i>FSJPPR</i> 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 #3, 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 (RRZ) stream classification, which was based on inventory information if known, or defaulted to S1 classifications if unknown. This coverage is displayed on all FOS maps where the Major River Corridor Resource Management Zone occurs. Any blocks not previously authorized and occurring within a major river corridor were either deleted or amended prior to inclusion in the FOS. This process was also followed for the major FOS amendment done during the reporting period (amendment 411).

Canfor, BCTS, and LP did not conduct any block harvest or road construction activities in major river corridors, during the reporting period between April 1st, 2021, and March 31st, 2022.

Target Achieved	
✓ Yes	No

REVISIONS

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



3.23 TOTAL NUMBER OF CONTRACTS AWARDED TO FIRST NATIONS

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 reporting period, Canfor awarded five 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 conducting manual brushing, slash burning and brushing projects, road maintenance, operations of remote scale yard, and harvesting and hauling of timber generated through hazard abatement projects. These contracts totaled \$1,073,612.04.

During the 2021-2022 reporting period, BC Timber Sales did not have any contractual arrangements with First Nations.

During the current reporting period, LP awarded one contract to companies or groups owned, operated, or sponsored by First Nations. This contract provided the First Nation with the opportunity to be involved in the local forest industry and economy by conducting mulching. This contract totaled \$19,461.75.

Target Achieved	
✓ Yes	No

REVISIONS

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



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 <i>FSJPPR</i> , this indicator statement, target statement and acceptable variance will replace Section 30(1) of the <i>FSJPPR</i> . For the purposes of Section 42 of the <i>FSJPPR</i> 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, 2022, is 3.9%, details are presented in Table 11. The target for this period is a maximum of 5% of total area in permanent access structures. All Managing Participants' permanent access structure values were consistent with the targets during the reporting period – Canfor 4.4%, LP 4.9% and BCTS 2.9%.

Table 11: 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	2020	133.2	3,144.4	4.2
Canfor	2021	111.3	2,357.3	4.7
Canfor	2022	103.2	2,498.6	4.1
Canfor Total:¹⁰		347.7	8,000.3	4.4
LP	2020	/	/	/
LP	2021	/	/	/
LP	2022	43.7	900	4.85
LP Total:		43.7	900	4.85
BCTS	2020	41.9	1,572.4	2.7
BCTS	2021	47.5	1,649.1	2.9
BCTS	2022	32.0	997.1	3.2
BCTS Total:¹¹		121.4	4,218.8	2.9
Combined Participant Totals:		512.8	13,119.1	3.9

¹⁰ based on 10 metre wide road widths

¹¹ based on 6 metre wide road widths



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

Target Achieved	
✓ Yes	No

REVISIONS

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

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. ¹²	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.
<p>SFM Objective: Maintain a natural range of variability in ecosystem function, composition and structure which allows ecosystems to recover from disturbance and stress.</p> <p>Ecosystem functions capable of supporting naturally occurring species continue to exist within the DFA.</p> <p>Maintain or enhance landscape level productivity.</p>	
<p>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.</p>	

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:

BC Timber Sales fill-planted 152.6 ha over ten openings during the reporting period of April 1st, 2021, to March 31st, 2022. Prior year silviculture surveys conducted on these openings identified the need for fill planting. The causes were primarily due to grass, and/or deciduous, herbaceous and frost damage that led to mortality in plantations of conifer and/or decreased natural regeneration of deciduous. Some of these stands may be managed under mixedwood regimes going forward while some will continue with a conifer management objective.

From the silviculture surveys conducted during the reporting period on BCTS obligation areas, there were minor incidences of forest health damage such as animal browse, and frost. None of the forest damages identified were considered at levels significant enough to warrant development of a treatment plan.

¹² Indicator changed in 2010 SFMP to apply to silviculture obligation areas



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

Licensee participants fill planted 350.5 ha of obligation area over 19 different openings during the reporting period of April 1, 2021, through March 31, 2022. The need for fill planting on these sites was identified during surveys, and the cause was attributed mainly to competition from grass, and/or deciduous species, herbaceous and frost damage, 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 aspen twig blight, frost, and animal browse. None of the forest damages identified were considered at levels significant enough to warrant development of a treatment plan.

LP indicated minor incidences of animal browse and cattle damage. None of the forest damages identified were considered at levels significant enough to warrant development of a treatment plan. During the reporting period, LP had no fill plants conducted and had no fill plant areas identified in the 2021 survey results.

Target Achieved	
✓ Yes	No

REVISIONS

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



3.26 SALVAGE

Indicator Statement	Target Statement
The relative proportion of area of merchantable fire-damaged stands salvaged within a management intensity class ¹³ .	The relative proportions of salvage hectares will be highest in the high intensity zones ¹⁴ , and lowest in the low intensity zones over an SFMP period (April 1, 2016 - March 31, 2022).
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

Wildfires occurred in both High and Moderate Intensity Management Zones of the DFA, resulting in a total of 9,826 hectares of burned area for the 2021-2022 reporting period. Of the total area burned, 1,507 ha was within forested stands containing any proportion of merchantable timber.

During the reporting period of April 1, 2021, to March 31, 2022, BCTS, Canfor, and LP did not salvage any burned areas.

Table 12: Area Damaged / Salvaged in Merchantable Timber During the SFMP Period

MANAGEMENT INTENSITY EMPHASIS	HIGH			MODERATE			LOW			ALL		
	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 Area Damaged (ha)	Total Merch* Timber Damaged (ha)	Total Area Salvage (ha)
Year												
2016	12,484	4,239	1,375	66,114	16,951	1,645	0	0	0	78,599	21,190	3,020
2017	0	0	0	0	0	0	11	0	0	11	0	0
2018	29,939	1,024	0	19,556	2,107	116	0	0	0	49,496	3,131	116
2019**	306	67.8	0	684	130	0	0	0	0	990	448	0
2020	40	0	0	160	0	0	0	0	0	201	0	0
2021	3,376	1,070	0	6,449	437	0	0	0	0	9,826	1,507	0
SFMP Totals	46,145	6,401	1,375	92,963	19,625	1,761	11	0	0	139,123	26,276	3,136

*Based on VRI from Land Resource Data Warehouse (LRDW) on stands with a total estimated volume of >= 140m³/ha and occurring on the Crown Forest Land base (CFLB). **The 2019 values differ slightly between the 2019-2020, 2020-2021, and 2021-2022 Annual Reports due to recalculation of values using a standardized system.

¹³ Modified in 2010 from SFMP # 1 to include only fire damaged stands

¹⁴ See Section 1.4.1 (page 22) of SFMP# 3 for description of LU's in high, moderate and low forest management intensities.



Target Achieved	
✓ Yes	No

REVISIONS

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



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

Table 13 summarizes the silviculture system (merchantable hectares) on blocks harvested between April 1, 2021, and March 31, 2022.

Table 13: Silviculture System Summary by Area

Managing Participant	Even-aged (ha)	Uneven-aged (ha)	Total (ha)
Licensee Participants	3,471.0	0	3,471.0
BCTS	945.3	0	945.3
Total	4,416.3	0	4,416.3

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 revisions to the indicator statement or target at this time.



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.)

CURRENT STATUS AND COMMENTS

Table 14 summarizes the blocks planted between April 1, 2021, and March 31, 2022, and the corresponding cruise species percentages by licensee:

Table 14: 2021 Planting vs. Cruise Species Comparison

Division	Data	Total	Proportion
BCTS	Sum of Cruise -- Spruce (m ³)	284,554	53%
	Sum of Cruise -- Pine (m ³)	256,759	47%
	Sum of Planted -- Spruce (trees)	1,985,804	53%
	Sum of Planted -- Pine (trees)	1,770,182	47%
Licensee Participants	Sum of Cruise -- Spruce (m ³)	362,822	72%
	Sum of Cruise -- Pine (m ³)	142,594	28%
	Sum of Planted -- Spruce (trees)	2,311,063	79%
	Sum of Planted -- Pine (trees)	607,921	21%
Combined Totals	Total Sum of Cruise -- Spruce (m ³)	647,376	62%
	Total Sum of Cruise -- Pine (m ³)	399,353	38%
	Total Sum of Planted -- Spruce (trees)	4,296,867	64%
	Total Sum of Planted - Pine (trees)	2,378,103	36%



As indicated above the blocks planted in 2021 contained 62% spruce volume in the cruise and were planted with 64% spruce. These blocks contained 38% pine volume in the cruise and were planted with 36% pine. The planted species percentages are below the variance threshold and are in conformance for this indicator.

Target Achieved	
✓ Yes	No

REVISIONS

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



3.29 REFORESTATION ASSESSMENT

Indicator Statement	Target Statement
<p>Predicted Merchantable Volume (PMV) (cubic meters) coniferous and separate deciduous surveyed areas.</p>	<p>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.</p>
<p>SFM Objectives: A natural range of variability in ecosystem function, composition and structure which allows ecosystems to recover from disturbance and stress.</p> <p>Maintenance of the processes for carbon uptake and storage.</p>	
<p>Linkage to <i>FSJPPR</i>: For the purposes of Section 35(5) of the <i>FSJPPR</i> this indicator statement, target statement and acceptable variance will be used in replacement of the portions of affected Section 32 of the <i>FSJPPR</i> 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 <i>FSJPPR</i>. Please refer to sec 8.1.3 of this SFMP.</p> <p>For the purposes of Section 42 of the <i>FSJPPR</i> 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.</p>	

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 timeframes 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 while 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 4 - Reforestation. MSQ is conducted on coniferous blocks 15 years after harvest and on deciduous blocks 10 years after harvest.

BCTS

A total of ten BCTS blocks were MSQ surveyed from the 2006/2007 harvest year in 2021. These ten blocks had productive standard units that are managed using coniferous stocking standards. This accounted for a sample size of 445.3 ha. The field data collected in July and August 2021 was compiled over the winter using a compiler developed by Timberline Natural Resource Group. The 443.5 ha were broken down into six different strata based on species composition, site index, stocking class and target stocking standards. For each stratum a target merchantable volume (TMV) was determined based on TASS (Tree and Stand Simulator) 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 2006/2007 harvest year for coniferous managed stands was 290,302 m³ and the TMV was 286,450 m³. **This put the PMV at 101.3% of the TMV, which means that the target has been achieved.**

In addition to the above, a total of seven BCTS blocks were MSQ surveyed from the 2011/2012 harvest year using deciduous stocking standards in 2021. This accounted for a sample site of 239.1 ha. The field data was collected in the summer of 2021 and compiled using a deciduous compiler developed by Craig Farnden Forestry Consulting (2012) and in 2016, THEXLWIZ Consulting developed a new Microsoft Excel version with advanced data validation and a complete reporting system. 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 area and site index, a predicted merchantable volume (PMV) was then calculated. The PMV for the 2011/2012 harvest year for deciduous managed stands was 97,970 m³ and the TMV was 88,479 m³. **This put the PMV at 110.7% of the TMV, which means the target has been achieved.**

Licensee Participants

A total of 35 blocks were surveyed from the 2006/2007 harvest year, accounting for a sample size of 1315.5 ha. The field data collected between August and October of 2021 were compiled over the winter using a compiler developed by J.S. Thrower and Associates. The 1315.5 ha were grouped into 17 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 2006/2007 harvest year was 674,895 m³, and the TMV was 622,487 m³.



In addition to the above, a total of 41 participant blocks were surveyed from the 2011/2012 harvest year using deciduous stocking standards. This accounted for a sample size of 1,783.0 ha. The field data was collected in the summer and compiled using a deciduous compiler developed by Craig Farnden Forestry Consulting (2012) and in 2016, THEXLWIZ Consulting developed a new Microsoft Excel version with advanced data validation and a complete reporting system. This sample represents three 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 2011/2012 harvest year for deciduous managed stands was 554,889 m³ and the TMV was 499,239 m³. This put the PMV at 111.1% of the TMV. Within conifer blocks, PMV was calculated at 108.4%, which means the target for this indicator has been achieved.

Targets were achieved for both deciduous and coniferous reforestation assessments during the annual reporting period, April 1, 2021 to March 31, 2022.

Target Achieved	
✓ Yes	No

REVISIONS

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



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.
<p>SFM Objectives: Maintain the diversity and pattern of communities and ecosystems within a natural range.</p> <p>Maintain a natural range of variability in ecosystem function, composition and structure which allows ecosystems to recover from disturbance and stress.</p> <p>Maintenance of the processes for carbon uptake and storage.</p>	
<p>Linkage to FSJPPR: For the purposes of Section 42 of the <i>FSJPPR</i> this indicator statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the Reforestation Landscape Level Strategy.</p>	

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 0.4 years, which is within the acceptable performance range for coniferous establishment timelines for this indicator. Canfor coniferous establishment delay was 1.1 years, which is within the acceptable performance range for coniferous establishment timelines for this indicator. LP had a single conifer block during the reporting period, with an establishment delay of 0.5 years.

Deciduous Regeneration:

The BCTS deciduous establishment delay was 1.4 years, which is within the acceptable performance range for deciduous establishment timelines for this indicator. The Canfor deciduous establishment delay was 4.3 years, which is not within the acceptable performance range for deciduous establishment timelines for this indicator. LP establishment delay during the reporting period was 2.8 years.

Mixedwood Regeneration

The BCTS mixedwood establishment delay was 0.6 years, which is within the acceptable performance range for mixedwood establishment timelines for this indicator. The Canfor mixedwood establishment delay was 0 years, which is within the acceptable performance range for mixedwood establishment timelines for this indicator. LP did not have any mixedwood establishment delay data to report.



Refer to the tables found in Appendix 4 - Reforestation, for a detailed listing of how this establishment delay value was calculated.

The participants did not achieve the target for deciduous regeneration delay, so are not in conformance with this indicator.

Target Achieved	
Yes	✘ No

REVISIONS

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



3.31 LONG TERM HARVEST LEVEL

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

Acceptable Variance:

At the time of SFMP #1 government policy direction was to have Timber Supply Reviews (TSRs) 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.

Although the Participants may propose information to be considered in the calculation of a sustainable long-term harvest level, the responsibility and authority to determine an AAC 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. In May 2018, MFLNRORD released the updated AAC. The Chief Forester set the AAC at 2,115,000m³, which is the same AAC that was released in 2003.

Target Achieved	
✓ Yes	No

REVISIONS

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



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.
<p>SFM Objective: Maintain or enhance landscape level productivity. Protect soil resources to sustain productive forests.</p>	
Linkage to <i>FSJPPR</i> : 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. 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 fourth reporting season where a population of cutblocks have met the conditions required for inclusion.

BCTS

The average pre-harvest site index was 16.6, whereas the average post-harvest site index was determined to be 21.5.

Licensee Participants

Canfor reported an average pre-harvest site index of 15.0, whereas the average post-harvest site index was determined to be 19.0.

LP reported a pre-harvest site index average of 17.2, and a post-harvest site index of 18.2.

Target Achieved	
✓ Yes	No

REVISIONS

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



3.33 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 as part of the development of FOS #3, to determine what impact blocks harvested through March 31, 2025, would have on each watershed's Peak Flow Index. The analysis showed that all watersheds were below the baseline target for current state and 99% watersheds are below the baseline target for future state upon completion of all harvest activities by both participants.

As part of FOS amendment 411, another analysis was conducted to assess the impacts of the additional planned harvest area (through 2036). A detailed summary was presented in the FOS amendment 411 analyses summary. The SFMP target was met, with 100% of the thresholds met for the current and future states. The participants are in conformance with this indicator.

Target Achieved	
✓ Yes	No

REVISIONS

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



3.34 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. ¹⁵
SFM Objective: Maintenance of water quality.	
Linkage to FSJPPR: N/A	

Acceptable Variance:

Maximum ‘high’ WQCR allowable will be 35%.

CURRENT STATUS AND COMMENTS

SQCI (Stream Quality Crossing Index) - Water Quality Effectiveness Evaluation (WQEE) field surveys were conducted on 16 crossings in 2021. From these surveys, the WQCR was assigned using the translation tables from “Stream Crossing Quality Index (using the WQEE Computation Procedure) Field Manual” by P. Beaudry. One of the crossings was on a fish bearing stream. Results of the field surveys are presented in the following table.

The participants achieved the indicator target for the 2021/2022 reporting period.

Table 15: Summary of WQCR Data Collected during 2021

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	0	6	10	16	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 8 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.

¹⁵ 2010 SFMP target revised to annual measurement from three year rolling average of 2004 SFMP



Figure 5: Example of a crossing with a ‘High’ Water Quality Concern Rating

Figure 9 is an example of a crossing rated ‘low’. Abundant reclamation seed mix and natural vegetation has colonized soil exposures and lowered the risk of soil erosion and sediment delivery to waterbodies.



Figure 6: Example of a crossing with a ‘Low’ Water Quality Concern Rating

Target Achieved	
✓ Yes	No

REVISIONS

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



3.35 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 Site Level Plan (SLP) measures to protect stream bank, stream channel stability and riparian vegetation on small streams due to harvesting or silviculture activities from April 1, 2021, to March 31, 2022, indicated that there were no instances of non-conformance to SLP measures during that reporting period.

A review of Canfor incidents related to Site Level Plan (SLP) measures to protect stream bank, stream channel stability and riparian vegetation on small streams due to harvesting or silviculture activities from April 1, 2021, to March 31, 2022, indicated that there were no instances of non-conformance to SLP measures during that reporting period.

A review of LP 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, 2021, to March 31, 2022, indicated that there were no instances of non-conformance to SLP measures.

A variance of one non-conformance per participant is allowed annually. There were no participant non-conformances. Therefore, the participants were in conformance to the indicator and are within the tolerance provided by the variance.

Target Achieved	
✓ Yes	No

REVISIONS

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



3.36 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 indicates that no spills of a reportable substance that entered water bodies during the 2021-22 reporting period. The participants are in conformance with this indicator.

Target Achieved	
✓ Yes	No

REVISIONS

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



3.37 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

The following is a summary of proposed changes to activities related to coordinating development between licensee participants and the oil and gas industry between April 1st, 2021, and March 31st, 2022.

Canfor provided oil and gas companies with a total of 296 road use agreements for use of Canfor roads, representing 4,514 km total. Oil and gas companies consequently provided several road use agreements for their roads to Canfor. In most of the referrals received, planned access to the proposed oil and gas development had considered information from the Participant’s Forest Operations Schedule (FOS).

Canfor received a total of 55 referrals from the Oil and Gas industry during the reporting period. Of these, 7 referrals indicated that coordinating activities were occurring in that Oil and Gas were requesting to use the Participant’s existing roads or Canfor was requesting that roads be left open by the Oil and Gas industry.

BCTS does not hold any RUA, as the successful bidder for each TSL is responsible for acquiring these before hauling. Following is a summary of proposed changes to activities related to coordinating development between BCTS and the oil and gas industry.

BCTS received a total of 19 oil and gas referrals between April 1st, 2021, and March 31st, 2022. Of the 11 referrals BCTS received, there were 0 proposed change. The changes consisted of the following:

- The request that the oil and gas company cover compensation for the amendments required to the affected BCTS block as it was ready to be advertised. 0 referral replies.
- The request that post-construction shape files be submitted to BCTS for silviculture reductions. 5 referral replies.



- The request for the construction timeline to be adjusted to avoid in block construction while the block has active harvesting. 0 referral replies.

All the referrals had very little or no impact to BCTS blocks and required minor or no changes to the proposed oil and gas activity. Most of the referrals from oil/gas industry appeared to have utilized the FOS maps provided to the industry. In doing so, BCTS planned and/or developed infrastructure was considered.

LP provided oil and gas companies with a total of 74 road use agreements representing 154km of road.

Two major projects were done collaboratively with other companies during the reporting period:

- Canfor and BCTS completed in partnership the replacement of the bridge located at km 6.5 on the Numac Plant Road.
- Canfor and Petronas replaced the bridge at 17.2km on the Attick Creek Road.

Target Achieved	
✓ Yes	No

REVISIONS

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



3.38 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

Prior to 2013, Timber Range Action Plans (TRAPs) was the main documentation template for developing strategies to mitigate range and forestry activities’ impacts on one another. However, over time, the formality and process of TRAP that originated from the Timber and Range Impact Mitigation Committee (TRIM C) project has become less formal. Since 2018, other formats of documents have been used to record mutually agreed upon action plans.

Table 16: Results of Mutually Agreed Range Action Plans

Annual Reporting Period	# Timber Range Action Plans (TRAPs)	# Mutually Agreed Upon Action Plans
2004-05	0	N/A
2005-06	6	N/A
2006-07	4	N/A
2007-08	5	N/A
2008-09	1	N/A
2009-10	1	N/A
2010-11	3	N/A
2011-12	0	N/A
2012-13	0	N/A
2013-14	1	N/A
2014-15	5	N/A
2015-16	1	N/A
2016-17	0	N/A
2017-18	0	N/A
2018-19	0	1
2019-20	0	0
2020-21	0	3
2021-22	0	0
Total	27	4



Table 18 provides a summary of mutually agreed range action plans that were developed and completed, as well as a summary of comprehensive TRAP's prepared from April 1st, 2004, through March 31st, 2022 (SFMP #1, SFMP #2 and SFMP#3):

During the reporting period, April 1st, 2021 – March 31st 2022, Canfor did not have any Range Action Plans.

LP works with and coordinates with range tenure holders to address issues and concerns. However, no range action plans were developed during the reporting period.

Target Achieved	
✓ Yes	No

REVISIONS

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



3.39 DAMAGE TO RANGE IMPROVEMENTS

Indicator Statement	Target Statement
Number of natural range barriers or range improvements rendered ineffective by Participants' activities.	Natural range barriers or range improvements rendered ineffective by Participants' activities will be repaired within 2 years of harvest completion.
<p>SFM Objective: Provide opportunities for a feasible mix of timber, recreational activities, and non-timber commercial activities.</p>	
<p>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.</p>	

Acceptable Variance:

The indicator target would not apply if a Participant can implement alternative mitigation strategies to the satisfaction of the range tenure holder and if required, approval from MFLNRORD. If a natural range barrier is not identified prior to harvesting, managing Participants have to develop and implement mitigation strategies to alleviate the impact of lost or ineffective natural range barrier in less than two years from the completion of harvesting, provided that the range tenure holders raise concerns regarding the natural range barrier to the Managing Participants within 180 days of completion of primary harvesting activities.

Temporary removal or alteration of a range development to enable short-term forestry activities to proceed is permissible. However, repairs to or replacement of improvements must be completed in less than two years from harvest completion. For the purposes of this indicator, the terms range improvement and range development have the same meaning.

CURRENT STATUS AND COMMENTS

During the April 1, 2021 – March 31, 2022, reporting period, BCTS and Canfor did not incur any instances whereby a range improvement was damaged.

In April of 2021 PVOSB harvested 3 blocks that required fence lines being crossed. Gates were installed to permit logging traffic to go in and out. Hauling occurred during July and August of 2021 and cattle guards were installed in place of the fences. Following hauling, the cattle guards were removed, and the gates were erected to the satisfaction of the range tenure holders.

In April of 2021 a cattle guard on a secondary road was damaged by logging equipment contracting to PVOSB. A new cattle guard was installed in August of 2021.

In November of 2021 PVOSB harvested a block with a fence line thru the middle of it. Two crossings were proposed, however by reconfiguring some in-block roads, only one crossing was required. A gate was put in place where the road crossed the fence. The range tenure holder was consulted about the gate prior to turning his cattle out the following summer (2022).

The participants are in conformance with the indicator's acceptable variance.

Target Achieved



✓ Yes	No
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REVISIONS

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

3.40 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 <i>FSJPPR</i> : N/A	

Acceptable Variance:

No less than the target.

CURRENT STATUS AND COMMENTS

During the reporting period of April 1, 2021, to March 31, 2022, all Participants continue to support the operational maintenance of the Crying Girl Provincial Recreation Site. A local resident/contractor is contracted to provide site cleanup, outhouse cleaning, and garbage disposal.

Target Achieved	
✓ Yes	No

REVISIONS

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



3.41 VISUAL QUALITY OBJECTIVES

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

Acceptable Variance:

A variance to the requirement for consistency with established VQOs, 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 2016, the post-harvest assessment must be done by December 31, 2017).

For the 2021-2022 reporting period, Canfor harvested one block within the visual quality objective (VQO) polygons. Visual quality assessments were completed. There were no variances requested or approved by the MFLNRORD for the requirement to complete a post-harvest visual quality assessment. Canfor is therefore in conformance with the target for this indicator.

For the 2021-2022 reporting period, BCTS had no blocks that fell within an area requiring management of Visual Quality Objectives. BCTS is therefore in conformance with the target for this indicator.

During the 2021-2022 reporting period, LP harvested 2 blocks that overlapped VQO polygons. Both overlaps were with polygons that had a “modification” objective. A VIA was completed for each, and the block designs met the VQO objectives.

The participants are in conformance with this indicator.

Target Achieved	
✓ Yes	No

REVISIONS

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



3.42 RECREATION OPPORTUNITY SPECTRUM (ROS)

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).
<p>SFM Objective: Provide opportunities for a feasible mix of timber, recreational activities, and non-timber commercial activities.</p>	
<p>Linkage to FSJPPR: For the purposes of Section 42 of the <i>FSJPPR</i> this indicator statement, target statement and acceptable variance will be used to determine if forest practices are consistent with the landscape level strategies.</p>	

Acceptable Variance:

The Primitive ROS percentage 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 allowable variance for the Semi-Primitive non-motorized target.

CURRENT STATUS AND COMMENTS

During development of the FOS#3, the FOS was analyzed to project the potential impact on the ROS targeted percentages; all proposed development was consistent with the SFMP ROS targets.

Table 17 identifies the condition of the recreation opportunity spectrum expected upon the completion of all harvest operations in FOS #3. If 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. FOS Amendment #399 did add new blocks and roads to the plan, and the analysis was re-run and found to be still consistent with the SFMP ROS targets.



Table 17: Projection of Changes to ROS Class from 1996 to 2025

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 (ha)	Total %
	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (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 SFMP Target	65,839		180,726		NA		NA		NA		NA	

Table 17 summarizes the projected ROS condition presented in FOS #3. It should be noted that FOS #3 included developments proposed in the Crying Girl and the Graham Landscape Units. The proposed development of FOS #3 was found to be consistent with the SFMP ROS targets.

No logging occurred in this area between 2008 and March 31st, 2022. The current status remains consistent with the target range for this indicator. The participants do have some proposed blocks in the Crying Girl LU and the Graham LU, but harvesting has not started.

During the reporting period of April 1, 2021, to March 31, 2022, BCTS has continued not being active in the Graham, Sikanni, and Crying Girl LU's.

LP did not harvest within any of the primitive or semi-primitive ROS areas during the reporting period.

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 #3, the participants are therefore in conformance with the target for this indicator.

Target Achieved	
✓ Yes	No

REVISIONS

An amendment to this legal indicator is needed as the participants cannot reconcile the numbers in the target statement with any of the current layers we have. It cannot be determined how the original numbers were calculated. The Participants have come up with numbers that are close and logical, will propose updating the target statement and documenting new target derivation.



3.43 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.
<p>SFM Objective: Provide opportunities for a feasible mix of timber, recreational activities, and non-timber commercial activities.</p>	
<p>Linkage to FSJPPR: N/A</p>	

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, 2021, to March 31, 2022, Canfor consulted with seven trappers regarding proposed forestry operations. Potential solutions and/or mitigation of concerns were discussed on an individual basis.

During the same reporting period, there were no BCTS, or LP operations conducted in areas where mutually agreed upon action plans were prepared with guides, trappers, or other non-commercial timber interests.

Target Achieved	
✓ Yes	No

REVISIONS

Revisions to this indicator will be undertaken, considering the SFMP #3 approval letter.



3.44 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 ¹⁶ .
SFM Objective: Viable timber processing facilities in the DFA.	
Linkage to FSJPPR: N/A	

Acceptable Variance:

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

Of the 284,406 m³ of BCTS volume that crossed the scales and originated within the DFA, 197,218 m³ (69%) was processed locally.

Table 18 outlines the volume of timber processed at facilities in the DFA in proportion to the entire volume of timber harvested and delivered to processing facilities in the DFA up to and including March 31, 2022.

Table 18: 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 Scaled Volume of Timber Originating Within the DFA and Processed Within the DFA (m ³)	(b/a) % of Total DFA Volume Processed Locally
Conifer volume (m ³)	963,631	911,391	911,391	100%
Deciduous volume (m ³)	692,008	556,889	556,889	100%
BCTS volume (m ³)	284,406	284,406	197,218	69%
All	1,940,045	1,752,686	1,665,498	95%

¹⁶ Indicator as revised in Oct 30, 2005 submission of 2004-2005 Annual Report



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

Most of the timber harvested in the DFA was processed at facilities within the DFA (95%).

Target Achieved	
✓ Yes	No

REVISIONS

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



3.45 FOREST HEALTH FOS PLANNING¹⁷

Indicator Statement	Target Statement
Percentage of significant detected forest health damaging agents which have treatment plans prepared and implemented.	100% of significant detected forest health damaging agents will have treatment plans prepared and implemented within 1 year of initial detection.
<p>SFM Objective: Maintain or enhance landscape level productivity.</p> <p>Maintain a natural range of variability in ecosystem function, composition and structure which allows ecosystems to recover from disturbance.</p>	
<p>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.</p>	

Acceptable Variance:

A 20% variance (i.e., minimum of 80% of significant detected forest health damaging agents) is required in the event some FOS blocks are dropped due to other First Nation, stakeholder, or public interests. A variance of 1 year is permissible to provide for data collection and engagement with forest health specialists, First Nations, stakeholders, and the public.

CURRENT STATUS AND COMMENTS

In the 2021/2022 reporting year there was no large significant forest fire events in which salvage harvesting was completed.

There were no significant detected forest health events in the 2021/2022 reporting year as well.

Participants review FLNRORD'S Aerial Overview Survey (AOS) data each year. While Spruce Beetle remains a concern in the southwest corner of the TSA, AOS data has not identified areas of high level of attack, mostly trace and low, which can be considered endemic.

Canfor set up three areas with spruce beetle (Lindgren) traps to monitor beetle numbers and flight timings throughout May to August 2021 and shared the monitoring results with the local government representative. For the lesser significant amounts that were found within cutblocks a spruce beetle hauling and milling strategy was developed and followed to inform supervisors as to which blocks are at risk of having more than 10% beetle infestation, and when these blocks can be hauled and milled. Five blocks were identified in the 2021 strategy, requiring that the hauling restrictions be followed.

The Participants are in conformance with this indicator.

Target Achieved	
✓ Yes	No

REVISIONS

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

¹⁷ New indicator in 2010- previous # 49 in SFMP # 1 was Harvest Systems which has been deleted



3.46 COORDINATION¹⁸

Indicator Statement	Target Statement
Percentages of SFMP's and FOSs 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., timber supply license (TSL) holders).

CURRENT STATUS AND COMMENTS

FOS amendments continue to be coordinated through a mutual notification protocol. During the 2021-2022 reporting period, FOS 411 amendment was initiated by BCTS and licensee participants. 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 proposed revisions to the indicator statement or target at this time.

3.47 AAC PARTITION – DECIDUOUS PLANNING

¹⁸ The indicator was made a legal indicator in SFMP#2 to emphasize the commitment to coordinated planning by the Participants



Indicator Statement	Target Statement
The volume of deciduous species that has been identified in planned cutblocks in the FOS within the Core partition area.	The Core area will have a maximum of 56% of the total planned deciduous harvest volume identified in the Fort St John TSA area.
SFM Objective:	
Linkage to FSJPPR:	

3.47A AAC PARTITION – DECIDUOUS PERFORMANCE

Indicator Statement	Target Statement
The volume of deciduous species (measured using planning stage block volume data), that has been harvested by the Participants within the Core partition area since May 10, 2018.	On a 3-year rolling basis, deciduous harvest in the Core area will not exceed an average of 512,000 m ³ annually.
SFM Objective:	
Linkage to FSJPPR:	

Acceptable Variance:

Acceptable variance to the annual partition target is 20% in any reporting year, with an acceptable variance of 10% to the 3-year rolling target. Variances account for: reduction in block volume from WTP's, revisions to Old Seral Retention, other retention, VRI inaccuracies, harvest deferrals necessary to address public, First Nation, or stakeholder concerns. This variance allows us flexibility to meet the target with planned blocks in light of the uncertainties inherent in the VRI and harvest scheduling.

If FSJ sawmill is down for greater than six months, conifer blocks contributing deciduous volume will not be tallied. (Incidental deciduous volume within planned conifer blocks will not be tallied because the conifer blocks will not be harvested).

If the harvest planning indicator is not achieved, the Participants have one year to amend the FOS to get it back into compliance.

BCTS volume is considered harvested once the volume has been sold.

CURRENT STATUS AND COMMENTS

The AAC partition was identified May 10, 2018. Harvesting conducted after that date is expected to conform to the non-legal partition. Following is a summary of the Participants' planned harvest opportunities by geographic area and harvest performance as of spring 2022. Table 21 reflects the most up to date FOS block information available, as per FOS Amendment #411.



Table 19: FOS Proposed Deciduous Harvest Geographic Distribution

Deciduous Volume in FOS Blocks not harvested			
Geographic Area	Total Deciduous Volume (m ³)	Mgmt. Unit Proportion of Total TSA Deciduous Volume	AAC Partition Total Harvest Proportion Target
Core	2,044,482	38%	<56.1%
Periphery	3,355,267	62%	>43.9%
FSJ TSA	5,399,749	100%	

The proportion of planned deciduous harvest is within the allowable variance of 10% for this indicator.

Table 20 shows the amount of deciduous harvesting by reporting year that occurred in the DFA since the partition came into effect.

Table 20: FOS Completed Deciduous Harvest Geographic Distribution

Managing Participant	Reporting Period		
	2019-2020	2020-2021	2021-2022
	Core Deciduous Harvest Volume (m ³)	Core Deciduous Harvest Volume (m ³)	Core Deciduous Harvest Volume (m ³)
Canfor	56,620	109,264	79,672
BCTS	106,066	75,882	78,934
LP	0	0	124,230
Total (max. target =512,000m³/yr.)	162,686	185,147	282,836

The total amount of deciduous harvested during the last three years of the partition were below the limit for the Core area. It should be noted that much of this volume was planned and permitted prior to the announcement of the TSR AAC partition.

In August 2019, Louisiana Pacific Canada indefinitely shut down the Peace Valley OSB plant. LP announced the restart of PVOSB in early 2021. Going forward, future deciduous harvest scheduling will be planned individually by Canfor, LP and BCTS for their respective deciduous tenures.

Target Achieved	
✓ Yes	No

REVISIONS

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

3.48 AAC PARTITION – CONIFER PLANNING

Indicator Statement	Target Statement
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The volume of conifer species that has been identified in planned cutblocks in the FOS within the Core partition area.	A) In the Core area non spruce conifer species will comprise, a minimum of 50% of the total planned conifer harvest volume. B) The Core area will have a maximum of 56% of the total planned conifer harvest volume identified in the Fort St John TSA area.
SFM Objective:	
Linkage to FSJPPR:	

3.48A AAC PARTITION – CONIFER HARVEST PERFORMANCE

Indicator Statement	Target Statement
The volume of conifer species (measured using planning stage block volume data), that has been harvested by the Participants within the Core partition area since May 10, 2018.	On a three-year rolling average: A) Conifer harvest in the Core area will not exceed an average of 672,000 m ³ annually. B) In the Core area non spruce conifer species will comprise, a minimum of 50% of the total conifer volume harvested by the Participants.
SFM Objective:	
Linkage to FSJPPR:	

Acceptable Variance:

Acceptable variance to the annual partition target is 20% in any reporting year, with an acceptable variance of 10% to the 3-year rolling target. Variances account for: reduction in block volume from WTP's, revisions to Old Seral Retention, other retention, VRI inaccuracies, harvest deferrals necessary to address public, First Nation or stakeholder concerns. This variance allows flexibility to meet the target with planned blocks in light of the uncertainties inherent in the VRI and harvest scheduling.

If PVOSB mill is down for greater than six months, deciduous blocks contributing conifer volume will not be tallied. (Incidental coniferous volume within planned deciduous blocks will not be tallied because the deciduous blocks will not be harvested.)

If the harvest planning indicator is not met, the Participants have one year to amend the FOS to get it back into compliance.

BCTS monitoring, volume is considered harvested once the volume has been sold. This indicator is to be reviewed after the next Timber Supply Review (TSR) to ensure continued relevance to the new TSR.



CURRENT STATUS AND COMMENTS

The AAC partition was identified May 10, 2018. Harvesting conducted after that date is expected to conform to the non-legal partition. Following is a summary of the Participants' planned harvest opportunities by geographic area and harvest performance as of spring 2022. Table 23 reflects the most up to date FOS block information available, as per FOS Amendment #411.

Table 21: FOS Proposed Conifer Harvest Geographic Distribution

Geographic Area	Conifer Volume in FOS Blocks not harvested					
	Spruce Volume (m ³)	Total Conifer volume (m ³)	Spruce Proportion of Total Mgmt. Unit Conifer Volume	Partition Area Proportion of Total TSA Conifer Volume	Core Target Spruce Proportion	TSA Total Harvest Target Proportion
Core	2,279,674	3,378,269	67%	57%	<50.1%	<56%
Periphery	3,907,230	5,533,881	33%	43%	N/A	>44%
FSJ TSA	6,186,904	8,912,150	100%	100%	N/A	N/A

The participants were within the variance for conifer volume planned in the Core, however, are not meeting the target or variance for spruce in these planned blocks. Therefore, the participants did not meet this indicator for the report period.

Table 22: FOS Completed Conifer Harvest Geographic Distribution

Managing Participant	Reporting Period					
	2019 - 2020		2020 - 2021		2021-2022	
	Core Total Conifer Harvest Volume (m ³)	Core Spruce Harvest Volume (m ³) & Proportion of Total Core Conifer Harvest (%)	Core Total Conifer Harvest Volume (m ³)	Core Spruce Harvest Volume (m ³) & Proportion of Total Core Conifer Harvest (%)	Core Total Conifer Harvest Volume (m ³)	Core Spruce Harvest Volume (m ³) & Proportion of Total Core Conifer Harvest (%)
Canfor	233,536	142,024 (61%)	607,843	379,680 (62%)	324,152	236,603 (73%)
BCTS	346,350	226,822 (65%)	197,824	150,042 (76%)	235,618	171,536 (73%)
LP	0	0	0	0	21,819	21,165 (97%)
Total (max. target is 672,000m³/yr.)	579,886	368,845 (64%)	805,667	529,722 (66%)	581,589	429,304 (74%)

The volume of conifer harvested in the last three years of the partition was within the variances allowed for conifer volume harvested in the core area (10% overall and 20% in any individual year). The total conifer volume harvested in the core area for the last three years was 1.97 million m³. The overall % of spruce in the core was 67.5% which is over the target of 50% and over the allowed variance (at 55%). It should be noted that much of this volume was planned



and permitted prior to the announcement of the TSR AAC partition, and that the Participants had very few harvesting options in the Core area following the Yahey vs. BC decision in 2021. The Participants are making efforts to bring more non-spruce timber into their operational plans, especially in the Core area. As the participants did not meet the spruce % target for the reporting year, the target was not achieved.

Target Achieved	
Yes	<input checked="" type="checkbox"/> No

REVISIONS

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



3.49 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, 2016 - Dec 31, 2021: 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 <i>FSJPPR</i> : 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

Table 23, Table 24, and Table 25 identify the volume harvested by the Participants during the monitoring period established for this indicator.

Table 23: Licensee Conifer License AAC (2016-2021)

Licensee	AAC (m ³)	Planning Period Cumulative Volume AAC (m ³)	Volume Harvested (m ³) by Year						Total Volume Harvested (m ³)
			2016	2017	2018	2019	2020	2021	
Canfor A18154	394,952	2,369,712	488,560	764,245	275,920	348,525	510,095	196,849	2,584,194
DZ A56771	150,000	900,000	175,712	0	226,995	35,342	28,936	89,394	556,379
CRL A59959*	70,000	70,000	59,223	Exp	Exp	Exp	Exp	Exp	59,223
MPMC A60972	83,494	500,964	54,890	59,510	169,100	93,041	40,929	83,494	500,964
Total	698,446	3,840,676	778,385	823,755	707,801	588,701	579,960	369,737	3,700,760
Maximum Cumulative AAC (m³)			4,224,744						
* A59959 expired in 2016. The cumulative AAC has taken this into account									
Maximum cumulative AAC = 110% of cumulative AAC									



Table 24: Licensee Deciduous License AAC (2016-2021)

Licence	AAC (m ³)	Planning Period Cumulative Volume AAC (m ³)	Volume Harvested (m ³) by Year						Total Volume Harvested (m ³)
			2016	2017	2018	2019	2020	2021	
LP A60049	193,000	965,000	334,534	155,573	205,630	21,742	0	156,543	874,022
PVOSB A85946	150,000	750,000	-1,789	347,312	341,997	90,604	0	Exp	778,124
Canfor / LP PA 12 & 20*	500,000	3,000,000	29,771	12,935	150,888	0	0	10,295	203,889
Total	843,000	4,715,000	362,516	515,820	698,515	112,346	0	10,295	1,699,492
Maximum Cumulative AAC (m³)			5,186,500						
<p><i>*In 2013 PA 12 was subdivided creating PA 20. Combined AAC of the 2 PAs remains unchanged at 500,000 m³. Volume is based on deliveries to the three facilities in the DFA.</i></p>									
Maximum cumulative AAC = 110% of cumulative AAC									

Table 23 and Table 24 reflect adjusted volumes found in the most recent cut control statements. Annual adjustments can occur in each license. Therefore, volumes reported in the annual report may not reflect previous annual reports.

Table 25: BCTS Volume Allotment (2017-2021)

Species	AAC (m ³)	Planning Period 6-year cumulative volume commitment offered for sale (m ³)	Volume Offered for Sale by Calendar Year (m ³)					Total Volume Offered (m ³)
			2017	2018	2019	2020	2021	
Conifer	372,059	2,232,354	293,742	524,095	598,016	402,379	148,550	1,966,782
Deciduous	180,000	1,080,000	92,486	215,761	0	0	0	308,247
Maximum cumulative coniferous AAC			2,455,589					
Maximum cumulative deciduous AAC			1,188,000					
Maximum cumulative AAC = 110% of cumulative AAC								



Fort St. John Pilot Project 2021-2022 SFMP Annual Report

The annual BCTS coniferous allotment for 2021/2022 was 372,059 m³. Between April 1st, 2021, and March 31st, 2022, BCTS offered 100,904 m³ (27%) of the annual allocation. Of the 100,904 m³ offered, 4 TSL's with a volume of 68,732 m³ was sold.

The annual BCTS deciduous allotment in 2021/22 was 180,000 m³. Between April 1st, 2021, and March 31st, 2022, BCTS offered 0 m³ (0%) of the annual allocation. Although the Peace Valley OSB plant restarted operations in February 2021, the rationalized apportionment for BCTS deciduous volume had already been set to zero. Nevertheless, any further attempt to change the sales schedule mid-stream was further thwarted by the Yahey vs Province of British Columbia landmark decision.

2021 represents the final year in the 6-year cumulative cut review period, which concluded December 31, 2021. Although the cut over the 6-year span was above the allotment for A18154, it is within the 10% variance. The reason is that the cut control period for this indicator does not align with the legal cut control period for each license. In this case, the legal cut control period for A18154 ended in 2017 and a new 5-year period started in 2018. At the date of this report this license is on track to be below the AAC total at the end of 2022.

During the reporting period, LP blocks produced scaled volume of 100,170 m³ of deciduous volume and 56,373 m³ of coniferous volume.

Neither LP nor Canfor have received cut control statements from the government for 2021, so the numbers above are based on the volume delivered to scale.

Target Achieved	
✓ Yes	No

REVISIONS

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



3.50 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

Table 26 outlines local expenditures by woodlands phase, and performance of the participants relative to the targets for this reporting period.

Table 26: Dollars Spent Locally by Woodlands Phase (2021-2022)

Combined BCTS, Canfor and LP Phases	Total Dollars Spent (\$)	Total Dollars Spent Locally (\$)	Percentage of Dollars Spent Locally (%)	Indicator Target Percent (%)
Logging and hauling	74,498,080.28	66,840,755.59	89.7%	80%
Road construction and maintenance	5,327,053.37	5,014,179.82	94.1%	80%
Silviculture	13,716,036.57	1,308,779.40	9.5%	5%
Planning and administration	10,370,210.89	8,251,174.59	79.6%	50%
Total	103,911,381.11	81,414,889.40	78.4%	-

All four phases met the minimum targets for dollars spent locally. Approximately 78.4% of all expenditures were made locally.

Target Achieved	
✓ Yes	No

REVISIONS:

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



3.51 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

The following indicators are pertinent to the maintenance of wildlife and fisheries habitat and used to measure the effectiveness of the Participants habitat management practices:

Ecosystem and Species Diversity Indicators supporting hunting and trapping opportunities:

- 6.1 Forest Types
- 6.2 Seral Stages
- 6.3 Patch Sizes
- 6.5 Snags/Cavity Sites
- 6.6 Coarse Woody Debris Volume
- 6.7 Riparian Reserves
- 6.8 Shrubs
- 6.9 Wildlife Tree Patches
- 6.11 Species at Risk Stand Level Management Guidelines
- 6.22 Riparian Corridors

Water Quality and Quantity Indicators supporting fishing opportunities:

- 6.34 Peak Flow Index
- 6.35 Water Quality Concern Rating
- 6.36 Protection of Streambanks and Riparian Values on Small Streams
- 6.37 Spills Entering Waterbodies

Indicator 6.5 Snags/Cavity Sites, Indicator 6.6 Coarse Woody Debris Volume and Indicator 6.22 River Corridors contribute to furbearer management, ensuring furbearer habitat and travel corridors are protected at the stand and landscape levels.

Participants refer SFMPs, FOSs and PMPs to affected First Nations for review and comment on how the plans may impact the First Nations’ ability to practice the Treaty rights to hunt, fish and trap. In many cases, First Nations are not able to provide site-specific comment regarding the impact of these plans on their ability to practice their treaty rights.



Where site-specific comments are provided, Participants may be able to mitigate the impact of planned activities on treaty rights by modification of planned activities. In situations where no site-specific comments are provided, it is felt that the positive management of the indicators pertinent to some of the elements that support the practice of treaty rights will result in continued opportunities for First Nations to practice treaty rights to hunt, fish, and trap.

During the period of April 1, 2021, to March 31, 2022, the Participants were not in conformance with 3 of the 14 related indicators, which include indicators 2, 5, 8 (see the respective indicator section for details).

Target Achieved	
Yes	✓ No

REVISIONS

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



3.52 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, 2021, and March 31, 2022, opportunity for First Nations to provide information on site-specific values to the participants was available through the formal processes of Notice of Intent to Treat (NIT) 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.

Canfor has assessed blocks based off their updated decision matrix for brushing activity treatments which has resulted in Canfor reducing their herbicide usage significantly in preference for using manual brushing. For this reporting period, Canfor has performed or has scheduled manual brushing for majority of the blocks that were put forth in the 2021 NIT. Canfor received comments from First Nation bands regarding the identification of site-specific values in response to the 2021 NIT. Canfor flew blocks proposed for herbicide treatment with First Nations as well as visited a First Nations Band. concerns addressed during this consultation resulted in several blocks being dropped from herbicide treatment. A request to protect the integrity of moose habitat values on numerous blocks was implemented that included an enlarged buffer extending from the standing timber boundary maintained as an edge effect to allow for species such as willow, alder, and red-osier dogwood as well as aspen and cottonwood species established within this area to continue to provide browse opportunities for moose.

Of the 82 Canfor blocks that were permitted, Canfor provided mitigation tables for all 82 blocks to address First Nations concerns.

Canfor completed 1 Archaeological Overview Assessment (AOA) which identified 107 areas of potential (AOP). From the AOA process, 46 Archaeological Impact Assessments (AIA) were completed. One new Archaeological site was identified from the AIAs and several of the AOPs were verified as having no arch potential. The arch site was removed from the harvest area. All AOPs not tested were either removed from the harvest area, placed in a machine free zone, or harvested under frozen conditions, in line with recommendations from the AIA. Due to a longer than usual wait time to have permits approved by the government Arch Branch, Preliminary Field Reconnaissance (PFR) were conducted which identified another 61 AOPs.

Canfor also participated in multiple field visits with Doig River First Nations and Halfway River First Nations to gain better understanding of the traditional site-specific Aboriginal values, and as a result, multiple changes were made to blocks.



BCTS did not implement an herbicide program during the reporting period April 1, 2021, to March 31, 2022, therefore a Notice of Intent to Treat referral process was not initiated.

Of the 38 BCTS blocks harvested during the reporting period, 38 had commitments made through the Harvest Authorization process to address First Nations concerns. BCTS upheld 88.2% of these commitments. The commitments that were not upheld were related to levels of mature tree retention that were not sufficient.

During the reporting period April 1, 2021, to March 31, 2022, BCTS commissioned one hundred and thirty (130) archaeological overview assessments (AOA) which identified one hundred and five (105) cut blocks that would require a preliminary field reconnaissance (PFR). Of the one hundred and five (105) cut blocks identified as requiring a PFR, no cut blocks were reviewed in the field due to Blueberry River First Nation vs the province litigation. Subsequently no areas of potential (AOP) were identified, and no cut blocks had the archaeological impact assessment (AIA) completed. During the subsequent reporting period, April 1, 2022- March 31, 2023, development will continue on these one hundred and five (105) cut blocks identified as requiring a PFR. Existing known archeological sites were protected in a Wildlife Tree Patch (WTP) or delineated from the harvest area. For the other areas of potential, BCTS has committed to harvest these areas in frozen ground conditions or suitable deep snowpack. Also, no roads are to be constructed within 20m of these identified areas.

LP harvested 13 blocks during the reporting period, 3 blocks had Archaeological Impact Assessments (AIA) completed. All archeological sites were either excluded from the block boundary or protected by a WTP. There was a total of 52 Areas of Potential (AOPs) identified during the AIAs and these were all protected from disturbance through block exclusion, inclusion in a WTP, or Machine Free Zone flagging. Comments were provided by First Nations for all 12 blocks which resulted in mitigation strategy prescriptions in all Site Level Plans.

LP also completed several site visits with various First Nations bands and participated in a collaborative block development approach on a test block. This resulted in a harvested block that incorporated First Nation traditional values focusing on wildlife and habitat protection.

Since less than 100% of known traditional site-specific values and uses identified were addressed in operational plans, this indicator was not met for the reporting period. BCTS will be reviewing the errors made in upholding commitments in the operational plans that were reported as not met and coming up with an action plan to support improvement in this area.

Target Achieved	
Yes	✓ No

REVISIONS

No revisions to the target or indicator suggested, however some clarity on wording for this indicator defining what constitutes a “known traditional site-specific aboriginal value” is required. In the approved SFMP it is suggested this is more or less an arch or traditional use site, but the Participants have been reporting on all site-specific commitments made for First Nations.



3.53 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 <i>FSJPPR</i> : 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 two cases in which the Participants were required to follow the formal Public Review and Comment Process identified in the *Fort St. John Pilot Project Regulation*.

The Licensee Participants initiated a public review regarding amendment #411 to the Forest Operations Schedule. The review and comment period for FOS amendment # 411 was between January 20, 2022, and March 21, 2022. The amendment proposal was advertised in the Alaska Highway News in a form acceptable to the District Manager of the Ministry of Forests, Lands, and Natural Resource Operations.

After the reporting period, the Licensee Participants received the report of an audit conducted by KMPG to examine their compliance with the *Fort St. John Pilot Project Regulation, as per Section 50 of the Regulation*, between the period of April 1, 2019, and March 31, 2021; The results of the audit will be reviewed with the Public Advisory Group at the earliest opportunity.

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 the indicator statement or target at this time.



3.54 TERMS OF REFERENCE (TOR) FOR PUBLIC PARTICIPATION PROCESSES

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

Acceptable Variance:

The TOR will be reviewed every second year (in even years). Due to the timing of meetings and scheduling, the TOR review may not be in the same month each year.

CURRENT STATUS AND COMMENTS

The Public Advisory Group and the Pilot Project Participants biennial review of the FSJPP Terms of Reference was conducted Oct. 15, 2020. The next review is planned for the fall of 2022. The complete Terms of Reference is located on the pilot project website: (<http://fsjpilotproject.com>). The participants are in conformance with the target for this indicator.

Target Achieved	
✓ Yes	No

REVISIONS

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



3.55 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.
<p>SFM Objective: To facilitate a satisfactory public participation process.</p> <p>Relevant information used in decision making process is provided to PAG, general public and affected parties.</p>	
Linkage to FSJPPR : N/A	

Acceptable Variance:

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

CURRENT STATUS AND COMMENTS

The participants received 15 public inquiries during the reporting period. The nature of the inquiries and a general summary of response for each follows below.

During the 2021-2022 reporting period Canfor received the following inquiries:

- 7 inquiries from trapline tenure holders were received.
- 0 inquiries from range tenure holders were received.
- 1 inquiry from guide outfitters were received.
- 5 inquiries from the general public were received.

In all instances, Canfor responded to the inquiry as soon as possible and always within one month of receipt.

During the 2021-2022 reporting period, BCTS received one inquiry from a trapline tenure holder which was responded to within a month of receipt.

LP had one inquiry from the public, specifically a First Nation, about the identity of a layout crew. Staff responded to the inquiry and provided the requested information.

All inquiries received by the participants during the reporting period were responded to within one month of the receipt; therefore, the participants are in conformance with this indicator.

Target Achieved	
✓ Yes	No

REVISIONS

There are no proposed revisions to the indicator statement or target at this time. Note that inquiries related to the FOS, SFMP, or PMP received during established review and comment periods fall under indicator 58 (Section 3.58 of this document), and not measured here.



3.56 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

On April 22nd, 2021, Canfor employees facilitated a *Nature Scavenger Hunt* for Earth Day in the city of Fort St. John, BC. Participants had an opportunity to learn more about a subset of the known 250 avian species occupying portions of their lifecycle in the Peace Region. It is not known how many people this effort reached.

BCTS delivered a presentation on mixed-woods and silvicultural practices in the north during the Northern Silviculture Committee (NSC) webinar on November 4, 2021. Approximately 200 people were in attendance.

LP did not participate in any educational outreach during the reporting period.

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

Target Achieved	
☑ Yes	No

REVISIONS

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



3.57 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 the 2021-2022 reporting period, Canfor had originally proposed to herbicide 3,412.8 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 herbicide program was reduced to a total of 802.9 ha treated. This reflects that 23.5% of the total area originally planned for treatment was removed from the final treatment area.

BCTS did not complete any aerial herbicide treatments. This was largely due to the fact that a new Pest Management Plan could not be prepared and consulted on to form the foundation for any annual notice of intent to treat plans in 2021.

LP PVOSB did not use aerial herbicide treatments between in Apr 1, 2021- Mar 31, 2022.

Table 27: Herbicide Area Removal

Number of Hectares Removed Annually from Plan			
Participant	Notification of Intent to Treat (NIT) (ha)	Remaining Area Post-Input from First Nation and Public and Final Layout (ha)	Final Treatment Area Reported (ha)
BCTS	0	0	0
Canfor	3,412.8	802.9	802.9
Total	3,412.8	802.9	802.9

Target Achieved	
✓ Yes	No

REVISIONS

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



3.58 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:

The acceptable variance is 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

Members of the Public Advisory Group and PAG advisors were invited to complete an anonymous survey regarding satisfaction with the public participation process. Three PAG members responded, the results indicated an 81% average score. 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 proposed revisions to the indicator statement or target at this time.



3.59 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:

None.

CURRENT STATUS AND COMMENTS

The 2020/2021 SFM Annual Report was posted to the Fort St. John Pilot project website and to the Canfor external website, for access to the public. Copies of the 2020/21 SFM Annual Report were also provided to the Fort St. John Public Advisory Group and the MFLNRORD.

Target Achieved	
✓ Yes	No

REVISIONS

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



3.60 DELETION TO FOREST AREA

Indicator Statement	Target Statement
Percentage of the gross crown forest land base in the DFA converted to non-forest land use through forest management activities of the participants during the term of SFMP# 3.	Less than 0.6% of the gross crown forest land base in the DFA will be converted to non-forest land use through forest management activities of the participants during the term of SFMP# 3.
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 Timber Supply Review for the Fort St John Timber Supply Area was completed in May 2018. The TSR determined that the total area of the Fort St John TSA is 4,676,602 hectares. Of the total TSA area, about 2,791,340 hectares (58%) is classified as productive Crown Forest Land Base (CFLB).

Since the implementation of forest management activities under SFMP #3, the participants have constructed a total of 987.8 kilometers of new roads as identified in Table 28. The Participants assumed an average disturbance width of 20 meters in calculation of area disturbed due to permanent access construction. The 987.8 kilometers of roads equate to 1,975.4 ha or 0.071% of the crown forest land base disturbed by the Participants up to and including March 31, 2022. The percent of CFLB disturbed by the Participants exceeds the target level of the indicator, however, is within the tolerance of the 0.2% variance and is, therefore, in conformance with this indicator.

Table 28: Road Area Constructed by Managing Participants since 2018 under SFMP # 3

	2018 (m)	2019 (m)	2020 (m)	2021 (m)	Total Length (m)	Total Area (ha)
Canfor	251,723	100,970	138,424	136,246	627,363	1,254.7
BCTS	67,175	57,973	133,834	62,038	321,020	642.0
LP	*	*	*	39,434	39,434	78.7
Total	318,898	158,943	272,258	237,718	987,817	1,975.40
*LP values for 2018-20 included in Canfor totals						

Target Achieved	
✓ Yes	No

REVISIONS

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

3.61 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 this indicator will begin with cut blocks harvested after April 1, 2015.

For blocks with a harvest completion date between April 1, 2021, and March 31, 2022, the participants had the following results:

Canfor had three blocks with potential rare eco identified in a geographic information system (GIS) query. These three blocks were assessed in the field, and areas of rare eco were found not to exist within the harvest area.

BCTS had 3 blocks with potential rare eco identified in a GIS query. Both blocks were assessed in the field and no rare ecotypes were found.

LP did not harvest any blocks during the reporting period with potential or identified rare ecotypes.

Target Achieved	
✓ Yes	No

REVISIONS

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



3.62 EFFECTIVE COMMUNICATION – NON-TIMBER RESOURCES

Indicator Statement	Target Statement
Evidence of communication and consideration of non-timber resources into forest management planning.	100% of non-timber resource values, identified through communication, have been responded to and considered and may be accommodated in forest management plans.
SFM Objective: Ongoing communication and meaningful engagement with stakeholders regarding non-timber forest benefits.	
Linkage to FSJPPR: N/A	

Acceptable Variance:

Variances are permissible only on reaching mutual agreement between the affected stakeholder and Participant.

CURRENT STATUS AND COMMENTS

FOS amendment 411 was prepared by the Participants and subsequently info-shared with the available contact information for potentially affected persons. This includes trapline tenure holders, range tenure holders, guide outfitters, First Nations communities, and other interested individual stakeholders

Canfor:

During the annual reporting period between April 1, 2021, to March 31, 2022, Canfor responded to, considered, and/or accommodated 13 inquiries and requests from stakeholders. Notification and Intent to Treat (NIT) Brushing/Silviculture activities were info-shared with 81 stakeholders.

BCTS:

Between April 1, 2021, and March 31, 2022, BCTS responded to, considered, and accommodated an inquiry from one stakeholder. BCTS did not complete any Brushing or Silviculture activities for which a Notification and Intent to Treat would have been required during the reporting period.

LP:

Had no additional communication outside of FOS amendment 411 communications.

Target Achieved	
✓ Yes	No

REVISIONS

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



3.63 EFFECTIVE COMMUNICATION – ABORIGINAL COMMUNITIES

Indicator Statement	Target Statement
Evidence of ongoing communication with Aboriginal communities and consideration of information gained.	100% of information on aboriginal titles and rights, identified through on-going communication with Aboriginal communities, has been responded to and considered and may be accommodated in forest management planning.
SFM Objective: Ongoing communication and meaningful engagement with First Nations.	
Linkage to FSJPPR: N/A	

Acceptable Variance:

No acceptable variance.

CURRENT STATUS AND COMMENTS

Canfor has initiated bi-annual meetings with Treaty 8 First Nations to facilitate better info sharing and communication of Canfor’s field layout operations and harvesting activities. Info-sharing packages were sent to 9 First Nations during the 2021-2022 reporting period. Canfor regularly engages with local First Nations to discuss concerns, comments, and potential solutions to be considered and/or incorporated into future plans.

Notification and Intent to Treat (NIT) brushing/silviculture activities were info-shared with 9 potentially affected First Nations.

BCTS contacted 8 First Nation groups with a sales schedule notification and held two meetings to discuss concerns. Outside of the sales schedule notification process, BCTS held one additional meeting with a First Nations group to discuss harvest plans. All communication and concerns received from First Nations are responded to and considered for accommodation into forest management planning.

BC Timber Sales did not complete any Brushing or Silviculture activities for which a Notification and Intent to Treat would have been required during the reporting period between April 1, 2021, and March 31, 2022.

LP conducts regular meetings with 2 First Nation bands to communicate operational plans and to discuss block specific concerns. A field tour with First Nations community members was also completed during the reporting period.

Target Achieved	
✓ Yes	No

REVISIONS

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



3.64 RESIDUAL FIBRE UTILIZATION

Indicator Statement	Target Statement
The volume of residual fibre that is being utilized for products other than lumber and oriented strand board production.	Report out annually on the volume of residual fibre utilized by facilities in the production of commodities other than lumber and oriented strand board.
SFM Objective:	
Linkage to FSJPPR:	

Acceptable Variance:

No variance.

Current Status and Comments

The chip and pulp log demand continued to be dynamic and difficult to predict. In early 2022 Canfor Pulp announced the curtailment of production at the Taylor Pulp mill due to challenges in transportation and global supply chain. Up to that point Taylor Pulp was taking regular shipments of chips from the Fort St. John sawmill. As of September 2022, the Taylor mill was still curtailed. Chips from the Fort St. John sawmill have been diverted to other pulp mills. Canfor did not supply round log volume to the Taylor Pulp mill during the reporting period.

Residual fibre produced by sawmills, essentially non-lumber products, includes bark ('hog'), sawmill chips, planer chips, and sawdust. At the Canfor Fort St. John plant, all these residuals are utilized, with the majority of the products directed to one of the following ways:

- used on-site for conversion to heat energy for use in the dry kilns,
- transferred to the CENLP¹⁹ plant for pellet production,
- transferred to the Taylor Pulp Mill or other pulp mills,
- sold to 3rd party businesses for use in oil/gas reclamation programs.

The following table shows the mass in Oven-dried Tonnes (ODT) of material directed to Taylor Pulp, the Fort St. John Pellet plant, and for heat-generation on site.

Table 29 Oven-dried Tonnes (ODT) of Material

Residual	Mass (ODT)
Pulp fibre (sawmill chips)	95,806
Pellet stock (planer chips/sawdust/hog)	64,564
Energy plant stock (sawdust/hog)	48,959

Canfor has and continues to seek expressions of interest from other potential users of the residual fibre generated from timber harvesting and saw milling activities.

During the 2021-2022 reporting period, LP utilized all its residual fibre from bark, sawdust, and subgrade chips as hog fuel to produce heat for the OSB process. The amount is 64,068 odt.

Target Achieved	
✓ Yes	No

REVISIONS

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

¹⁹ Canfor Energy North Limited Partnership



4. SUMMARY OF ACCESS MANAGEMENT

Table 30 represents a summary of access construction activities by participant:

Table 30: Summary of Participants' Road and Bridge Construction Activities

Steward	Bridge Construction	New Construction or Subgrade (meters)	Reconstructed or Reactivated (meters)	Surfacing (meters)	Grand Total (meters)
BCTS	0	60,362	757	0	61,119
Cameron River	0	0	0	0	0
Canfor FSJ	17	117,262	4,850	13,208	135,320
LP	0	30,456	21,779	0	52,235
Chetwynd Mechanical Pulp	0	0	0	0	0
Dunne Za	0	247	0	0	247
Grand Total	17	208,327	27,386	13,208	248,921

The Licensee Participants and BC Timber Sales access management activities for the period April 1, 2021, to March 31, 2022, are detailed in **Appendix 3 – Access Management**.



5. SUMMARY OF TIMBER HARVESTING

Table 31: Summary of Timber Volume Harvested by License in 2021-2022

Participant/Licensee	Conifer Licensee Volume Harvested (m³)	Deciduous Licensee Volume Harvested (m³)
Canfor - A18154	256,329	0
DZ - A56771	139,707	0
MPMC - A60972	8,570	0
LP - A60049	0	178,434
PVOSB - A85946	0	0
LP - PA 20	0	0
Canfor - PA 12	0	0
BCTS	281,092	0
Total	685,698	178,434

Table 32 Summary of Harvested Area by License in 2021-2022

Participant/Licensee	Gross Area (ha)	Merch Area (ha)
Canfor - A18154	1,635.9	1,303.2
DZ - A56771	702.8	574.6
MPMC - A60972	22.9	16.1
LP - A60049	1,061.7	871.0
PVOSB - A85946	0	0
LP - PA 20	0	0
Canfor - PA 12	0	0
BCTS	1,101.8	945.3
Total	4,525.1	3,710.2



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 4 - Reforestation**. BCTS results are shown separately from other Licensee results.

Mixedwood Management

The commitment for the term of SFMP #3 regarding 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.

SFMP #2 – Licensees holding BCTS tenures harvested 15,224.3 ha of forested lands since the start of SFMP #2 to the end of the 2017 annual reporting period. Of this area, 2284.4 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 228 ha of harvested area as a minimum commitment to manage towards intimate mixtures. Currently BCTS has designated a total of 445.5 ha as intimate mixtures, which is 19% of the mixedwood allocation area. This demonstrates that BCTS is currently managing 9% (or 217.5 ha) above the 10% target over the term of the SFMP.

Licensee Participants

SFMP #1-Licensees harvested 55,079 ha of forested lands over the period of SFMP #1. Of this area, 10,884.3 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 1088.4 ha of harvested area as a minimum commitment to manage towards intimate mixtures. Currently participants have designated a total of 1312.5 ha as intimate mixtures, which is 12.05% of the mixedwood allocation area. This demonstrates that the licensee tenures are currently 2.05% (or 224.1 ha) above the 10% target over the term of the SFMP.

SFMP #2 – Licensees harvested 29,396.8 ha of forested lands since the start of SFMP #2 to the end of the 2017 annual reporting period. Of this area, 12,646.4 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 1264 ha of harvested area as a minimum commitment to manage towards intimate mixtures. Currently participants have designated a total of 1775.6 ha as intimate mixtures, which is 14% of the mixedwood allocation area. This demonstrates that the licensee tenures are currently 4% (or 511.6 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, 2021, and March 31, 2022, by the Participants.

8. SUMMARY OF ANY VARIANCES GIVEN

There were no variances given or received between April 1, 2021, and March 31, 2022.

9. COMPLIANCE

9.1. CONTRAVENTIONS REPORTED

The licensee participants reported 0 contraventions between April 1st, 2021, and March 31st, 2022, to government agencies (MFLNRORD).

Licensee participants received 0 notification of non-compliances by government agencies (MFLNRORD) between April 1st, 2021, and March 31st, 2022.

BCTS reported 0 contraventions between April 1st, 2021, and March 31st, 2022.

BCTS received 0 notifications of non-compliances by government agencies (MFLNRORD) between April 1st, 2021, and March 31st, 2022.

A description of the contraventions reported can be found in **Appendix 5 – Compliance**.

9.2. COMPLIANCE AND ENFORCEMENT MEASURES IMPOSED BY THE GOVERNMENT UNDER PART 6 OF THE ACT

There were no compliance and enforcement penalties imposed or measures taken on licensee participants by the government under Part 6 of the Forest Practices Code of B.C. Act for activities completed between April 1st, 2021, and March 31st, 2022.

There were no compliance and enforcement penalties imposed or measures taken on BCTS by the government under Part 6 of the Forest Practices Code of B.C. Act between April 1st, 2021, and March 31st, 2022.



10. AMENDMENTS TO FDP'S OR FOREST OPERATIONS SCHEDULE

Table 33 is a summary of amendments for which notice was not required to be published, that were made from April 1, 2021, to March 31, 2022.

**Table 33: Summary of FOS Amendments with No Publication Requirement
(April 1, 2021 – March 31, 2022)**

Plan	License	Amendment ID	Date	Block/Road	Amendment Description	MOF Notified of Change
FOS	Canfor	406	July 22, 2021	01168, 01169, 01170, 10187, 10364, 12106, 12119	01168 was split into 01168, 01169, and 01170. 10187 was split into 10187 and 10364. 12106 was split into 12106 and 12119.	July 22, 2021
FOS	Canfor	407	August 19, 2021	08054, 08061, 08181	08061 was combined with 08054. 08061 was split into 08061 and 08181.	August 19, 2021
FOS	Canfor	408	August 26, 2021	46005, 46006, 46007	46005 was split into 46005, 46006, and 46007.	August 26, 2021
FOS	Canfor	409	August 26, 2021	21129, 21132, 21021, 21150	21132 was split into 21132, 21181, and 21213. Part of 21021 is included in 21021. 21129 was split into 21129, 21150, and 21204.	August 26, 2021
FOS	BCTS	410	August 31, 2021	10074, 10403	10403 was split from 10074.	August 31, 2021
FOS	BCTS	412	September 20, 2021	10077, 10087, 10086, 10287, 10095, 10340, 19105, 19125, 49009, 49011, 49009, 10062, 10404, 10405, 10364, 10077	10077, 10087, and a portion of 10086 were combined into 10077. 49009 was split into 49011 and 49009. 10062 was split into 10062, 10404, and 10405. 10086 was split into 10364 and a part of 10077.	September 20, 2021
FOS	BCTS	413	September 20, 2021	15112, 15113, 05114, 05115, 05116, 05117, 05118, 43074, 43075, 43080, 36076, 36073, 36111, 45055, 45033, 09148, 45096, 05151, 10059, 45014	05113, 05114, 05115, 05116, 05117, and 05118 were merged with 05112. 43074 and 43075 were merged with 43073. 43080 was merged with 43079. 36076 and part of 36073 were merged with 36075. 36111 was merged with 36084. 45055 was merged with 45027. 45033 was merged with 45032. 09148 was split into 09148, 09187, 09189, and 09190. 45096 was split into 45096 and 45118. 05151, 10059, and 45014 were increased in size.	



Table 34 is a summary of major amendments made from April 1, 2021, to March 31, 2022 that went through the formal public review process.

Table 34: Summary of FOS Amendments with Publication Requirement (April 1, 2021 – March 31, 2022)

<u>Plan</u>	<u>Licence</u>	<u>Amendment ID</u>	<u>Date</u>	<u>Block / Road</u>	<u>Amendment Description</u>	<u>MOF Notified of Change</u>
FOS	BCTS/C anfor/LP	411	March 21, 2022		Major amendment containing 604 blocks and 332 roads in 12 operating areas. Revisions to 5 blocks and 2 roads in 4 operating areas. Redistribution of OFMAs in 7 operating areas.	August 22, 2022

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 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 #3 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 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 SFMP #3

Table 35 offers a summary of the Landscape Level Strategies and related performance indicators, as identified in the Amendment 1 of SFMP#3 document and replaces Table 8 of the original SFMP#3. The amendment was approved by government April 19, 2021.



Table 35: Landscape Level Strategies and Related Performance Indicators (effective April 1, 2020)

SFMP #3 Landscape Level Strategy	Performance Indicators		
	Affecting Part 3 Division 5 of the <i>FSJPPR</i> (Indicator #) ²⁰	For Evaluation of LLS - Sec 42 of <i>FSJPPR</i> (Indicator #) ²¹	Additional - not for regulatory approval (Indicator #)
Timber Harvesting	N/A	18, 19, 20, 21, 46, 47, 47a, 48, 48a	27, 49, 64
Road Access Management	24	24, 42	37
Riparian Management	7, 22	7, 22, 33, 35	
Range and Forage Management	N/A	10, 42	41
Patch Size, Seral Stage Distribution and Adjacency	6, 9	2, 3, 6, 9	
Forest Health Management	N/A	1, 2, 3, 13, 25, 45	26
Reforestation	13, 29	13, 28, 29, 30	14
Soil	N/A	4	
Visual Quality Management	41	41	

The following section contains a summary of the degree to which the Participants achieved the indicators linked to each of the Landscape Level Strategies:

11.50 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 Graham Resource Integrated Management Plan (GRIRMP) 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 (Section 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.

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 ended in April 2012. The third period concluded April 2017. The fourth period will conclude April 2022. Since the beginning of period 2 up until March 31, 2021, no harvesting has occurred in the Graham. The participants are therefore consistent with the indicator's targeted range.

²⁰ Includes indicators related to both Sec35(5) and Sec35(6) of *FSJPPR*

²¹ Indicators 2 (Seral Stage) and 3 (Patch Size) are Performance Indicators for both Strategy 4.5 and 4.6 from SFMP #3



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 GRIRMP, 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 3.20): No new harvesting occurred in the Graham in the 2020-2021 reporting period. The participants are in conformance to this indicator's target and allowable variance. GIS coverage is used as an overlay during the development or amendment 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 Muskwa-Kechika Management Area (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. Initial planning of an MKMA harvest plan commenced in 2006 but was suspended pending further advancement of LU Objective development. It is possible that the recent initiative to create a new Land Resource Management Plan (LRMP) for the Fort St. John TSA may have an impact on future LU Objectives for the MKMA. However, the LRMP process has been delayed indefinitely due to the court ruling in the case of Yahey vs. British Columbia.

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 most current AAC determination rationale. Following the Timber Supply Review III for the Fort St. John TSA on May 10, 2018, two non-legal geographic/species partitions were identified. Harvesting conducted after that date is expected to conform to the partitions.

Indicator #47 - AAC Partition – Deciduous Planning and Indicator #47a – AAC Partition - Deciduous Harvest Performance

The Participants remain in conformance for indicators 47 and 47a, which are assessed together. Deciduous harvest levels had been decreased during the period due to the temporary closure of PVO SB.

Indicator #48 - AAC Partition – Conifer Planning and Indicator #48a – AAC Partition - Conifer Harvest Performance

The participants did not meet the planned spruce % target for the reporting year, so the target for indicator 48a was not achieved.

The volume of conifer harvested in the first three years of the partition was within the variances allowed for conifer volume harvested in the core area (10% overall and 20% in any individual



year). The total conifer volume harvested in the core area for the first three years was 2.18 million m³. The overall % of spruce in the core was 66% which is over the target of 50% and over the allowed variance (at 55%). The target for indicator 48 was not achieved.

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 #49 - Cut Control (Section 3.49):

The last completed monitoring period identified for indicator 49 concluded on December 31, 2021, with the Participants in conformance. The next monitoring period has started January 1, 2022 – Dec 31, 2028. The Participants remain in conformance with this indicator, and strategy.

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 #46 - Coordination (Section 3.46): The participants completed and submitted a coordinated FOS in October 2017. The Participants continue to coordinate and collaborate on amendments to the FOS and are in conformance with the target for this indicator, and with this strategy.

Harvesting Strategy #7: Even-aged silviculture systems such as clear-cuts, or clear-cuts 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 understory 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.

Additional Indicator for Timber Harvesting Strategy:

A new indicator was amended in the SFMP, effective April 1, 2020. Indicator #64 - Residual Fibre Utilization was included in the suite of indicators used to measure conformance to the overall Timber Harvesting Landscape Level Strategy. However, no new Harvesting Strategy was developed for this indicator to relate to.

Indicator #64 – Residual Fibre Utilization (Section 3.64): The participants met the requirement to report out on various ways that residual fibre was utilized during the Annual Report period.

Timber Harvesting Strategy Summary: The participants were in conformance with **8 of 9 legal indicators (89%)**, and **3 of 3 non legal indicators (100%)** used to quantify conformance to the timber harvesting strategies. The participants are not fully in conformance with the Timber Harvesting Strategy.

11.51 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 4.5%, BCTS is at 2.9%, 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 #42 - Recreation Opportunity Spectrum (Section 3.42): 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 #3 amendment 399 indicate that harvest plans will allow future activities through 2025 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 #37 - Coordinated Developments (Section 3.37) - The licensee participants proposed changes to 7 of the 55 referrals received, BCTS proposed changes to 7 of the 19 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 370 Road use agreements to oil and gas companies.

Road Access Management Strategy Summary: The participants conformed to the **two (100%) legal indicators**, and **1 of 1 (100%) non-legal indicator used to quantify conformance to the access management strategies**.

11.52 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 #35 - Protection of Stream banks and Riparian Values on Small Streams (Section 3.35): During the 2021-2022 reporting period the participants had no instance of non-conformance to SLP riparian management measures. 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 clear-cut 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, no block harvest or road construction activities were conducted in major river corridors by Canfor or BCTS. 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 #33 - Peak Flow Index (Section 3.33): 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.

Riparian Management Strategy 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.

11.53 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 #39 - Damage to Range Improvements (Section 3.39): In this reporting period, the participants repaired fence lines within one year of the incident. 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 (TRAPs) 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 #38 - Range Action Plans (Section 3.38): is the indicator which shows progress on this strategy. No Timber Range Action Plan (TRAP) was developed (signed) by the participants during the reporting period. Three mutually agreed upon action plans have been developed. Participants' operations were 100% consistent with the mutually agreed upon action plans for range during the reporting period.

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



11.54 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 as part of FOS Amendment 411 that shows the current condition of the indicator and projected future condition of the indicator through 2036, identified that the Participants' activities are in conformance with the requirements of this indicator in terms of harvest planning. However, the Participants were not able to meet part B of the indicator statement (completion of OGMA designations by the March 31st, 2022, target date so are not in compliance with this Strategy. See section 3.2 for more detail.

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)**. Based on last year's projection through 2025, the Participants will remain in conformance during the term of the SFMP. This will be reassessed and annually to assess conformance to targets at the end of the SFMP#3 term.

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):

The current reporting period is December 1, 2016 - November 30, 2022. So far in this reporting period the CWD plots have shown 79 m³/ha of CWD retained on harvested blocks. The participants are in conformance to this indicator.

Indicator #9 - Wildlife Tree Patches (Section 3.9):

Wildlife Tree Patches have cumulative targets by LU for harvesting initiated after November 15, 2018. The participants' activities are currently consistent with the targets for 7 of the 7 LU's that were harvested during the reporting period. No harvesting took place in the Milligan, Sikanni, Graham, and Crying Girl LU's. The participants are in conformance with 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.



Patch Size, Seral Stage Distribution, and Adjacency Strategy 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.

11.55 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 (Section 3.1), Seral Stage (Section 3.2), and Patch Size (Section 3.3) and Salvage (Indicator #26, Section 3.26)**. The participants are in conformance with the target for each of these indicators except Seral Stage.

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, Aspen Twig Blight, frost and cattle damage.

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 #45 - Forest Health FOS Planning (Section 3.45): No significant forest health events were identified during the reporting year. The participants are in conformance with this indicator or the variance.

Forest Health Strategy #4: Reduce Forest Health Impacts from Climate Change Where practical, manage for climate change by implementing standards specified in the Chief Foresters Standard for Seed Use (CFSSU).

Indicator #13 - Seed Use (Section 3.13): All seedlings planted by the participants were in compliance with the CFSSU. The participants are in conformance with this indicator.

Forest Health Strategy Summary: The participants' activities conformed to the target or acceptable variance for **5 of 6 (100%) legal indicators** and 1 of 1 (100%) non legal indicator used to quantify conformance to the forest health strategy.

11.56 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 MFLNRORD tracking system (e.g., RESULTS - Reporting Silviculture Updates and Land Status Tracking System). 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 – Seed Use (Section 3.13): This indicator measures conformance to the Chief Foresters Standards for Seed Use. 100% 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): This indicator 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): This indicator 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): This indicator 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. The licensee participants did not achieve the target for deciduous. The participants are not in compliance with this indicator.

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

Reforestation Strategy Summary: The participants conformed to **3 of the 4 legal indicator targets (75%)** and 1 of 1 (100%) non legal indicator that measure conformance with the reforestation strategy.

11.57 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): This indicator 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 2021-2022 reporting period.

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



11.58 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 #41 - Visual Quality Objectives (Section 3.41): This indicator measures whether activities were consistent with VQO's during the reporting period and is used to quantify conformance to the visual quality management strategy.

Canfor completed 1 of 1 required assessment during the reporting period. LP completed 2 of 2 required assessment during the reporting period. Canfor completed 1 of 1 required assessment during the reporting period. BCTS did not require to complete any assessment during the reporting period as operations did not overlap with VQO polygons. The completed assessments concluded that VQO's were achieved on all blocks.

Visual Quality Management Strategy 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.



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 (MKMA). 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.

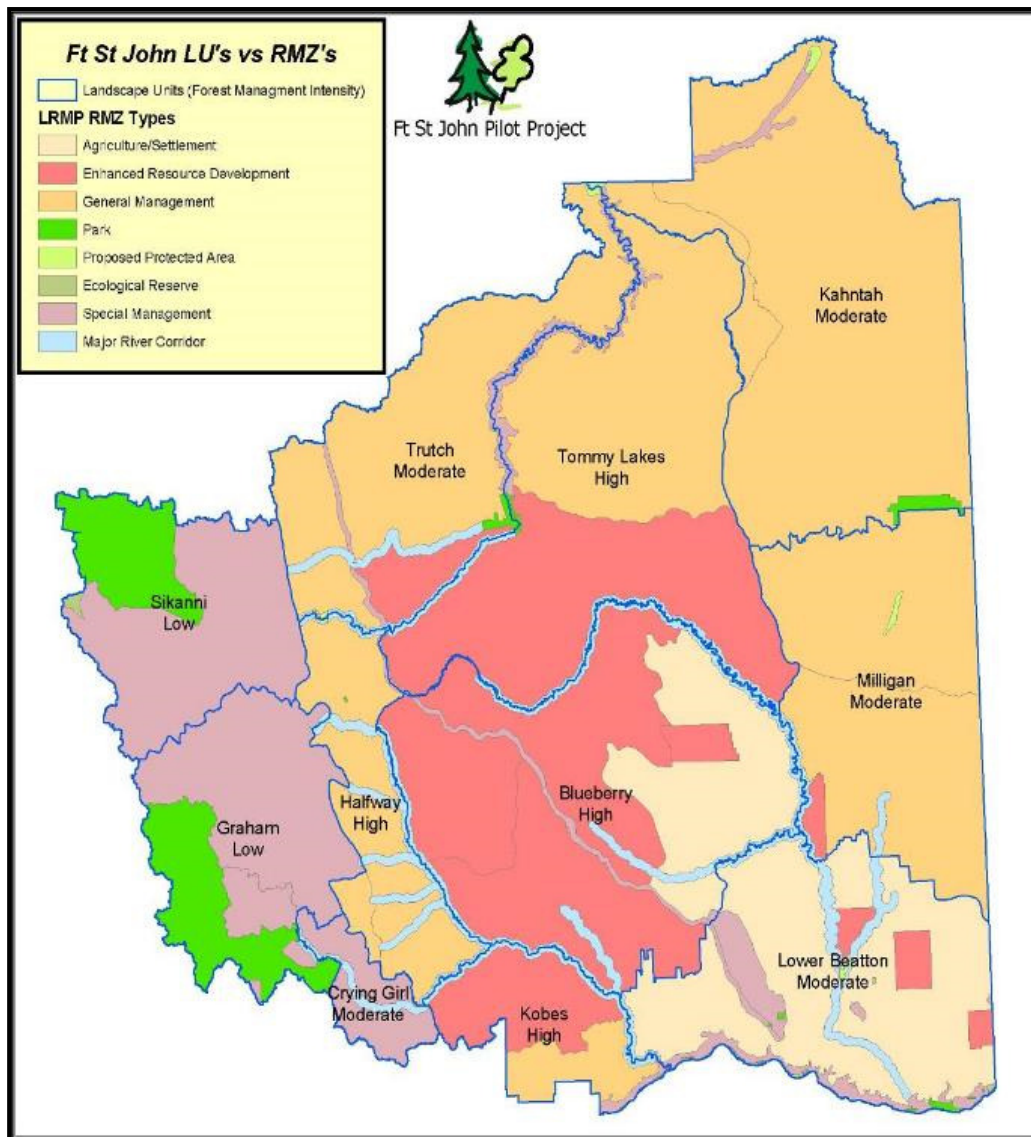


Figure 7: Fort St. John LU's and RMZ's



Appendix 2: SFI Forest Management Standard Matrix



Table 36: 47.0 SFI Matrix²² Fort St. John Pilot Project SFM Matrix – Updated October 2022

CCFM ²³ Criteria & SFI FMS Objectives	Value	Objective	SFI Performance Measures (reference only)	SFMP Indicator	Target	
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, including ecological elements that contribute to cultural values						
Objective 4: Protection of Biological Diversity To maintain or advance the conservation of biological diversity at the stand and landscape level and across a diversity of habitats and successional stages including the conservation of forest plants and animals, aquatic species, threatened and endangered species, Forests with Exceptional Conservation Value, old-growth forests and ecologically important sites.	Ecosystem Diversity	Maintain the diversity and pattern of communities and ecosystems within a natural range	Performance Measure 4.1 Certified Organizations shall conserve biological diversity. Performance Measure 1.2 Certified Organizations shall not convert one forest cover type to another forest cover type unless an assessment has been conducted to determine ecological impacts and provide appropriate justification.	67 – Rare Ecosystems	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
				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)
				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

²² matrix number reflects the PAG meeting at which it was approved.

²³ CCFM – Canadian Council of Forest Ministers



CCFM ²³ Criteria & SFI FMS Objectives	Value	Objective	SFI Performance Measures (reference only)	SFMP Indicator		Target
<p>Objective 1. Forest Management Planning To ensure forest management plans include long-term sustainable harvest levels and measures to avoid forest conversion or afforestation of ecologically important areas.</p>				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
				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 <i>FSJPPR</i> in each Landscape Unit	Cumulative Wildlife Tree Patch % will meet or exceed the minimum target in each LU (Blueberry 9%, Halfway 6%, Kahntah 5%, Kobes 8%, Lower Beatton 3%, Milligan 4%, Tommy Lakes 8%, Trutch 5%, Sikanni 4%, Graham 4%, Crying Girl 3%)



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Objective 4: Protection of Biological Diversity To maintain or advance the conservation of biological diversity at the stand and landscape level and across a diversity of habitats and successional stages including the conservation of forest plants and animals, aquatic species, threatened and endangered species, Forests with Exceptional Conservation Value, old-growth forests and ecologically important sites.	Species Richness	Suitable habitat elements for indicator species. Maintain habitats for species at risk	Performance Measure 4.2. Certified Organizations shall protect threatened and endangered species, critically imperiled and imperiled species and natural communities (Forests with Exceptional Conservation Values) and old-growth forests. Performance Measure 4.3. Certified Organizations shall manage to protect ecologically important sites in a manner that takes into account their unique qualities.	5 – Snags / Cavity Sites	See indicator # 5	
				6 – Coarse Woody Debris Volume	Average retention level of Coarse Woody Debris volume/ (m ³ /ha) on blocks logged in the DFA between December 1, 2016, and November 30, 2022	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, 2016, and November 30, 2022
				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



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Objective 2. Forest Health and Productivity To ensure long-term forest productivity, forest health and conservation of forest resources through prompt reforestation, afforestation, deploying integrated pest management strategies, minimized chemical use, soil conservation, and protecting forests from damaging agents.				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	
				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
Objective 2. Forest Health and Productivity To ensure long-term forest productivity, forest health and conservation of forest resources through prompt reforestation, afforestation, deploying integrated pest	Genetic Diversity	Conserve genetic diversity of tree stock	Performance Measure 2.5. Certified Organizations that deploy improved planting stock, including varietal seedlings, shall use best scientific methods.	13 – Coniferous Seeds	See indicator # 13	
				14 – Aspen Regeneration	See indicator # 14	



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management strategies, minimized chemical use, soil conservation, and protecting forests from damaging agents.						
<p>Objective 1. Forest Management Planning To ensure forest management plans include long-term sustainable harvest levels and measures to avoid forest conversion or afforestation of ecologically important areas.</p> <p>Objective 4. Conservation of Biological Diversity To maintain or advance the conservation of biological diversity at the stand- and landscape level and across a diversity of forest and vegetation cover</p>	<p>Protect areas and Conservation Emphasis areas, for example Special Management Zones, Ecological Reserves, etc.</p>	<p>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.</p> <p>Management strategies address important values in SMZ areas</p>	<p>Performance Measure 1.1. Certified Organizations shall ensure that forest management plans include long-term harvest levels that are sustainable and consistent with appropriate growth-and-yield models.</p> <p>Performance Measure 4.3. Certified Organizations shall manage to protect ecologically important sites in a manner that takes into account their unique qualities.</p>	<p>15 – Class A Parks, Ecological Reserves & LRMP Designated Protected Areas</p> <p>16 – Ungulate Winter Ranges, Wildlife Habitat Areas & MKMA</p> <p>17 – Representative Examples of Ecosystems</p> <p>18 – Graham Harvest Timing</p>	<p>Hectares of forestry related harvesting or road construction within Class A parks, protected areas, ecological reserves, or LRMP designated protected areas</p> <p>See indicator # 16</p> <p>See indicator # 17</p> <p>The number of clusters in the Graham IRM Plan area where active operational harvesting is concurrently occurring</p>	<p>Zero hectares of forestry related harvesting or road construction within Class A parks, protected areas, ecological reserves, or LRMP designated protected areas</p> <p>Operational harvesting within the Graham IRM Plan area will be constrained to no more than 1 ‘cluster’ of cutblocks at any one time</p>



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<p>types and successional stages including the conservation of forest plants and animals, aquatic species, threatened and endangered species, Forests with Exceptional Conservation Value, old-growth forests and ecologically important sites.</p> <p>Objective 8. Recognize and Respect Indigenous Peoples' Rights To recognize and respect Indigenous Peoples' rights and traditional knowledge</p> <p>Objective 6. Protection of Special Sites To manage lands that are geologically or culturally important in a manner that takes into account their unique qualities.</p>			<p>Performance Measure 8.2. Certified Organizations with forest management responsibilities on public lands shall confer with Indigenous Peoples whose rights may be affected by the Certified Organization's forest management practices.</p>	<p>19 – Graham Merch Area</p>	<p>Cumulative merchantable area (hectares) within blocks harvested in the Graham IRM Plan area since 1997</p>	<p>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; Period # 4 (ending April 2022): 10,858 ha</p>
			<p>Performance Measure 6.1. Certified Organizations shall have a program to identify special sites and manage and protect them in a manner appropriate for their unique features.</p>	<p>20 – Graham Connectivity</p>	<p>Area (hectares) harvested in cutblocks in the Graham IRM area, within the permanent alluvial and non-productive/non-commercial components of the connectivity corridors</p>	<p>Zero hectares harvested within cutblocks in the permanent alluvial and non-productive/non-commercial components of the connectivity corridors</p>
				<p>21 – MKMA harvest</p>	<p>The number of long-term harvest plans within the MKMA completed and submitted to government</p>	<p>A minimum of one long-term 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</p>



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				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 <i>FSJPPR</i> (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



CCFM ²³ Criteria & SFI FMS Objectives	Value	Objective	SFI Performance Measures (reference only)	SFMP Indicator	Target
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.					
Objective 2. Forest Health and Productivity To ensure long-term forest productivity, forest health, carbon storage and conservation of forest resources through prompt reforestation, afforestation, minimized chemical use, soil conservation, and protecting forests from damaging agents.	Ecosystem Resilience / Ecosystem Productivity	Maintain a natural range of variability in ecosystem function, composition and structure with allows ecosystems to recover from disturbance and stress. Ecosystem functions capable of supporting naturally occurring species exist within the range of natural variability. Maintain or enhance landscape level productivity.	Performance Measure 2.4. Certified Organizations shall manage to protect forests from damaging agents, such as environmentally or economically undesirable levels of wildfire, pests, diseases, and invasive species, to maintain and improve long-term forest health, productivity, and economic viability.	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	



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<p>Objective 2. Forest Health and Productivity To ensure long-term forest productivity, forest health and conservation of forest resources through prompt reforestation, afforestation, deploying integrated pest management strategies, minimized chemical use, soil conservation, and protecting forests from damaging agents.</p>				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
			<p>Performance Measure 2.3. Certified Organizations shall implement practices that protect and maintain forest and soil productivity and soil health.</p>	2 – Seral Stage	See indicator # 2	
				9 – Wildlife Tree Patches	See indicator # 9	
			<p>Performance Measure 2.4. Certified Organizations shall manage to protect forests from damaging agents, such as environmentally or economically undesirable levels of wildfire, pests, diseases, and invasive species, to</p>	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, 2016 - March 31, 2022)
	49 – Forest Health FOS Planning	Percentage of new conifer-leading harvest blocks in	A minimum of 50% of new conifer-leading harvest blocks in the			



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			maintain and improve long-term forest health, productivity, and economic viability.		the 2017 FOS that are pine-leading	2017 FOS will be pine-leading
			Performance Measure 2.1. Certified Organizations shall promptly reforest after final harvest.	13 – Coniferous Seeds	See indicator #13	
				14 – Aspen Regeneration	See indicator #14	
				28 – Species Composition	See indicator #28	
			Performance Measure 2.3. Certified Organizations shall implement practices that protect and maintain forest and soil productivity and soil health.	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 crown forest land base in the DFA converted to non-forest land use through forest management activities of the participants during the term of SFMP #3	Less than 0.6% of the gross crown forest land base in the DFA will be converted to non-forest land use through forest management activities of the participants during the term of SFMP #3
				25 – Forest Health	See indicator # 25	



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<p>Objective 1. Forest Management Planning To ensure forest management plans include long-term sustainable harvest levels and measures to avoid forest conversion or afforestation of ecologically important areas.</p> <p>Objective 2. Forest Health and Productivity To ensure long-term forest productivity, forest health and conservation of forest resources through prompt reforestation, afforestation, deploying integrated pest management strategies, minimized chemical use, soil conservation, and protecting forests from damaging agents.</p>			<p>Performance Measure 1.1. Certified Organizations shall ensure that forest management plans include long-term harvest levels that are sustainable and consistent with appropriate growth-and-yield models.</p>	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)
			<p>Performance Measure 2.3. Certified Organizations shall implement practices that protect and maintain forest and soil productivity and soil health.</p>	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, 2016 - Dec 31, 2021: 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 ²³ Criteria & SFI FMS Objectives	Value	Objective	SFI Performance Measures (reference only)	SFMP Indicator	Target	
CCFM Criterion 3 – Conservation of Soil and Water Resources						
Conserve soil and water resources by maintaining their quantity and quality in forest ecosystems.						
Objective 2. Forest Health and Productivity To ensure long-term forest productivity, forest health and conservation of forest resources through prompt reforestation, afforestation, deploying integrated pest management strategies, minimized chemical use, soil conservation, and protecting forests from damaging agents.	Soil Productivity	Protect soil resources to sustain productive forests	Performance Measure 2.3 Certified Organizations shall implement practices that protect and maintain forest and soil productivity and soil health.	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	
			Performance Measure 2.3. Certified Organizations shall implement practices that protect and maintain forest and soil productivity and soil health.	6 – Coarse Woody Debris Volume	See indicator # 6	
Objective 3. Protection and Maintenance of Water Resources To protect the water quality and water quantity of rivers, streams, lakes, wetlands, and other water bodies.	Water Quantity	Maintenance of water quantity	Performance Measure 3.1. Certified Organizations shall meet or exceed all applicable federal, provincial, state, and local water quality laws and meet or exceed best management practices.	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
			Performance Measure 3.2. Certified Organizations shall implement water, wetland, and			



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			riparian protection programs based on climate, soil type, terrain, vegetation, ecological function, harvesting system, state best management practices (BMPs), provincial guidelines and other			
		Maintenance of water quality	applicable factors.	7 – Riparian Reserves	See indicator # 7	
			Performance Measure 3.1. Certified Organizations shall meet or exceed all applicable federal, provincial, state, and local water quality laws and meet or exceed best management practices.	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
Performance Measure 3.2. Certified Organizations shall implement water, wetland, and riparian protection programs based on climate, soil type, terrain, vegetation, ecological function,	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			



CCFM ²³ Criteria & SFI FMS Objectives	Value	Objective	SFI Performance Measures (reference only)	SFMP Indicator		Target
			harvesting system, state best management practices (BMPs), provincial guidelines and other	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



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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.						
Objective 9. Climate Smart Forestry To ensure forest management activities address climate change adaptation and mitigation measures.	Carbon Uptake and Storage	Maintenance of the processes for carbon uptake and storage	Performance Measure 9.2 Certified Organizations shall individually and/or through cooperative efforts involving SFI Implementation Committees or other partners identify and address opportunities to mitigate the effects associated with its forest operations on climate change.	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
			Performance Measure 2.1. Certified Organizations shall promptly reforest after final harvest.	See indicators # 25, 27, 28, 29, 30		
Objective 1. Forest Management Planning To ensure forest management plans include long-term sustainable harvest levels and	Forest Land Base	Sustain forest lands within our control within the DFA	Performance Measure 1.4. Certified Organizations shall not afforest in locations which negatively impact ecologically important natural	See indicators # 24, 40, 55		



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measures to avoid forest conversion or afforestation of ecologically important areas.			communities, threatened and endangered species, or native natural communities which could be at risk of becoming rare.		



CCFM ²³ Criteria & SFI FMS Objectives	Value	Objective	SFI Performance Measures (reference only)	SFMP Indicator	Target	
CCFM Criterion 5 – Multiple Benefits to Society						
Sustain flows of forest benefits for current and future generations by providing multiple goods and services.						
Objective 5. Management of Visual Quality and Recreational Benefits To manage the visual impact of forest operations and provide recreational opportunities for the public.	Timber and Non-Timber Multi-use Benefits	Provide opportunities for a feasible mix of timber, recreational activities, and non-timber commercial activities	Performance Measure 5.1. Certified Organizations shall manage the impact of harvesting on visual quality.	18 – Graham Harvest Timing	See indicator # 18	
				19 – Graham Merch Area	See indicator # 19	
				21 – MKMA harvest	See indicator # 21	
			Performance Measure 5.2. Certified Organizations shall manage the size, shape, and placement of clearcut harvests.	31 – Long Term harvest Level (Timber)	See indicator # 31	
			Performance Measure 5.3. Certified Organizations shall adopt a green-up requirement or alternative methods that provide for visual quality.	41 – Range Action Plan	Percent consistency with mutually agreed upon action plans for range	Operations 100% consistent with resultant range action plans
			Performance Measure 5.4. Certified Organizations shall	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



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<p>Objective 1. Forest Management Planning To ensure forest management plans include long-term sustainable harvest levels and measures to avoid forest conversion or afforestation of ecologically important areas.</p>			<p>support and promote recreational opportunities for the public.</p> <p>Performance Measure 1.1. Certified Organizations shall ensure that forest management plans include long-term harvest levels that are sustainable and consistent with appropriate growth-and-yield models.</p>	<p>45 – Recreation Opportunity Spectrum</p>	<p>Area in primitive and semi-primitive non-motorized classifications of the Recreation Opportunity Spectrum (ROS) for the Graham, Sikanni and Crying Girl LU's</p>	<p>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)</p>
				<p>46 – Actions Addressing Guides, Trappers, and Other Interests</p>	<p>Percentage of operations consistent with mutually agreed upon action plans for guides, trappers and other known non-timber commercial interests</p>	<p>100% of operations will be consistent with action plans for guides, trappers and other non-timber commercial interests</p>
				<p>47 – Timber processed in the DFA (Timber)</p>	<p>Volume of timber processed in the DFA in proportion to volume harvested in the DFA</p>	<p>The annual equivalent of a minimum of 70% of the DFA's harvest is primary processed in the DFA</p>
				<p>48 – Summer and Fall Volume Deliveries</p>	<p>See Indicator # 48</p>	
			<p>Non – Core</p>	<p>51 – Timber Profile - Deciduous (Timber)</p>	<p>The area(ha) of deciduous leading cutblocks identified in Supply Block F for harvest during the term of the SFMP</p>	<p>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</p>



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				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. April 1, 2016- March 31, 2022: 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)	Percentage of total Allowable Annual Cut (AAC) charged to licensee tenure holders or BCTS Participants during the term of the SFMP.	Jan 1, 2016 - Dec 31, 2021: <u>Industry Participants:</u> -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 <u>BCTS Participant:</u>



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<p>Objective 6. Protection of Special Sites To manage lands that are geologically or culturally important in a manner that takes into account their unique qualities.</p> <p>Objective 8. Recognize and Respect Indigenous Peoples' Rights To recognize and respect Indigenous Peoples' rights and traditional knowledge.</p>						<p>-Not to exceed 110% of the combined cumulative coniferous commitment offered for sale for the 6-year period</p> <p>-Not to exceed 110% of the combined cumulative deciduous commitment offered for sale for the 6-year period</p>
			<p>Performance Measure 6.1. Certified Organizations shall have a program to identify special sites and manage and protect them in a manner appropriate for their unique features.</p>	<p>23 – Value and Total Number of contracts Awarded to First Nations</p>	<p>See Indicator # 23</p>	
				<p>41 – Range Action Plan</p>	<p>See indicator # 41</p>	
				<p>46 – Actions Addressing Guides, Trappers, and Other Interests</p>	<p>See Indicator # 46</p>	
				<p>47 – Timber Processed in the DFA</p>	<p>See Indicator # 47</p>	
				<p>54 – Dollars Spent Locally on Each Woodlands Phase</p>	<p>See indicator # 54</p>	
				<p>55 – Direct and Indirect Employment</p>	<p>See Indicator # 55</p>	
			<p>Performance Measure 8.2. Certified Organizations with forest management responsibilities on public lands shall confer with Indigenous Peoples whose rights may be affected by the Certified Organization's forest management practices.</p>	<p>68 – Effective Communication – Non-Timber Resources</p>	<p>Evidence of communication and consideration of non-timber resources into</p>	<p>100% of non-timber resource values, identified through communication, have been responded to and considered and may be</p>



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	Sustainable and Viable Communities	Maintain viable timber processing facilities in the DFA. No decrease in the LTHL in the DFA	Performance Measure 8.3. Certified Organizations are encouraged to communicate with and shall respond to Indigenous Peoples whose rights may be affected by forest management practices on the Certified Organization's private lands.		forest management planning	accommodated in forest management plans
			N/A	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 FOSs 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	



CCFM ²³ Criteria & SFI FMS Objectives	Value	Objective	SFI Performance Measures (reference only)	SFMP Indicator		Target
				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	
			Fair Distribution of Benefits and Costs	Development of Skilled Workers	N/A	63 – Worker Training
12 – Forest Workers Safety	Implementation and maintenance of certified safety program	Each managing participant will implement and maintain a certified safety program				



CCFM ²³ Criteria & SFI FMS Objectives	Value	Objective	SFI Performance Measures (reference only)	SFMP Indicator		Target
			N/A	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	



CCFM ²³ Criteria & SFI FMS Objectives	Value	Objective	SFI Performance Measures (reference only)	SFMP Indicator	Target
CCFM Criterion 6 – Accepting Society’s Responsibility for Sustainable Development					
Sustainable forest management includes society’s responsibility for worker and community safety, and the requirement for fair, equitable, and effective forest management decisions.					
Objective 14. Community Involvement and Landowner Outreach To broaden the practice of sustainable forestry through public outreach, education, and involvement, and to support the efforts of SFI Implementation Committees.	Opportunity for Public Participation	To facilitate a satisfactory public participation process. To develop satisfaction with the public participation process	Performance Measure 14.1. Certified Organizations shall support and promote efforts by consulting foresters, state, provincial and federal agencies, state or local groups, professional societies, conservation organizations, Indigenous Peoples and governments, community groups, sporting organizations, labor, universities, extension agencies, the American Tree Farm System and/or other landowner cooperative programs to apply principles of sustainable forest management.	59 – Terms of Reference (TOR) for the Public Participation Process Current Terms of reference (TOR) for the <i>FSJPPR</i> public participation process	Biennial review of the TOR for the <i>FSJPPR</i> 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
	Information for Decision-making	Relevant information used in the decision-making process is provided to PAG,	Performance Measure 14.2. Certified Organizations shall	41 – Timber Range Action Plans 46 – Actions Addressing	See Indicator # 41 See indicator # 46



CCFM ²³ Criteria & SFI FMS Objectives	Value	Objective	SFI Performance Measures (reference only)	SFMP Indicator		Target
		general public, and affected parties	individually and/or through cooperative efforts involving SFI Implementation Committees support and promote, at the state, provincial or other appropriate levels, mechanisms for public outreach, education and involvement related to sustainable forest management.	Guides, Trappers, and Other Interests		
				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	
				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	



CCFM ²³ Criteria & SFI FMS Objectives	Value	Objective	SFI Performance Measures (reference only)	SFMP Indicator		Target
	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	N/A	12 – Forest Workers Safety	See Indicator # 12	
N/A			63 – Worker Training	See Indicator # 63		



CCFM ²³ Criteria & SFI FMS Objectives	Value	Objective	SFI Performance Measures (reference only)	SFMP Indicator	Target
CCFM Criterion 7 – Aboriginal Relations					
Recognize and respect the unique rights and values of Aboriginal Peoples					
<p>Objective 6. Protection of Special Sites To manage lands that are geologically or culturally important in a manner that takes into account their unique qualities.</p> <p>Objective 8. Recognize and Respect Indigenous Peoples' Rights To recognize and respect Indigenous Peoples' rights and traditional knowledge.</p>	Aboriginal and Treaty Rights	Recognition of Treaty 8 rights and respect of aboriginal rights through maintenance of landscape level biodiversity	<p>Performance Measure 6.1. Certified Organizations shall have a program to identify special sites and manage and protect them in a manner appropriate for their unique features.</p>	<p>33 – First Nations Consultation & Information Sharing</p>	<p>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)</p>
			<p>Participants will conform to the identified SFMP indicators and targets pertinent to the maintenance of wildlife and fisheries habitat</p>	<p>56 – Maintenance of Wildlife and Fisheries Habitat</p>	<p>Conformance to the SFMP indicators and targets pertinent to the maintenance of wildlife and fisheries habitat</p>
			<p>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)</p>	<p>33 – First Nations Consultation & Information Sharing</p>	<p>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)</p>
			<p>Performance Measure 8.1. Certified Organizations shall recognize and respect Indigenous Peoples' rights.</p> <p>Performance Measure 8.2. Certified Organizations with forest management responsibilities on public lands shall confer with Indigenous Peoples</p>	<p>69 – Effective Communication – Aboriginal Communities</p>	<p>Evidence of ongoing communication with Aboriginal communities and</p> <p>100% of information on aboriginal titles and rights, identified through on-going communication with Aboriginal communities, has been</p>



CCFM ²³ Criteria & SFI FMS Objectives	Value	Objective	SFI Performance Measures (reference only)	SFMP Indicator		Target
			whose rights may be affected by the Certified Organization's forest management practices.		consideration of information gained	responded to and considered and may be accommodated in forest management planning
<p>Objective 6. Protection of Special Sites To manage lands that are geologically or culturally important in a manner that takes into account their unique qualities.</p> <p>Objective 8. Recognize and Respect Indigenous Peoples' Rights To recognize and respect Indigenous Peoples' rights and traditional knowledge.</p>	<p>Aboriginal Forest Values, and Uses</p>	<p>Respect known traditional aboriginal forest values and uses. Involve First Nations in review of forest management plans, provide understanding of forest management plans. Provide opportunities for First Nations to participate in forest economy.</p>	<p>Performance Measure 6.1. Certified Organizations shall have a program to identify special sites and manage and protect them in a manner appropriate for their unique features.</p> <p>Performance Measure 8.1. Certified Organizations shall recognize and respect Indigenous Peoples' rights.</p> <p>Performance Measure 8.2. Certified Organizations with</p>	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
				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	
				33 – First Nation 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	See Indicator # 62	



CCFM ²³ Criteria & SFI FMS Objectives	Value	Objective	SFI Performance Measures (reference only)	SFMP Indicator		Target
			forest management responsibilities on public lands shall confer with Indigenous Peoples whose rights may be affected by the Certified Organization's forest management practices.			
			Performance Measure 8.1. Certified Organizations shall recognize and respect Indigenous Peoples' rights.	33 – First Nations Consultation & Information Sharing	See Indicator # 33	
			Performance Measure 8.2. Certified Organizations with forest management responsibilities on public lands shall confer with Indigenous Peoples whose rights may be affected by the Certified Organization's forest management practices.	57 – Number of Known values and Uses Addressed in Operational Planning	See Indicator # 57	
			Performance Measure 8.2. Certified Organizations with forest management responsibilities on public lands shall confer with Indigenous Peoples whose rights may be affected by the Certified Organization's forest management practices.	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



Appendix 3: Access Management



Table 37: Road Construction Activity – Forest Licensees April 1st, 2021- March 31st, 2022

ROAD_SEQ_NBR	Road Steward	Road Name	POC	POT	Road Length (m)	Completion Date	Season	Operating Area	Method
1000317113	Canfor	01-329-04	0	559	559	15-Dec-20	Summer	Inga Lake	Subgrade
1000317977	Canfor	03-099-00	0	1652	1652	15-Nov-20	Summer	North Blueberry	Subgrade
320017175	Canfor	05-020-06	0	389	389	14-Sep-20	Summer	Aikman Creek	Surfacing
1004312183	Canfor	05-062-00	0	1019	1019	18-Sep-20	Summer	Aikman Creek	Subgrade
1004312183	Canfor	05-062-00	0	1019	1019	24-Sep-20	Summer	Aikman Creek	Surfacing
1000316558	Canfor	05-137-00	0	2195	2195	9-Oct-20	Summer	Aikman Creek	Surfacing
1004317546	Canfor	05-139-00	0	574	574	19-Aug-20	Summer	Aikman Creek	Subgrade
1000317304	Canfor	05-141-00	0	1303	1303	12-Aug-20	Summer	Aikman Creek	Subgrade
1000317304	Canfor	05-141-00	180	760	580	14-Aug-20	Summer	Aikman Creek	Surfacing
1000317305	Canfor	05-141-01	0	559	559	12-Aug-20	Summer	Aikman Creek	Subgrade
1004313976	Canfor	05-146-00	0	113	113	19-Aug-20	Summer	Aikman Creek	Subgrade
1004313977	Canfor	05-146-01	0	193	193	19-Aug-20	Summer	Aikman Creek	Subgrade
1004313978	Canfor	05-147-00	0	477	477	1-Sep-20	Summer	Aikman Creek	Subgrade
1004313975	Canfor	05-148-00	0	370	370	24-Aug-20	Summer	Aikman Creek	Subgrade
1000316602	Canfor	05-157-00	0	342	342	18-Sep-20	Summer	Aikman Creek	Subgrade
1000316602	Canfor	05-157-00	0	342	342	25-Sep-20	Summer	Aikman Creek	Surfacing
1004312185	Canfor	05-165-00	0	619	619	9-Sep-20	Summer	Aikman Creek	Subgrade
1004312185	Canfor	05-165-00	0	619	619	18-Sep-20	Summer	Aikman Creek	Surfacing
1004310886	Canfor	05-166-00	0	202	188	25-Aug-20	Summer	Aikman Creek	Subgrade
1004310886	Canfor	05-166-00	0	239	225	10-Sep-20	Summer	Aikman Creek	Surfacing
1004319031	Canfor	05-169-00	0	3597	3597	20-Nov-20	Summer	Aikman Creek	Subgrade
1004319031	Canfor	05-169-00	416	2776	2360	20-Nov-20	Winter	Aikman Creek	Subgrade
1004319032	Canfor	05-169-01	0	394	394	1-Dec-20	Winter	Aikman Creek	Subgrade
1004319033	Canfor	05-169-02	0	188	188	1-Dec-20	Winter	Aikman Creek	Subgrade
1004319034	Canfor	05-169-03	0	2007	2007	1-Dec-20	Winter	Aikman Creek	Subgrade
1004319035	Canfor	05-169-06	0	335	335	1-Dec-20	Winter	Aikman Creek	Subgrade
1004318479	Canfor	05-170-00	0	656	656	11-Dec-20	Winter	Aikman Creek	Subgrade
1004311866	Canfor	05-172-00	0	753	753	1-Oct-20	Summer	Aikman Creek	Subgrade
1004311866	Canfor	05-172-00	0	753	753	8-Oct-20	Summer	Aikman Creek	Surfacing
1004318722	Canfor	05-181-00	0	122	122	21-Jan-21	Summer	Aikman Creek	Subgrade



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ROAD_SEQ NBR	Road Steward	Road Name	POC	POT	Road Length (m)	Completion Date	Season	Operating Area	Method
1004318622	Canfor	05-192-00	0	329	329	10-Dec-20	Summer	Aikman Creek	Subgrade
1004318999	Canfor	05-193-00	0	288	288	20-Nov-20	Summer	Aikman Creek	Subgrade
1004318999	Canfor	05-193-00	288	817	529	20-Nov-20	Winter	Aikman Creek	Subgrade
1004318995	Canfor	05-194-00	0	480	480	7-Jan-21	Winter	Aikman Creek	Subgrade
1004318500	Canfor	07-147-00	0	2114	2114	7-Jan-21	Summer	Donnie Creek	Subgrade
1004318501	Canfor	07-147-01	0	302	302	8-Jan-21	Summer	Donnie Creek	Subgrade
1004317583	Canfor	07-148-00	0	661	661	2-Feb-21	Summer	Donnie Creek	Subgrade
1000317942	Canfor	09-021-01	0	785	785	19-Aug-20	Winter	Kobes Creek	Subgrade
1000317943	Canfor	09-021-02	0	621	621	15-Jul-20	Winter	Kobes Creek	Subgrade
1000317944	Canfor	09-021-03	0	600	600	5-Aug-20	Summer	Kobes Creek	Subgrade
1000317944	Canfor	09-021-03	600	835	235	5-Aug-20	Winter	Kobes Creek	Subgrade
1000317945	Canfor	09-021-04	0	422	422	16-Dec-20	Winter	Kobes Creek	Subgrade
1000317946	Canfor	09-021-05	0	248	248	7-Aug-20	Winter	Kobes Creek	Subgrade
1000023864	Canfor	09-087-00	0	355	355	6-Oct-20	Winter	Kobes Creek	Reactivated
1000318095	Canfor	09-120-01	8	1713	1705	27-Aug-20	Summer	Kobes Creek	Subgrade
1000318095	Canfor	09-120-01	8	1713	1705	31-Aug-20	Summer	Kobes Creek	Surfacing
1000318096	Canfor	09-120-02	0	706	706	27-Aug-20	Summer	Kobes Creek	Subgrade
1000318096	Canfor	09-120-02	0	706	706	31-Aug-20	Summer	Kobes Creek	Surfacing
1000318097	Canfor	09-120-03	0	401	401	27-Aug-20	Summer	Kobes Creek	Subgrade
1000318098	Canfor	09-120-04	0	444	444	27-Aug-20	Summer	Kobes Creek	Subgrade
1000318098	Canfor	09-120-04	0	444	444	31-Aug-20	Summer	Kobes Creek	Surfacing
1000385397	Canfor	09-133-00	0	862	862	5-Aug-20	Summer	Kobes Creek	Subgrade
1000385397	Canfor	09-133-00	0	862	862	5-Aug-20	Summer	Kobes Creek	Surfacing
1000385400	Canfor	09-133-03	0	585	585	30-Aug-20	Summer	Kobes Creek	Subgrade
1000385403	Canfor	09-133-06	0	126	126	10-Aug-20	Summer	Kobes Creek	Subgrade
1000318077	Canfor	09-140-01	0	661	661	25-Nov-20	Summer	Kobes Creek	Subgrade
1000318076	Canfor	09-140-02	0	1351	1351	25-Nov-20	Summer	Kobes Creek	Subgrade
1004315592	Canfor	09-151-01	0	758	758	23-Oct-20	Summer	Kobes Creek	Subgrade
1004315593	Canfor	09-151-02	0	1659	1659	23-Oct-20	Summer	Kobes Creek	Subgrade
1004315594	Canfor	09-151-03	0	2493	2493	16-Oct-20	Summer	Kobes Creek	Subgrade
1004315596	Canfor	09-151-05	0	378	378	25-Sep-20	Summer	Kobes Creek	Subgrade
1004315597	Canfor	09-151-06	0	588	588	15-Oct-20	Summer	Kobes Creek	Subgrade



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ROAD_SEQ NBR	Road Steward	Road Name	POC	POT	Road Length (m)	Completion Date	Season	Operating Area	Method
1004315598	Canfor	09-151-07	0	378	378	23-Sep-20	Summer	Kobes Creek	Subgrade
1004324025	Canfor	09-151-08	0	535	535	16-Oct-20	Summer	Kobes Creek	Subgrade
1004313639	Canfor	09-165-01	0	1232	1232	6-Nov-20	Summer	Kobes Creek	Subgrade
1004318876	Canfor	09-165-02	0	1714	1714	6-Nov-20	Summer	Kobes Creek	Subgrade
1004313635	Canfor	09-165-03	0	238	238	6-Nov-20	Summer	Kobes Creek	Subgrade
1004318917	Canfor	09-166-00	0	950	950	15-Nov-20	Summer	Kobes Creek	Subgrade
1004318976	Canfor	09-167-00	0	3325	3325	18-Nov-20	Summer	Kobes Creek	Subgrade
1004318734	Canfor	09-168-00	0	1660	1660	5-Sep-20	Summer	Kobes Creek	Subgrade
1004318734	Canfor	09-168-00	0	1660	1660	10-Sep-20	Summer	Kobes Creek	Surfacing
1004325610	Canfor	09-168-01	0	80	80	5-Sep-20	Summer	Kobes Creek	Subgrade
1004313640	Canfor	09-201-00	0	400	400	22-Oct-20	Summer	Kobes Creek	Subgrade
1004313640	Canfor	09-201-00	400	600	200	1-Dec-20	Winter	Kobes Creek	Subgrade
1004313637	Canfor	09-201-01	0	907	907	28-Oct-20	Summer	Kobes Creek	Subgrade
1004313954	Canfor	10-104-00	0	1515	1515	10-Aug-20	Summer	Blue Grave Creek	Subgrade
1004313957	Canfor	10-104-01	0	329	329	10-Aug-20	Summer	Blue Grave Creek	Subgrade
1004320913	Canfor	10-119-00	0	569	569	31-Mar-21	Summer	Blue Grave Creek	Subgrade
1004316515	Canfor	12-011-01	0	1019	1019	3-Nov-20	Summer	Chowade River	Subgrade
1004316516	Canfor	12-011-02	0	1075	1075	6-Nov-20	Summer	Chowade River	Subgrade
1004311882	Canfor	19-101-00	0	1424	1424	4-Dec-20	Summer	Laprise Creek	Subgrade
1000031884	Canfor	19-102-00	480	1623	1143	17-Aug-20	Summer	Laprise Creek	Subgrade
1000031884	Canfor	19-102-00	0	480	480	17-Aug-20	Summer	Laprise Creek	Reconstructi on
1000031884	Canfor	19-102-00	0	1623	1623	17-Aug-20	Summer	Laprise Creek	Surfacing
1004313426	Canfor	19-108-00	0	472	472	8-Dec-20	Summer	Laprise Creek	Subgrade
1004313427	Canfor	19-108-01	0	338	338	8-Dec-20	Summer	Laprise Creek	Subgrade
1004313430	Canfor	19-109-00	0	1170	1170	9-Dec-20	Summer	Laprise Creek	Subgrade
1004313431	Canfor	19-109-01	0	391	391	9-Dec-20	Summer	Laprise Creek	Subgrade
1004313207	Canfor	19-110-00	0	735	735	10-Dec-20	Summer	Laprise Creek	Subgrade
1004314088	Canfor	19-111-00	0	1157	1157	15-Oct-20	Summer	Laprise Creek	Subgrade
1004314326	Canfor	19-113-02	0	755	755	15-Dec-20	Summer	Laprise Creek	Subgrade



ROAD_SEQ NBR	Road Steward	Road Name	POC	POT	Road Length (m)	Completion Date	Season	Operating Area	Method
1004314327	Canfor	19-113-03	0	556	556	15-Dec-20	Summer	Laprise Creek	Subgrade
1004317890	Canfor	19-115-00	0	680	680	15-Oct-20	Summer	Laprise Creek	Subgrade
1004317891	Canfor	19-115-01	0	1678	1678	15-Oct-20	Summer	Laprise Creek	Subgrade
1004317892	Canfor	19-115-02	0	110	110	15-Oct-20	Summer	Laprise Creek	Subgrade
1004317894	Canfor	19-115-04	0	249	249	15-Oct-20	Summer	Laprise Creek	Subgrade
1004317895	Canfor	19-115-05	0	331	331	15-Oct-20	Summer	Laprise Creek	Subgrade
1004318116	Canfor	19-116-00	0	949	949	15-Sep-20	Summer	Laprise Creek	Subgrade
1004314598	Canfor	19-116-10	0	1319	1319	15-Sep-20	Summer	Laprise Creek	Subgrade
1004314370	Canfor	19-138-00	0	1501	1501	15-Sep-20	Summer	Laprise Creek	Subgrade
1004314371	Canfor	19-138-01	0	1463	1463	15-Sep-20	Summer	Laprise Creek	Subgrade
1004314372	Canfor	19-138-02	0	862	862	15-Sep-20	Summer	Laprise Creek	Subgrade
1004314376	Canfor	19-138-06	0	513	513	15-Sep-20	Summer	Laprise Creek	Subgrade
1004312707	Canfor	21-042-04	0	1489	1489	30-Apr-20	Summer	Trutch Creek	Subgrade
1004311681	Canfor	21-046-00	0	3000	3000	15-Feb-21	Summer	Trutch Creek	Subgrade
1004325145	Canfor	21-046-01	0	349	349	15-Feb-21	Summer	Trutch Creek	Subgrade
1004325147	Canfor	21-046-02	0	1244	1244	15-Feb-21	Summer	Trutch Creek	Subgrade
1004313289	Canfor	24-049-00	0	1802	1802	15-Jan-21	Summer	Jedney Creek	Subgrade
1004316824	Canfor	24-049-01	0	266	266	15-Jan-21	Summer	Jedney Creek	Subgrade
1004322104	Canfor	24-050-00	0	2219	2219	15-Jan-21	Summer	Jedney Creek	Subgrade
1004316835	Canfor	24-233-00	0	857	857	28-Oct-20	Summer	Jedney Creek	Subgrade
1004316836	Canfor	24-233-01	0	318	318	28-Oct-20	Summer	Jedney Creek	Subgrade
1004316167	Canfor	24-264-00	0	2265	2265	2-Nov-20	Summer	Jedney Creek	Subgrade
1004316060	Canfor	24-277-00	0	1697	1697	15-Nov-20	Summer	Jedney Creek	Subgrade
1004316061	Canfor	24-277-01	0	611	611	15-Nov-20	Summer	Jedney Creek	Subgrade
1004316096	Canfor	24-366-00	0	510	510	15-Jan-21	Summer	Jedney Creek	Subgrade
1004317065	Canfor	24-372-01	0	255	255	3-Dec-20	Summer	Jedney Creek	Subgrade
1004317060	Canfor	24-373-00	0	4847	4847	3-Dec-20	Summer	Jedney Creek	Subgrade
1004317061	Canfor	24-373-01	0	444	444	3-Dec-20	Summer	Jedney Creek	Subgrade
1004317062	Canfor	24-373-02	0	270	270	3-Dec-20	Summer	Jedney Creek	Subgrade
1004313958	Canfor	24-394-01	0	562	562	4-Nov-20	Summer	Jedney Creek	Subgrade
1004313960	Canfor	24-394-02	0	215	215	5-Nov-20	Summer	Jedney Creek	Subgrade
1000385682	Canfor	36-040-00	0	2049	2049	17-Aug-20	Summer	Apsassin Creek	Subgrade



ROAD_SEQ_NBR	Road Steward	Road Name	POC	POT	Road Length (m)	Completion Date	Season	Operating Area	Method
1000385683	Canfor	36-040-01	0	1354	1354	17-Aug-20	Summer	Apsassin Creek	Subgrade
1000385683	Canfor	36-040-01	354	580	226	15-Jul-20	Summer	Apsassin Creek	Surfacing
1000385683	Canfor	36-040-01	698	882	184	15-Jul-20	Summer	Apsassin Creek	Surfacing
1000385685	Canfor	36-040-03	0	720	720	17-Aug-20	Summer	Apsassin Creek	Subgrade
1004320775	Canfor	36-040-04	0	836	836	17-Aug-20	Summer	Apsassin Creek	Subgrade
1000385686	Canfor	36-040-05	0	381	381	17-Aug-20	Summer	Apsassin Creek	Subgrade
1000385687	Canfor	36-040-06	0	320	320	17-Aug-20	Summer	Apsassin Creek	Subgrade
1000386581	Canfor	36-041-00	0	1098	1098	17-Aug-20	Summer	Apsassin Creek	Subgrade
1000386581	Canfor	36-041-00	165	975	810	20-Jul-20	Summer	Apsassin Creek	Surfacing
1004311850	Canfor	36-055-00	0	1445	1445	15-Nov-20	Summer	Apsassin Creek	Subgrade
1004325345	Canfor	36-055-01	0	399	399	15-Nov-20	Summer	Apsassin Creek	Subgrade
1004313291	Canfor	36-065-00	0	1771	1771	15-Nov-20	Summer	Apsassin Creek	Subgrade
1004310957	Canfor	36-066-00	0	624	624	15-Nov-20	Summer	Apsassin Creek	Subgrade
1000386548	Canfor	36-071-00	0	4185	4185	15-Nov-20	Winter	Apsassin Creek	Reconstructi on
1004311297	Canfor	36-081-00	0	1172	1172	15-Oct-20	Summer	Apsassin Creek	Subgrade
1004311298	Canfor	36-081-01	0	553	553	15-Sep-20	Summer	Apsassin Creek	Subgrade
1004311299	Canfor	36-081-02	0	742	742	15-Sep-20	Summer	Apsassin Creek	Subgrade
1004311300	Canfor	36-081-03	0	1308	1308	15-Oct-20	Summer	Apsassin Creek	Subgrade
1004311301	Canfor	36-081-04	0	1663	1663	15-Oct-20	Summer	Apsassin Creek	Subgrade
1004311302	Canfor	36-081-05	0	958	958	15-Oct-20	Summer	Apsassin Creek	Subgrade
1004311304	Canfor	36-081-06	0	1171	1171	15-Oct-20	Summer	Apsassin Creek	Subgrade
1004314508	Canfor	36-110-00	0	621	621	17-Aug-20	Summer	Apsassin Creek	Subgrade
1004318011	Canfor	36-113-00	0	1936	1936	15-Dec-20	Summer	Apsassin Creek	Subgrade
1004318012	Canfor	36-114-00	0	1316	1316	15-Dec-20	Summer	Apsassin Creek	Subgrade
1004315653	Canfor	36-115-00	0	1554	1554	15-Nov-20	Summer	Apsassin Creek	Subgrade
1004315654	Canfor	36-115-01	0	808	808	15-Nov-20	Summer	Apsassin Creek	Subgrade
1004315655	Canfor	36-115-02	0	356	356	15-Nov-20	Summer	Apsassin Creek	Subgrade
1004315663	Canfor	36-116-00	0	1093	1093	15-Nov-20	Summer	Apsassin Creek	Subgrade
1004315664	Canfor	36-116-01	0	1623	1623	15-Nov-20	Summer	Apsassin Creek	Subgrade
1004315665	Canfor	36-116-02	0	325	325	15-Nov-20	Summer	Apsassin Creek	Subgrade
1004315666	Canfor	36-116-03	0	333	333	15-Nov-20	Summer	Apsassin Creek	Subgrade



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ROAD_SEQ_NBR	Road Steward	Road Name	POC	POT	Road Length (m)	Completion Date	Season	Operating Area	Method
1000022423	Canfor	45-035-00	1347	2296	949	20-Apr-20	Summer	West Farrell Creek	Reactivated
1000311781	Canfor	45-095-00	0	799	799	8-Apr-20	Summer	West Farrell Creek	Subgrade
1000311780	Canfor	45-095-01	0	564	564	8-Apr-20	Summer	West Farrell Creek	Subgrade
1000311782	Canfor	45-095-02	0	473	473	8-Apr-20	Summer	West Farrell Creek	Subgrade
1000311783	Canfor	45-095-03	0	563	563	21-Apr-20	Summer	West Farrell Creek	Subgrade
1000311831	Canfor	45-102-00	0	732	732	21-Apr-20	Summer	West Farrell Creek	Subgrade
1004316942	Canfor	45-111-00	0	2772	2218	7-Dec-20	Summer	West Farrell Creek	Subgrade
1004316943	Canfor	45-111-01	0	408	408	7-Dec-20	Summer	West Farrell Creek	Subgrade
320003277	Canfor	218-200	0	570	570	2-Nov-20	Winter	Kobes Creek	Reactivated
320002855	Canfor	219 Road	0	8882	8882	1-Nov-20	Winter	Kobes Creek	Reactivated
320003903	Canfor	203-700	0	2313	2313	15-Oct-20	Winter	Kobes Creek	Reactivated
1000319474	Canfor	S24-062-01	0	884	884	4-Nov-20	Summer	Jedney Creek	Subgrade
1004313641	Canfor	S24-080-00	0	744	744	15-Jan-21	Summer	Jedney Creek	Subgrade
1004313642	Canfor	S24-080-01	0	455	455	15-Jan-21	Summer	Jedney Creek	Subgrade
1004314247	Canfor	S24-084-00	0	320	320	15-Nov-20	Summer	Jedney Creek	Subgrade

**Table 38: Licencee Deactivation Activities for April 1st, 2020-March 31st, 2021**

Steward Name	Road Name	Start Metre	End Metre	Road Length (m)	Deactivation Date	Method	Operating Area	Access Type	Deactivation Level
Louisiana-Pacific	01-219-00	0	3,622	3,622	9-Oct-20	Cross Ditches	Inga Lake	Quad/ATV	Semi-Permanent
Canfor	01-297-00	0	1,014	1,014	23-Jun-20	Water Bars	Inga Lake	Quad/ATV	Semi-Permanent
Canfor	01-298-00	0	1,364	1,364	24-Jun-20	Water Bars	Inga Lake	Quad/ATV	Semi-Permanent
Canfor	01-298-01	0	599	599	24-Jun-20	Water Bars	Inga Lake	Quad/ATV	Semi-Permanent
Canfor	01-299-00	0	1,012	1,012	22-Apr-20	Water Bars	Inga Lake	Quad/ATV	Semi-Permanent
Canfor	01-299-01	0	484	484	22-Apr-20	Water Bars	Inga Lake	Quad/ATV	Semi-Permanent
Canfor	01-317-00	0	103	103	21-Aug-20	Combination	Inga Lake	Quad/ATV	Permanent
Canfor	01-317-01	0	100	100	21-Aug-20	Combination	Inga Lake	Quad/ATV	Permanent
Canfor	01-343-00	0	526	526	21-Aug-20	Combination	Inga Lake	Quad/ATV	Permanent
Canfor	01-343-01	0	381	381	21-Aug-20	Combination	Inga Lake	Quad/ATV	Permanent
Canfor	01-345-00	0	430	430	21-Aug-20	Combination	Inga Lake	Quad/ATV	Permanent
Canfor	01-345-01	0	243	243	21-Aug-20	Combination	Inga Lake	Quad/ATV	Permanent
Canfor	01-351-00	0	147	147	21-Aug-20	Combination	Inga Lake	Quad/ATV	Permanent
Canfor	04-241-00	1,664	2,749	1,085	22-Oct-20	Combination	Wonowon	No Access	Semi-Permanent
Canfor	05-046-00	0	540	540	27-Oct-20	Integrated	Aikman Creek	Quad/ATV	Semi-Permanent
Canfor	05-046-01	0	96	96	27-Oct-20	Integrated	Aikman Creek	Quad/ATV	Semi-Permanent
Canfor	05-047-02	0	1,161	1,161	30-Oct-20	Integrated	Aikman Creek	Quad/ATV	Semi-Permanent



Steward Name	Road Name	Start Metre	End Metre	Road Length (m)	Deactivation Date	Method	Operating Area	Access Type	Deactivation Level
Canfor	05-047-03	0	623	623	30-Oct-20	Integrated	Aikman Creek	Quad/ATV	Semi-Permanent
Canfor	05-139-00	0	574	574	11-Dec-20	Combination	Aikman Creek	Quad/ATV	Semi-Permanent
Canfor	05-141-00	0	1,303	1,303	18-Sep-20	Combination	Aikman Creek	Quad/ATV	Semi-Permanent
Canfor	05-141-01	0	559	559	11-Sep-20	Cross Ditches	Aikman Creek	Quad/ATV	Semi-Permanent
Canfor	05-166-00	14	239	225	19-Nov-20	Combination	Aikman Creek	Quad/ATV	Semi-Permanent
Canfor	05-181-00	0	122	122	15-Jan-21	Combination	Aikman Creek	Quad/ATV	Semi-Permanent
Canfor	07-147-00	0	2,114	2,114	9-Mar-21	Cross Ditches	Donnie Creek	Quad/ATV	Permanent
Canfor	07-147-01	0	302	302	9-Mar-21	Cross Ditches	Donnie Creek	Quad/ATV	Permanent
Canfor	07-148-00	0	302	302	19-Mar-21	Cross Ditches	Donnie Creek	Quad/ATV	Permanent
Canfor	09-115-02	0	824	824	8-Oct-20	Combination	Kobes Creek	Quad/ATV	Semi-Permanent
Canfor	09-165-01	0	1,232	1,232	25-Jan-21	WBCD	Kobes Creek	Quad/ATV	Permanent
Canfor	09-165-02	0	1,714	1,714	25-Jan-21	WBCD	Kobes Creek	Quad/ATV	Permanent
Canfor	09-165-03	0	238	238	25-Jan-21	WBCD	Kobes Creek	Quad/ATV	Permanent
Canfor	19-101-00	0	1,424	1,424	22-Jan-21	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
Canfor	19-102-00	0	1,623	1,623	20-Oct-20	Prescription	Laprise Creek	No Access	Permanent
Canfor	19-108-00	0	472	472	18-Jan-21	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
Canfor	19-108-01	0	338	338	18-Jan-21	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
Canfor	19-109-00	0	1,170	1,170	20-Jan-21	Cross Ditches	Laprise Creek	Quad/ATV	Permanent



Steward Name	Road Name	Start Metre	End Metre	Road Length (m)	Deactivation Date	Method	Operating Area	Access Type	Deactivation Level
Canfor	19-109-01	0	391	391	20-Jan-21	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
Canfor	19-110-00	0	735	735	26-Jan-21	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
Canfor	19-111-00	0	1,157	1,157	6-Nov-20	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
Canfor	19-113-02	0	755	755	28-Jan-21	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
Canfor	19-113-03	0	556	556	28-Jan-21	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
Canfor	19-115-00	0	680	680	11-Nov-20	Combination	Laprise Creek	Quad/ATV	Permanent
Canfor	19-115-01	0	1,678	1,678	9-Nov-20	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
Canfor	19-115-02	0	110	110	5-Nov-20	Combination	Laprise Creek	No Access	Permanent
Canfor	19-115-04	0	249	249	11-Nov-20	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
Canfor	19-115-05	0	331	331	9-Nov-20	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
Canfor	19-116-00	0	949	949	23-Oct-20	Combination	Laprise Creek	Quad/ATV	Permanent
Canfor	19-116-10	0	1,319	1,319	23-Oct-20	Combination	Laprise Creek	No Access	Permanent
Canfor	19-138-00	0	1,501	1,501	24-Nov-20	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
Canfor	19-138-01	0	1,463	1,463	24-Nov-20	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
Canfor	19-138-02	0	862	862	24-Nov-20	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
Canfor	19-138-06	0	513	513	24-Nov-20	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
Canfor	20-078-00	0	1,948	1,948	9-Apr-20	Combination	Cypress Creek	Quad/ATV	Permanent
Canfor	20-078-01	0	1,429	1,429	9-Apr-20	Combination	Cypress Creek	Quad/ATV	Permanent



Steward Name	Road Name	Start Metre	End Metre	Road Length (m)	Deactivation Date	Method	Operating Area	Access Type	Deactivation Level
Canfor	21-046-00	0	3,000	3,000	30-Mar-21	Cross Ditches	Trutch Creek	Quad/ATV	Permanent
Canfor	21-046-01	0	349	349	30-Mar-21	Cross Ditches	Trutch Creek	Quad/ATV	Permanent
Canfor	21-046-02	0	1,244	1,244	30-Mar-21	Cross Ditches	Trutch Creek	Quad/ATV	Permanent
Canfor	24-049-00	0	1,802	1,802	22-Feb-21	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
Canfor	24-049-01	0	266	266	22-Feb-21	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
Canfor	24-050-00	0	2,219	2,219	22-Feb-21	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
Canfor	24-233-00	0	857	857	1-Dec-20	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
Canfor	24-233-01	0	318	318	1-Dec-20	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
Canfor	24-264-00	0	2,265	2,265	27-Nov-20	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
Canfor	24-277-00	0	1,697	1,697	7-Jan-21	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
Canfor	24-277-01	0	611	611	7-Jan-21	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
Canfor	24-366-00	0	510	510	2-Mar-21	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
Canfor	24-372-01	0	255	255	15-Dec-20	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
Canfor	24-373-00	0	4,847	4,847	5-Jan-21	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
Canfor	24-373-00	2,867	3,678	811	5-Jan-21	Combination	Jedney Creek	No Access	Permanent
Canfor	24-373-01	0	444	444	5-Jan-21	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
Canfor	24-373-02	0	270	270	5-Jan-21	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
Canfor	24-394-00	0	274	274	2-Dec-20	Cross Ditches	Jedney Creek	Quad/ATV	Permanent



Steward Name	Road Name	Start Metre	End Metre	Road Length (m)	Deactivation Date	Method	Operating Area	Access Type	Deactivation Level
Canfor	24-394-01	0	562	562	2-Dec-20	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
Canfor	24-394-02	0	215	215	2-Dec-20	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
Canfor	36-040-05	0	381	381	4-Dec-20	Cross Ditches	Apsassin Creek	Quad/ATV	Permanent
Canfor	36-041-01	0	607	607	2-Apr-20	Cross Ditches	Apsassin Creek	Quad/ATV	Semi-Permanent
Canfor	36-055-00	0	1,445	1,445	15-Jan-21	Cross Ditches	Apsassin Creek	Quad/ATV	Permanent
Canfor	36-055-01	0	399	399	15-Jan-21	Cross Ditches	Apsassin Creek	Quad/ATV	Permanent
Canfor	36-065-00	0	1,771	1,771	15-Dec-20	Cross Ditches	Apsassin Creek	Quad/ATV	Permanent
Canfor	36-066-00	0	624	624	11-Jan-21	Cross Ditches	Apsassin Creek	Quad/ATV	Permanent
Canfor	36-071-00	0	4,185	4,185	13-Jan-21	Cross Ditches	Apsassin Creek	Quad/ATV	Permanent
Canfor	36-110-00	0	621	621	3-Dec-20	Cross Ditches	Apsassin Creek	Quad/ATV	Temporary
Canfor	36-113-00	0	1,936	1,936	19-Feb-21	Cross Ditches	Apsassin Creek	Quad/ATV	Permanent
Canfor	36-114-00	0	1,316	1,316	19-Feb-21	Cross Ditches	Apsassin Creek	Quad/ATV	Permanent
Canfor	36-115-00	0	1,554	1,554	3-Feb-21	Cross Ditches	Apsassin Creek	Quad/ATV	Permanent
Canfor	36-115-01	0	808	808	3-Feb-21	Cross Ditches	Apsassin Creek	Quad/ATV	Permanent
Canfor	36-115-02	0	356	356	3-Feb-21	Cross Ditches	Apsassin Creek	Quad/ATV	Permanent
Canfor	36-116-00	0	1,093	1,093	21-Jan-21	Cross Ditches	Apsassin Creek	Quad/ATV	Permanent
Canfor	36-116-01	0	1,623	1,623	21-Jan-21	Cross Ditches	Apsassin Creek	Quad/ATV	Permanent
Canfor	36-116-02	0	325	325	21-Jan-21	Cross Ditches	Apsassin Creek	Quad/ATV	Permanent



Steward Name	Road Name	Start Metre	End Metre	Road Length (m)	Deactivation Date	Method	Operating Area	Access Type	Deactivation Level
Canfor	36-116-03	0	333	333	21-Jan-21	Cross Ditches	Apsassin Creek	Quad/ATV	Permanent
Canfor	45-085-01	0	536	536	19-Sep-20	Combination	West Farrell Creek	Walk/Trail	Semi-Permanent
Canfor	45-085-02	0	307	307	19-Sep-20	Combination	West Farrell Creek	Quad/ATV	Semi-Permanent
Canfor	45-089-00	0	2,352	2,352	31-Mar-21	Cross Ditches	West Farrell Creek	Quad/ATV	Semi-Permanent
Canfor	45-090-01	0	2,186	2,186	31-Mar-21	Cross Ditches	West Farrell Creek	Quad/ATV	Semi-Permanent
Canfor	45-090-01	0	2,186	2,186	7-Apr-20	Cross Ditches	West Farrell Creek	Quad/ATV	Semi-Permanent
Canfor	45-090-02	0	4,435	4,435	2-Apr-20	Cross Ditches	West Farrell Creek	Quad/ATV	Semi-Permanent
Canfor	45-090-03	0	1,009	1,009	2-Apr-20	Cross Ditches	West Farrell Creek	Quad/ATV	Semi-Permanent
Canfor	45-093-01	0	3,082	3,082	19-Sep-20	Combination	West Farrell Creek	Quad/ATV	Semi-Permanent
Canfor	45-093-02	0	376	376	19-Sep-20	Combination	West Farrell Creek	Quad/ATV	Semi-Permanent
Canfor	45-093-03	0	656	656	19-Sep-20	Combination	West Farrell Creek	Quad/ATV	Semi-Permanent
Canfor	45-093-04	0	555	555	19-Sep-20	Combination	West Farrell Creek	Quad/ATV	Semi-Permanent
Canfor	45-093-05	0	336	336	19-Sep-20	Combination	West Farrell Creek	Quad/ATV	Semi-Permanent
Canfor	45-102-00	0	732	732	17-Feb-21	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
Canfor	45-111-00	0	2,772	2,772	28-Jan-21	WBCD	West Farrell Creek	Quad/ATV	Permanent
Canfor	45-111-01	0	408	408	28-Jan-21	Water Bars	West Farrell Creek	Quad/ATV	Permanent
Canfor	R-45-C	0	2,005	2,005	9-Apr-20	Cross Ditches	off Beryl Prairie Road	Quad/ATV	Semi-Permanent
Canfor	R-45-C	0	2,005	2,005	29-Mar-21	Cross Ditches	off Beryl Prairie Road	Quad/ATV	Semi-Permanent



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Steward Name	Road Name	Start Metre	End Metre	Road Length (m)	Deactivation Date	Method	Operating Area	Access Type	Deactivation Level
Canfor	S24-062-01	0	884	884	5-Jan-21	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
Canfor	S24-080-00	0	744	744	24-Feb-21	Cross Ditches	Jedney Creek	Quad/ATV	Permanent
Canfor	S24-080-01	0	455	455	24-Feb-21	Cross Ditches	Jedney Creek	Quad/ATV	Permanent

* ATV – All-terrain vehicle



Table 39: Licensee Access Structure Activities for April 1st, 2021 - March 31st, 2022

Road Name	Structure Location (m)	Installation Date	Structure Type
03-099-00	0	15-Nov-20	Pipeline Xing - Single
05-147-00	20	20-Aug-20	Pipeline Xing - Multiple
07-148-00	9	2-Feb-21	Pipeline Crossing
09-021-04	321	10-Nov-20	Pipeline Crossing
19-115-00	26	15-Oct-20	Pipeline Xing - Single
19-115-05	77	15-Oct-20	Pipeline Xing - Single
19-138-00	2	15-Sep-20	Pipeline Xing - Single
19-138-06	88	15-Sep-20	Pipeline Xing - Single
24-050-00	75	15-Jan-21	Pipeline Xing - Single
24-233-01	129	15-Oct-20	Pipeline Xing - Multiple
24-277-00	836	15-Nov-20	Pipeline Xing - Multiple
24-394-01	103	4-Nov-20	Pipeline Crossing
Numac Plant Road	6,255	12-Aug-20	Bridge
S24-062-01	7	4-Nov-20	Pipeline Xing - Multiple
03-099-00	0	15-Nov-20	Pipeline Xing - Single



**Table 40: Annual Report on Roads Constructed in the Fort St. John BCTS field office area for
April 1st, 2021, to March 31st, 2022.**

Steward Name	Road Name	Start (m)	End (m)	Length (m)	Completion Date	Season	Operating Area	Method
BCTS	TA1528-05028-A	0	1713	1713	2021-11-24	Winter	Aikman Creek	New Road
BCTS	TA0261-05152-A	0	463	463	2021-04-12	Winter	Aikman Creek	Road Permit
BCTS	TA0261-05152-A	463	1476	1013	2021-04-12	Winter	Aikman Creek	New Road
BCTS	A94090-23053-B	0	3162	3162	2021-04-12	Winter	Aikman Creek	Road Permit
BCTS	A94059-05079-A	0	2019	2019	2021-08-10	Winter	Aikman Creek	New Road
BCTS	A94059-05085-A	0	1077	1077	2021-08-10	Winter	Aikman Creek	New Road
BCTS	A94059-05079-01	0	770	770	2021-08-05	Winter	Aikman Creek	New Road
BCTS	A94059-05079-02	0	1185	1185	2021-08-05	Winter	Aikman Creek	New Road
BCTS	A94059-05079-03	0	229	229	2021-08-05	Winter	Aikman Creek	New Road
BCTS	A94059-05079-04	0	181	181	2021-08-05	Winter	Aikman Creek	New Road
BCTS	TA1145-36109-A	0	168	168	2022-01-19	Winter	Apsassin Creek	New Road
BCTS	A95066-36073-06	0	1200	1200	2022-01-19	Winter	Apsassin Creek	Road Permit
BCTS	TA0611-36082-A	0	673	673	2022-01-19	Winter	Apsassin Creek	Road Permit
BCTS	TA0611-36082-A	673	1354	681	2022-01-19	Winter	Apsassin Creek	New Road
BCTS	TA0611-36082-01	0	603	603	2022-01-19	Winter	Apsassin Creek	New Road
BCTS	TA0611-36083-A	0	7291	7291	2022-01-19	Winter	Apsassin Creek	Road Permit
BCTS	TA0611-36083-01	0	142	142	2022-01-19	Winter	Apsassin Creek	Road Permit
BCTS	TA0611-36083-01	142	253	111	2022-01-19	Winter	Apsassin Creek	New Road
BCTS	TA0261-05151-01	0	2149	2149	2021-04-12	Winter	Cameron River	New Road
BCTS	TA0226-19096-01	0	1010	1010	2021-12-13	Winter	Black Creek	New Road
BCTS	TA0226-19097-01	0	555	555	2021-04-13	Winter	Black Creek	New Road
BCTS	TA0226-19097-02	0	701	701	2021-04-13	Winter	Black Creek	New Road
BCTS	TA0226-19097-04	0	199	199	2021-04-13	Winter	Black Creek	New Road
BCTS	A92981-38015-A	0	1721	1721	2021-09-28	Winter	Black Creek	New Road
BCTS	TA0661-38040-A	0	1491	1491	2021-12-27	Winter	Black Creek	New Road
BCTS	TA0661-38040-01	0	492	492	2021-12-27	Winter	Black Creek	New Road



Steward Name	Road Name	Start (m)	End (m)	Length (m)	Completion Date	Season	Operating Area	Method
BCTS	TA0661-38040-02	0	378	378	2021-12-27	Winter	Black Creek	New Road
BCTS	TA0661-38040-03	0	209	209	2021-12-27	Winter	Black Creek	New Road
BCTS	TA0661-38041-01	0	595	595	2021-12-13	Winter	Black Creek	New Road
BCTS	TA0661-38041-02	0	444	444	2021-12-13	Winter	Black Creek	New Road
BCTS	TA0661-38041-03	0	312	312	2021-12-13	Winter	Black Creek	New Road
BCTS	TA0661-38042-A	0	1183	1183	2022-01-03	Winter	Black Creek	New Road
BCTS	TA0661-38043-A	0	646	646	2022-01-27	Winter	Black Creek	New Road
BCTS	TA0661-38043-02	0	488	488	2022-01-27	Winter	Black Creek	New Road
BCTS	TA0116-06132-A	0	131	131	2021-10-21	Winter	Blair Creek	New Road
BCTS	TA0116-06132-A	131	706	575	2021-10-22	Winter	Blair Creek	Road Permit
BCTS	TA0217-07082-A	148	2451	2303	2021-12-22	Winter	Donnie Creek	New Road
BCTS	TA0252-01147- Access-Road	0	626	626	2022-03-25	Winter	Inga Lake	New Road
BCTS	TA0252-01147-A	0	720	720	2022-03-25	Winter	Inga Lake	Reactivate
BCTS	TA0664-24382-02	0	518	518	2022-02-10	Winter	Jedney Creek	Road Permit
BCTS	TA0664-24377-A	341	611	270	2022-02-25	Winter	Jedney Creek	New Road
BCTS	TA0664-24377-A	611	1574	963	2022-02-25	Winter	Jedney Creek	New Road
BCTS	TA0664-24378-A	2396	3513	1117	2022-02-28	Winter	Jedney Creek	Road Permit
BCTS	TA0664-24378-A	3513	4540	1027	2022-03-11	Winter	Jedney Creek	New Road
BCTS	TA0678-24380-A	0	82	82	2022-02-11	Winter	Jedney Creek	Road Permit
BCTS	TA0678-24380-A	82	350	268	2022-02-11	Winter	Jedney Creek	New Road
BCTS	TA0678-24380-01	0	1007	1007	2022-03-10	Winter	Jedney Creek	New Road
BCTS	TA0678-24380-02	0	353	353	2022-02-11	Winter	Jedney Creek	New Road
BCTS	TA0678-24382-01	0	22	962	2022-02-11	Winter	Jedney Creek	New Road
BCTS	TA0678-24382-01	22	984	962	2022-02-11	Winter	Jedney Creek	New Road
BCTS	620-200	1674	2094	420	2022-02-10	Winter	Jedney Creek	Road Permit
BCTS	A95319-09131-01	0	581	581	2021-08-04	Winter	Kobes Creek	New Road
BCTS	TA0629-09121-B	0	131	131	2021-11-08	Winter	Kobes Creek	New Road
BCTS	TA0629-09164-A	232	1510	1278	2021-11-08	Winter	Kobes Creek	New Road
BCTS	A95319-09131-A	0	1472	1472	2021-08-04	Winter	Kobes Creek	New Road



Steward Name	Road Name	Start (m)	End (m)	Length (m)	Completion Date	Season	Operating Area	Method
BCTS	A95319-09075-01	0	182	182	2021-08-04	Winter	Kobes Creek	New Road
BCTS	TA0629-09164-01	0	598	598	2021-11-08	Winter	Kobes Creek	New Road
BCTS	A95319-09075-02	0	362	362	2021-08-04	Winter	Kobes Creek	New Road
BCTS	TA0629-09164-A	0	232	232	2021-11-08	Winter	Kobes Creek	New Road
BCTS	A92981-19062-01	0	296	296	2021-11-30	Winter	Laprise Creek	New Road
BCTS	A92981-19062-A	0	1211	1211	2021-11-30	Winter	Laprise Creek	Road Permit
BCTS	A92981-19062-A	1211	1650	439	2021-11-30	Winter	Laprise Creek	New Road
BCTS	A92981-19063-01	0	1146	1146	2021-04-14	Winter	Laprise Creek	New Road
BCTS	A92981-19063-01	1146	1207	61	2021-04-14	Winter	Laprise Creek	Road Permit
BCTS	TA0661-38038-A	0	1881	1881	2021-12-07	Winter	Laprise Creek	New Road
BCTS	TA1100-45014-01	0	857	857	2021-11-10	Winter	West Farrell Creek	New Road
BCTS	TA1100-45015-A	0	1829	1829	2021-10-13	Winter	West Farrell Creek	Road Permit
BCTS	TA1100-45015-A	1829	2521	692	2021-10-13	Winter	West Farrell Creek	New Road
BCTS	TA0242-45101-A	0	1253	1253	2021-12-20	Winter	West Farrell Creek	New Road
	Total (m)			62,059				



Table 41: Annual Report on Roads Deactivated in the Fort St John BCTS field office area for April 1st, 2021, to March 31st, 2022

Steward	Road Name	Start Chainage (m)	End Chainage (m)	Length (m)	Deactivation Date	Method	Operating Area	Access Type*	Level
BCTS	TA0242-45097-B	0	440	440	2022-03-01	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	A95319-09131-01	0	581	581	2022-02-24	Cross Ditches	Kobes Creek	ATV	Permanent
BCTS	A94059-05079-03	0	229	229	2021-12-09	Pullback	Aikman Creek	Walk	Permanent
BCTS	A94059-05079-04	0	181	181	2021-12-09	Pullback	Aikman Creek	Walk	Permanent
BCTS	TA0661-38040-02	0	378	378	2022-03-15	Pullback	Black Creek	Walk	Permanent
BCTS	TA0213-19083-01	0	516	516	2021-04-14	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
BCTS	TA0226-19096-01	0	1010	1010	2022-03-31	Cross Ditches	Laprise Creek	ATV	Permanent
BCTS	TA0242-45097-Access	0	213	213	2022-03-01	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	TA0242-45097-A	736	1219	483	2022-03-01	Permanent	West Farrell Creek	Walk	Permanent
BCTS	TA0242-45097-A	0	736	736	2022-03-01	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	TA0242-45096-04	0	449	449	2022-03-01	Pullback	West Farrell Creek	Walk	Permanent
BCTS	A95615-45053-01	0	226	226	2021-12-18	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	A95615-45053-D	0	201	201	2021-12-18	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	TA0213-19069-02	0	304	304	2021-04-14	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
BCTS	TA0213-19065-02	0	345	345	2021-04-14	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
BCTS	TA0226-19097-02	0	701	701	2022-03-31	Cross Ditches	Laprise Creek	ATV	Permanent
BCTS	TA0226-19097-04	0	199	199	2022-03-31	Cross Ditches	Laprise Creek	ATV	Permanent
BCTS	TA1528-05057-C	0	407	407	2022-01-25	Cross Ditches	Aikman Creek	Quad/ATV	Permanent
BCTS	TA0661-38038-A	0	1562	1562	2022-03-15	Cross Ditches	Black Creek	Quad/ATV	Permanent
BCTS	TA0661-38038-A	1562	1881	319	2022-03-15	Pullback	Black Creek	Walk	Permanent
BCTS	TA0661-38040-A	0	1491	1491	2022-03-15	Cross Ditches	Black Creek	Quad/ATV	Permanent
BCTS	A94059-05085-A	0	1077	1077	2021-10-15	Pullback	Aikman Creek	NONE	Permanent
BCTS	A94059-05079-A	0	2019	2019	2021-12-09	Pullback	Aikman Creek	Walk	Permanent
BCTS	A94059-05079-01	0	770	770	2021-12-09	Pullback	Aikman Creek	Walk	Permanent
BCTS	A94059-05079-02	0	1185	1185	2021-12-09	Cross Ditches	Aikman Creek	Walk	Permanent
BCTS	TA0629-09121-A	0	2123	2123	2022-03-01	Pullback	Kobes Creek	Walk	Permanent



Steward	Road Name	Start Chainage (m)	End Chainage (m)	Length (m)	Deactivation Date	Method	Operating Area	Access Type*	Level
BCTS	TA0629-09121-01	0	474	474	2022-03-01	Pullback	Kobes Creek	Walk	Permanent
BCTS	A92981-19062-01	0	296	296	2022-01-30	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
BCTS	A92981-19063-01	0	1207	1207	2022-01-30	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
BCTS	A95319-09131-A	0	1472	1472	2022-02-24	Cross Ditches	Kobes Creek	Quad/ATV	Permanent
BCTS	A95319-09075-01	0	182	182	2022-02-24	Cross Ditches	Kobes Creek	Quad/ATV	Permanent
BCTS	A95319-09075-02	0	362	362	2022-02-04	Cross Ditches	Kobes Creek	Quad/ATV	Permanent
BCTS	TA1100-45015-A	0	2521	2521	2021-11-11	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	TA1100-45014-01	0	857	857	2021-12-11	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	TA0625-10061-A	0	1368	1368	2021-12-31	Pullback	Blue Grave Creek	Walk	Permanent
BCTS	A92981-38015-A	0	1721	1721	2022-01-30	Cross Ditches	Black Creek	Quad/ATV	Permanent
BCTS	A95615-45053-C	0	350	350	2021-12-18	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	A95615-45053-B	0	159	159	2021-12-18	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	A95615-45053-E	0	368	368	2021-12-18	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	A95615-45053-A	0	134	134	2021-12-18	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	TA0226-19097-01	0	555	555	2022-03-31	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
BCTS	A92981-19062-A	0	1650	1650	2022-01-30	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
BCTS	TA0213-19065-01	0	455	455	2021-04-14	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
BCTS	TA0213-19069-06	0	1954	1954	2021-04-14	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
BCTS	TA0213-19065-03	0	274	274	2021-04-14	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
BCTS	TA0213-19083-A	0	1176	1176	2021-04-14	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
BCTS	TA0213-19069-01	0	1230	1230	2021-04-14	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
BCTS	TA0213-19069-04	0	1181	1181	2021-04-14	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
BCTS	TA0213-19069-05	0	972	972	2021-04-14	Cross Ditches	Laprise Creek	Quad/ATV	Permanent
BCTS	TA0661-38043-A	308	646	338	2022-03-15	Pullback	Black Creek	Walk	Permanent
BCTS	TA0661-38043-A	0	308	308	2022-03-15	Cross Ditches	Black Creek	Quad/ATV	Permanent
BCTS	A94090-23053-B	0	3162	3162	2021-11-15	Cross Ditches	Cameron River	Quad/ATV	Permanent
BCTS	TA0242-45097-01	346	644	298	2022-03-01	Pullback	West Farrell Creek	Walk	Permanent
BCTS	TA0242-45097-01	0	346	346	2022-03-01	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	TA0242-45096-A	0	1685	1685	2022-03-01	Cross Ditches	West Farrell Creek	Quad/ATV	Permanent
BCTS	TA0242-45096-A	1685	2040	355	2022-03-01	Pullback	West Farrell Creek	Walk	Permanent



Steward	Road Name	Start Chainage (m)	End Chainage (m)	Length (m)	Deactivation Date	Method	Operating Area	Access Type*	Level
BCTS	TA0242-45096-03	0	297	297	2022-03-01	Pullback	West Farrell Creek	Walk	Permanent
BCTS	TA0261-05152-A	0	1476	1476	2021-11-15	Pullback	Aikman Creek	Walk	Permanent
BCTS	TA0625-10071-A	0	174	174	2021-12-31	Cross Ditches	Blue Grave Creek	Quad/ATV	Permanent
BCTS	TA0661-38043-02	0	488	488	2022-03-15	Pullback	Black Creek	Walk	Permanent
BCTS	TA0661-38040-03	0	209	209	2022-03-15	Pullback	Black Creek	Walk	Permanent
BCTS	TA0661-38040-01	0	492	492	2022-03-15	Pullback	Black Creek	Walk	Permanent
BCTS	TA0661-38042-A	0	1183	1183	2022-03-15	Cross Ditches	Black Creek	Quad/ATV	Permanent
BCTS	TA0661-38041-01	0	595	595	2022-03-15	Pullback	Black Creek	Walk	Permanent
BCTS	TA0661-38041-02	0	444	444	2022-03-15	Pullback	Black Creek	Walk	Permanent
BCTS	TA0629-09164-A	0	1510	1510	2022-03-01	Cross Ditches	Kobes Creek	Quad/ATV	Permanent
BCTS	TA0629-09164-01	0	598	598	2022-03-01	Pullback	Kobes Creek	Walk	Permanent
BCTS	TA0661-38041-03	0	312	312	2022-03-15	Pullback	Black Creek	Walk	Permanent
BCTS	TA0261-05151-01	0	2149	2149	2021-11-30	Pullback	Aikman Creek	Walk	Permanent
BCTS	TA1528-05028-A	1444	1713	269	2022-01-25	Pullback	Aikman Creek	Walk	Permanent
BCTS	TA1528-05028-A	0	1444	1444	2022-01-25	Cross Ditches	Aikman Creek	Quad/ATV	Permanent
BCTS	TA1528-05057-02	0	545	545	2022-01-14	Pullback	Aikman Creek	Quad/ATV	Permanent
BCTS	TA1528-05057-01	0	682	682	2022-01-25	Pullback	Aikman Creek	Quad/ATV	Permanent
BCTS	TA0625-10064-A	0	509	509	2022-02-25	Cross Ditches	Blue Grave Creek	Quad/ATV	Permanent
BCTS	TA0625-10064-A	509	1719	1210	2022-02-25	Pullback	Blue Grave Creek	Walk	Permanent
BCTS	TA0625-10064-01	0	1680	1680	2022-02-25	Pullback	Blue Grave Creek	Walk	Permanent
BCTS	TA0625-10061-B	0	217	217	2021-12-31	Pullback	Blue Grave Creek	Walk	Permanent



Appendix 4: Reforestation



Table 42: BCTS Establishment Delay Complete (Inventory Label) 2021

Harvest Date	Opening	Licence	Permit	Block ID	Activity	Regen Met Date	Stratum	Area	Layer	Sp. 1*	Sp 1 %	Sp. 2*	Sp 2 %
2014-11-01	94A 054 096	A90800		01202	Regen/Stocking(Walkthrough)	2021-07-02	A	7.392792	I	At	100		
2014-11-01	94A 054 096	A90800		01202	Regen/Stocking(Walkthrough)	2021-07-21	C	4.421578	I	At	80	Sx	20
2019-12-20	94A 042 043	TA0250		01226	Planting(Walkthrough)	2021-07-24	B	8.1437	I	Ac	60	Sx	30
2019-12-20	94A 042 043	TA0250		01226	Planting(Walkthrough)	2021-07-24	A	11.5407	I	Sx	50	At	40
2017-01-02	94G 010 033	A93670		03043	Planting(Walkthrough)	2021-07-26	A	27.8882	I	At	60	Sx	30
2016-01-24	94A 061 054	A92970		04066	Planting(Walkthrough)	2021-07-22	B	18.6599	I	Sw	90	At	10
2015-01-02	94A 071 067	A90903		04141	Planting(Walkthrough)	2021-10-06	A	43.3165	I	Ac	40	At	40
2015-01-02	94A 071 067	A90903		04141	Decid Regen Performance - FSJ	2021-10-06	B	15.582	I	Ac	60	At	40
2016-01-12	94A 061 058	A92971		04190	Decid Regen Performance - FSJ	2021-06-27	B	5.4128	I	At	100		
2019-09-06	94A 062 113	A94069		04232	Planting(Walkthrough)	2021-07-03	A	54.2161	I	At	40	PI	40
2020-03-24	94A 051 028	TA0108		05066	Planting(Walkthrough)	2021-07-13	A	9.4314	I	Sx	50	At	30
2020-03-06	94A 051 029	TA0108		05067	Planting(Walkthrough)	2021-07-13	B	23.3959	I	At	80	Sx	20
2020-03-06	94A 051 029	TA0108		05067	Planting(Walkthrough)	2021-07-13	A	45.9901	I	At	60	Sx	40
2020-01-05	94B 069 047	TA0109		05092	Planting(Walkthrough)	2021-07-13	A	30.1198	I	Sx	50	Ac	40
2020-01-05	94B 069 047	TA0109		05092	Planting(Walkthrough)	2021-07-13	B	7.3686	I	PI	50	At	30
2020-03-05	94B 090 037	TA1274	APR - TA1274	06055	Planting(Walkthrough)	2021-07-16	A	51.7155	I	At	50	Sx	50



Harvest Date	Opening	Licence	Permit	Block ID	Activity	Regen Met Date	Stratum	Area	Layer	Sp. 1*	Sp 1 %	Sp. 2*	Sp 2 %
2020-03-05	94B 090 037	TA1274	APR - TA1274	06055	Planting(Walkthrough)	2021-07-16	B	31.3684	I	Sx	60	At	40
2020-02-08	94B 090-38	TA1199	APR - TA1199	06061	Planting(Walkthrough)	2021-07-20	A	13.8297	I	Sx	60	At	40
2020-02-08	94B 090-38	TA1199	APR - TA1199	06061	Planting(Walkthrough)	2021-07-20	C	4.6234	I	At	50	Sx	50
2020-02-08	94B 090-38	TA1199	APR - TA1199	06061	Planting(Walkthrough)	2021-07-20	B	9.4329	I	At	60	Sw	40
2020-09-10	94B 040 136	TA0111		09099	Planting(Walkthrough)	2021-08-05	A	15.7192	I	At	80	Sx	20
2020-03-02	94B 038 023	A95614		09106	Planting(Walkthrough)	2021-08-16	A	15.0718	I	Sx	90	At	10
2020-02-24	94B 038 022	A95762		09107	Planting(Walkthrough)	2021-09-07	A	13.7125	I	PI	50	Sx	50
2020-02-24	94B 038 022	A95762		09107	Planting(Walkthrough)	2021-09-07	B	1.8386	I	Sx	60	Ac	30
2020-02-24	94B 038 022	TA0111		09116	Planting(Walkthrough)	2021-08-12	A	18.0829	I	Sx	100		
2020-02-24	94B 038 022	TA0111		09116	Planting(Walkthrough)	2021-08-12	B	6.945	I	Sx	100		
2020-09-10	94B 040 139	TA0111		09118	Planting(Walkthrough)	2021-08-05	A	15.9073	I	At	70	Sx	20
2020-09-10	94B 040 139	TA0111		09119	Planting(Walkthrough)	2021-08-12	A	13.8874	I	Sx	90	Ac	10
2020-10-20	94B 040 138	TA0111		09119	Planting(Walkthrough)	2021-08-12	B	10.0138	I	Sx	100		
2020-10-23	94B 040 140	A95614		09123	Planting(Walkthrough)	2021-08-12	A	10.0007	I	At	80	Sx	20
2020-10-23	94B 040 140	A95762		09124	Planting(Walkthrough)	2021-08-14	B	1.197	I	PI	100		
2020-03-11	94B 039 113	A95762		09124	Planting(Walkthrough)	2021-08-14	A	14.0831	I	Sx	50	PI	30
2019-03-25	94B 039 110	A95762		09124	Planting(Walkthrough)	2021-08-14	C	11.6177	I	PI	50	Sx	40



Harvest Date	Opening	Licence	Permit	Block ID	Activity	Regen Met Date	Stratum	Area	Layer	Sp. 1*	Sp 1 %	Sp. 2*	Sp 2 %
2019-03-25	94B 039 110	TA0111		09136	Planting(Walkthrough)	2021-09-07	A	2.9117	I	At	50	Sx	40
2019-03-25	94B 039 110	A95218		09141	Planting(Walkthrough)	2021-06-11	A	112.1073	I	PI	50	At	40
2020-11-03	94B 040 137	A95762		09147	Planting(Walkthrough)	2021-08-12	A	11.5472	I	Sx	50	At	40
2018-11-06	94B 040 123	A95526	APR - TA0625	10052	Planting(Walkthrough)	2021-06-23	A	68.6035	I	Ep	40	Bl	30
2019-04-02	94B 039 115	A95219		10068	Planting(Walkthrough)	2021-07-22	B	65.9077	I	PI	100		
2019-03-04	94B 058 036	TA0625		10071	Planting(Walkthrough)	2021-08-08	A	5.7518	I	Sx	60	At	20
2019-11-15	94B 057 025	A90907		18062	Decid Regen Performance - FSJ	2021-09-23	A	17.2426	I	At	100		
2020-12-02	94B 057 026	A95044		19021	Planting(Walkthrough)	2021-06-20	A	19.5266	I	PI	70	At	30
2015-02-11	94H 004 037	A95044		19022	Planting(Walkthrough)	2021-06-20	A	41.5887	I	At	70	PI	30
2018-12-07	94G 040 041	A95185			19071	Planting(Walkthrough)	2021-08-13	A	57.2715	I	PI	70	Sx
2018-12-10	94G 040 042	TA0214		19094	Planting(Walkthrough)	2021-06-22	A	28.2081	I	Sx	100		
2020-01-06	94G 050 012	A95648		19101	Planting(Walkthrough)	2021-08-04	A	63.0978	I	PI	50	At	40
2021-02-11	94H 032 046	A95648		19101	Planting(Walkthrough)	2021-08-04	B	61.2859	I	At	60	Sx	40
2020-01-27	94G 050 014	A80058		20070	Planting(Walkthrough)	2021-07-15	A	16.7877	I	PI	70	At	30
2020-01-27	94G 050 014	A80058		20070	Planting(Walkthrough)	2021-07-15	B	8.0207	I	PI	100		
2018-01-04	94B 096 011	TA0124		21039	Planting(Walkthrough)	2021-07-28	A	85.7666	I	PI	70	At	30
2018-01-04	94B 096 011	A94092		23048	Planting(Walkthrough)	2021-08-07	B	62.2912	I	At	70	Sx	30



Harvest Date	Opening	Licence	Permit	Block ID	Activity	Regen Met Date	Stratum	Area	Layer	Sp. 1*	Sp 1 %	Sp. 2*	Sp 2 %
2019-07-18	94G 047 002	A94092		23048	Planting(Walkthrough)	2021-08-07	A	46.8644	I	Sx	40	Ep	30
2020-01-21	94B 078 028	A94092		23048	Planting(Walkthrough)	2021-08-07	C	17.3364	I	At	60	PI	30
2020-01-21	94B 078 028	A94065		24253	Planting(Walkthrough)	2021-08-14	A	112.844	I	PI	50	At	40
2020-01-21	94B 078 028	A95065		24357	Planting(Walkthrough)	2021-07-01	A	54.4858	I	At	70	PI	30
2019-01-24	94G 030 044	A95065		24358	Planting(Walkthrough)	2021-07-31	A	15.9476	I	At	50	PI	30
2019-02-26	94H 011 025	A93438		37043	2-Year Post Plant (C) - FSJ	2021-07-26	A	32.7951	I	BI	80	Sx	20
2019-03-04	94H 011 026	A95068		38005	Planting(Walkthrough)	2021-08-09	A	25.2798	I	At	80	PI	10
2018-01-22	94G 017 007	A95068		38006	Planting(Walkthrough)	2021-08-09	A	12.7691	I	At	80	PI	10
2019-02-05	94H 024 005	A95068		38007	Planting(Walkthrough)	2021-08-09	A	11.4038	I	At	90	PI	10
2019-02-06	94H 024 006	A95068		38010	Planting(Walkthrough)	2021-07-29	A	8.0175	I	At	80	PI	10
2019-02-21	94H 024 007	A95068		38011	Planting(Walkthrough)	2021-07-29	A	8.2052	I	At	70	PI	20
2019-02-28	94H 024 008	A95068		38014	Planting(Walkthrough)	2021-08-09	A	11.9195	I	At	70	Sx	20
2019-02-27	94H 024 009	TA0115		45012	Planting(Walkthrough)	2021-09-08	A	70.7845	I	Sx	40	At	30
2018-12-25	94H 024 010	A92984		45028	Decid Stocking - FSJ	2021-06-28	B	9.9858	I	At	85	Sx	15
2019-11-25	94B 030 127	A92984		45028	2-Year Post Plant (C) - FSJ	2021-06-28	A1	38.4861	I	Ac	40	Sx	40
2017-10-16	94B 030 119	A92984		45028	2-Year Post Plant (C) - FSJ	2021-06-28	A2	7.0879	I	At	80	Sx	20
2017-10-16	94B 030 119	A95220		45072	Planting(Walkthrough)	2021-06-04	A	90.6188	I	Sx	40	PI	30



Harvest Date	Opening	Licence	Permit	Block ID	Activity	Regen Met Date	Stratum	Area	Layer	Sp. 1*	Sp 1 %	Sp. 2*	Sp 2 %
2017-10-16	94B 030 119	A95220		45074	Planting(Walkthrough)	2021-06-09	A	113.5736	I	At	60	Pl	20
2019-01-17	94A 021 051	A95220		45078	Planting(Walkthrough)	2021-06-01	A	21.0042	I	At	30	Pl	30
2019-01-17	94A 021 052	A95220		45079	Planting(Walkthrough)	2021-06-09	A	17.7784	I	Lt	30	Sx	30

* Abbreviations:

Pli – Lodgepole Pine interior

Pl – Lodgepole Pine

Sx – Hybrid Spruce

Ac – Poplar

At – Trembling Aspen

Ep – Paper Birch

Bl – Subalpine Fir

Sb – Black Spruce



Table 43: BCTS Establishment Delay Complete (Silviculture Label) 2021

Harvest Date	Opening	Licence	Permit	Block ID	Activity	Regen Met Date	Stratum	Area	Layer	Sp. 1*	Sp 1 %	Sp. 2*	Sp 2 %
2014-11-01	94A 054 096	A90800		01202	Regen/Stocking(Walkthrough)	2021-07-02	A	7.39	S	At	97	Ep	-3
2014-11-01	94A 054 096	A90800		01202	Regen/Stocking(Walkthrough)	2021-07-21	C	4.42	S	Sx	100		
2019-12-20	94A 042 043	TA0250		01226	Planting(Walkthrough)	2021-07-24	B	8.14	S	Sx	100		
2019-12-20	94A 042 043	TA0250		01226	Planting(Walkthrough)	2021-07-24	A	11.54	S	Sx	100		
2017-01-02	94G 010 033	A93670		03043	Planting(Walkthrough)	2021-07-26	A	27.89	S	Sx	87	PI	13
2016-01-24	94A 061 054	A92970		04066	Planting(Walkthrough)	2021-07-22	B	18.66	S	Sw	100		
2015-01-02	94A 071 067	A90903		04141	Planting(Walkthrough)	2021-10-06	A	43.32	S	Sx	100		
2015-01-02	94A 071 067	A90903		04141	Decid Regen Performance - FSJ	2021-10-06	B	15.58	S	Ac	70	At	30
2016-01-12	94A 061 058	A92971		04190	Decid Regen Performance - FSJ	2021-06-27	B	5.41	S	At	82	Ac	18
2019-09-06	94A 062 113	A94069		04232	Planting(Walkthrough)	2021-07-03	A	54.22	S	PI	67	Sx	33
2020-03-24	94A 051 028	TA0108		05066	Planting(Walkthrough)	2021-07-13	A	9.43	S	Sx	100		
2020-03-06	94A 051 029	TA0108		05067	Planting(Walkthrough)	2021-07-13	B	23.40	S	Sx	100		
2020-03-06	94A 051 029	TA0108		05067	Planting(Walkthrough)	2021-07-13	A	45.99	S	Sx	100		
2020-01-05	94B 069 047	TA0109		05092	Planting(Walkthrough)	2021-07-13	A	30.12	S	Sx	100		
2020-01-05	94B 069 047	TA0109		05092	Planting(Walkthrough)	2021-07-13	B	7.37	S	PI	82	Sx	18



Harvest Date	Opening	Licence	Permit	Block ID	Activity	Regen Met Date	Stratum	Area	Layer	Sp. 1 *	Sp 1 %	Sp. 2*	Sp 2 %
2020-03-05	94B 090 037	TA1274	APR - TA1274	06055	Planting(Walkthrough)	2021-07-16	A	51.72	S	Sx	100		
2020-03-05	94B 090 037	TA1274	APR - TA1274	06055	Planting(Walkthrough)	2021-07-16	B	31.37	S	Sx	100		
2020-02-08	94B 090-38	TA1199	APR - TA1199	06061	Planting(Walkthrough)	2021-07-20	A	13.83	S	Sx	100		
2020-02-08	94B 090-38	TA1199	APR - TA1199	06061	Planting(Walkthrough)	2021-07-20	C	4.62	S	Sx	100		
2020-02-08	94B 090-38	TA1199	APR - TA1199	06061	Planting(Walkthrough)	2021-07-20	B	9.43	S	Sw	100		
2020-09-10	94B 040 136	TA0111		09099	Planting(Walkthrough)	2021-08-05	A	15.72	S	Sx	100		
2020-03-02	94B 038 023	A95614		09106	Planting(Walkthrough)	2021-08-16	A	15.07	S	Sx	100		
2020-02-24	94B 038 022	A95762		09107	Planting(Walkthrough)	2021-09-07	A	13.71	S	PI	54	Sx	46
2020-02-24	94B 038 022	A95762		09107	Planting(Walkthrough)	2021-09-07	B	1.84	S	Sx	85	PI	15
2020-09-10	94B 040 139	TA0111		09116	Planting(Walkthrough)	2021-08-12	A	18.08	S	Sx	100		
2020-09-10	94B 040 139	TA0111		09116	Planting(Walkthrough)	2021-08-12	B	6.95	S	Sx	100		
2020-10-20	94B 040 138	TA0111		09118	Planting(Walkthrough)	2021-08-05	A	15.91	S	Sx	100		
2020-10-23	94B 040 140	TA0111		09119	Planting(Walkthrough)	2021-08-12	A	13.89	S	Sx	100		
2020-10-23	94B 040 140	TA0111		09119	Planting(Walkthrough)	2021-08-12	B	10.01	S	Sx	100		
2020-03-11	94B 039 113	A95614		09123	Planting(Walkthrough)	2021-08-12	A	10.00	S	Sx	100		
2019-03-25	94B 039 110	A95762		09124	Planting(Walkthrough)	2021-08-14	B	1.20	S	PI	100		
2019-03-25	94B 039 110	A95762		09124	Planting(Walkthrough)	2021-08-14	A	14.08	S	Sx	64	PI	36



Harvest Date	Opening	Licence	Permit	Block ID	Activity	Regen Met Date	Stratum	Area	Layer	Sp. 1 *	Sp 1 %	Sp. 2*	Sp 2 %
2019-03-25	94B 039 110	A95762		09124	Planting(Walkthrough)	2021-08-14	C	11.62	S	Sx	51	PI	49
2020-11-03	94B 040 137	TA0111		09136	Planting(Walkthrough)	2021-09-07	A	2.91	S	Sx	100		
2018-11-06	94B 040 123	A95218		09141	Planting(Walkthrough)	2021-06-11	A	112.11	S	PI	100		
2019-04-02	94B 039 115	A95762		09147	Planting(Walkthrough)	2021-08-12	A	11.55	S	Sx	100		
2019-03-04	94B 058 036	A95526		10052	Planting(Walkthrough)	2021-06-23	A	68.60	S	Sx	53	PI	47
2019-11-15	94B 057 025	A95219		10068	Planting(Walkthrough)	2021-07-22	B	65.91	S	PI	100		
2020-12-02	94B 057 026	TA0625	APR - TA0625	10071	Planting(Walkthrough)	2021-08-08	A	5.75	S	Sx	83	PI	17
2015-02-11	94H 004 037	A90907		18062	Decid Regen Performance - FSJ	2021-09-23	A	17.24	S	At	100		
2018-12-07	94G 040 041	A95044		19021	Planting(Walkthrough)	2021-06-20	A	19.53	S	PI	100		
2018-12-10	94G 040 042	A95044		19022	Planting(Walkthrough)	2021-06-20	A	41.59	S	PI	93	Sx	-7
2020-01-06	94G 050 012	A95185		19071	Planting(Walkthrough)	2021-08-13	A	57.27	S	PI	68	Sx	32
2021-02-11	94H 032 046	TA0214		19094	Planting(Walkthrough)	2021-06-22	A	28.21	S	Sx	100		
2020-01-27	94G 050 014	A95648		19101	Planting(Walkthrough)	2021-08-04	A	63.10	S	PI	86	Sx	14
2020-01-27	94G 050 014	A95648		19101	Planting(Walkthrough)	2021-08-04	B	61.29	S	Sx	100		
2018-01-04	94B 096 011	A80058		20070	Planting(Walkthrough)	2021-07-15	A	16.79	S	PI	100		
2018-01-04	94B 096 011	A80058		20070	Planting(Walkthrough)	2021-07-15	B	8.02	S	PI	100		
2019-07-18	94G 047 002	TA0124		21039	Planting(Walkthrough)	2021-07-28	A	85.77	S	PI	100		



Harvest Date	Opening	Licence	Permit	Block ID	Activity	Regen Met Date	Stratum	Area	Layer	Sp. 1 *	Sp 1 %	Sp. 2*	Sp 2 %
2020-01-21	94B 078 028	A94092		23048	Planting(Walkthrough)	2021-08-07	B	62.29	S	Sx	100		
2020-01-21	94B 078 028	A94092		23048	Planting(Walkthrough)	2021-08-07	A	46.86	S	Sx	66	PI	34
2020-01-21	94B 078 028	A94092		23048	Planting(Walkthrough)	2021-08-07	C	17.34	S	PI	100		
2019-01-24	94G 030 044	A94065		24253	Planting(Walkthrough)	2021-08-14	A	112.84	S	PI	100		
2019-02-26	94H 011 025	A95065		24357	Planting(Walkthrough)	2021-07-01	A	54.49	S	PI	100		
2019-03-04	94H 011 026	A95065		24358	Planting(Walkthrough)	2021-07-31	A	15.95	S	PI	64	Sx	36
2018-01-22	94G 017 007	A93438		37043	2-Year Post Plant (C) - FSJ	2021-07-26	A	32.80	S	BI	100		
2019-02-05	94H 024 005	A95068		38005	Planting(Walkthrough)	2021-08-09	A	25.28	S	PI	51	Sx	49
2019-02-06	94H 024 006	A95068		38006	Planting(Walkthrough)	2021-08-09	A	12.77	S	PI	67	Sx	33
2019-02-21	94H 024 007	A95068		38007	Planting(Walkthrough)	2021-08-09	A	11.40	S	PI	52	Sx	48
2019-02-28	94H 024 008	A95068		38010	Planting(Walkthrough)	2021-07-29	A	8.02	S	Sx	64	PI	36
2019-02-27	94H 024 009	A95068		38011	Planting(Walkthrough)	2021-07-29	A	8.21	S	PI	56	Sx	44
2018-12-25	94H 024 010	A95068		38014	Planting(Walkthrough)	2021-08-09	A	11.92	S	Sx	100		
2019-11-25	94B 030 127	TA0115		45012	Planting(Walkthrough)	2021-09-08	A	70.78	S	Sx	100		
2017-10-16	94B 030 119	A92984		45028	Decid Stocking - FSJ	2021-06-28	B	9.99	S	Sx	55	At	45
2017-10-16	94B 030 119	A92984		45028	2-Year Post Plant (C) - FSJ	2021-06-28	A1	38.49	S	Sx	100		
2017-10-16	94B 030 119	A92984		45028	2-Year Post Plant (C) - FSJ	2021-06-28	A2	7.09	S	Sx	100		



Harvest Date	Opening	Licence	Permit	Block ID	Activity	Regen Met Date	Stratum	Area	Layer	Sp. 1*	Sp 1 %	Sp. 2*	Sp 2 %
2019-01-17	94A 021 051	A95220		45072	Planting(Walkthrough)	2021-06-04	A	90.62	S	Sx	62	PI	38
2019-01-17	94A 021 052	A95220		45074	Planting(Walkthrough)	2021-06-09	A	113.57	S	PI	58	Sx	42
2019-02-12	94A 021 050	A95220		45078	Planting(Walkthrough)	2021-06-01	A	21.00	S	Sx	60	PI	40
2019-02-25	94B0 030 125	A95220		45079	Planting(Walkthrough)	2021-06-09	A	17.78	S	PI	57	Sx	43

* Abbreviations:

Pli – Lodgepole Pine interior

PI – Lodgepole Pine

Sx – Hybrid Spruce

Ac – Poplar

At – Trembling Aspen

Ep – Paper Birch

Table 44: BCTS Planting Activities (2021)

Harvest Start Date	Opening	Licence	Permit	Block ID	Activity	Activity Date	Area	Seed Lot #	Species	# Trees
2018-01-04	94B 096 011	80058	A80058	20070	Planting (Container) - FSJ	2021-07-15	24.8	53833	Pli 100	43455
2019-01-24	94G 030 044	94065	A94065	24253	Planting (Container) - FSJ	2021-08-11	112.8	53833	Pli 100	199805
2019-09-06	94A 062 113	94069	A94069	04232	Planting (Container) - FSJ	2021-07-02	54.2	53833 / 60455	Pli/Sx 53/47	84390



Harvest Start Date	Opening	Licence	Permit	Block ID	Activity	Activity Date	Area	Seed Lot #	Species	# Trees
2020-01-22	94B 079 022	94073	A94073	23041	Planting (Container) - FSJ	2021-08-10	37.6	60455 / 63677	Sx 100	63560
2020-01-21	94B 078 028	94092	A94092	23048	Planting (Container) - FSJ	2021-08-07	17.3	44281 / 53833	Pli 100	31440
2020-01-21	94B 078 028	94092	A94092	23048	Planting (Container) - FSJ	2021-08-07	46.9	60455	Pli/Sx 51/49	86460
2020-01-21	94B 078 028	94092	A94092	23048	Planting (Container) - FSJ	2021-08-07	62.3	44281 / 53833 / 63677	Sx 100	110470
2018-12-07	94G 040 041	95044	A95044	19021	Planting (Container) - FSJ	2021-06-13	7.9	8789	Pli 100	14820
2018-12-10	94G 040 042	95044	A95044	19022	Planting (Container) - FSJ	2021-06-14	41.6	53833 / 8789	Pli 100	68910
2019-02-26	94H 011 025	95065	A95065	24357	Planting (Container) - FSJ	2021-07-26	54.5	44281 / 53833	Pli 100	93880
2019-03-04	94H 011 026	95065	A95065	24358	Planting (Container) - FSJ	2021-07-24	15.9	44281 / 53833 / 60455 / 63677	Sx/Pli 51/49	25700
2019-02-05	94H 024 005	95068	A95068	38005	Planting (Container) - FSJ	2021-07-29	25.3	44281 / 53833 / 63677	Pli/Sx 51/49	44845
2019-02-06	94H 024 006	95068	A95068	38006	Planting (Container) - FSJ	2021-07-29	12.6	44281 / 63677	Pli/Sx 52/48	24298
2019-02-21	94H 024 007	95068	A95068	38007	Planting (Container) - FSJ	2021-07-29	11.4	44281 / 63677	Pli/Sx 54/46	20790
2019-02-28	94H 024 008	95068	A95068	38010	Planting (Container) - FSJ	2021-07-29	8.0	44281 / 63677	Pli/Sx 51/49	13838
2019-02-27	94H 024 009	95068	A95068	38011	Planting (Container) - FSJ	2021-08-09	8.2	44281 / 63677	Sx/Pli 51/49	12108
2018-12-25	94H 024 010	95068	A95068	38014	Planting (Container) - FSJ	2021-08-09	11.9	63677	Sx 100	21186



Harvest Start Date	Opening	Licence	Permit	Block ID	Activity	Activity Date	Area	Seed Lot #	Species	# Trees
2020-01-06	94G 050 012	95185	A95185	19071	Planting (Container) - FSJ	2021-08-05	57.3	44281 / 53833 / 60455 / 63677	Pli/Sx 69/31	101220
2018-11-06	94B 040 123	95218	A95218	09141	Planting (Container) - FSJ	2021-06-09	112.1	53833 / 8789	Pli 100	184150
2019-11-15	94B 057 025	95219	A95219	10068	Planting (Container) - FSJ	2021-08-07	65.9	44281 / 53833 / 8789	Pli 100	100775
2019-01-17	94A 021 051	95220	A95220	45072	Planting (Container) - FSJ	2021-06-03	90.6	53833 / 60455	Pli/Sx 50/50	144320
2019-01-17	94A 021 052	95220	A95220	45074	Planting (Container) - FSJ	2021-06-08	113.6	53833 / 60455	Sx/Pli 50/50	183070
2019-02-12	94A 021 050	95220	A95220	45078	Planting (Container) - FSJ	2021-05-30	21.0	53833 / 60455	Pli/Sx 50/50	33430
2019-02-25	94B0 030 125	95220	A95220	45079	Planting (Container) - FSJ	2021-06-08	17.8	53833 / 60455	Sx/Pli 53/47	29120
2019-03-04	94B 058 036	95526	A95526	10052	Planting (Container) - FSJ	2021-06-21	68.7	53833 / 60455 / 8789	Sx/Pli 50/50	109415
2020-03-02	94B 038 023	95614	A95614	09106	Planting (Container) - FSJ	2021-08-14	15.1	63677	Sx 100	22920
2020-03-11	94B 039 113	95614	A95614	09123	Planting (Container) - FSJ	2021-08-04	10.0	60455 / 63677	Sx 100	13460
2020-01-27	94G 050 014	95648	A95648	19101	Planting (Container) - FSJ	2021-08-02	61.3	44281 / 53833	Sx 100	93200
2020-01-27	94G 050 014	95648	A95648	19101	Planting (Container) - FSJ	2021-08-02	63.1	60455 / 63677	Pli 100	102495
2020-02-24	94B 038 022	95762	A95762	09107	Planting (Container) - FSJ	2021-08-15	10.5	63677	Sx 100	3700
2020-02-24	94B 038 022	95762	A95762	09107	Planting (Container) - FSJ	2021-08-15	19.9	53833 / 63677	Pli/Sx 51/49	26460



Harvest Start Date	Opening	Licence	Permit	Block ID	Activity	Activity Date	Area	Seed Lot #	Species	# Trees
2019-03-25	94B 039 110	95762	A95762	09124	Planting (Container) - FSJ	2021-08-13	1.2	53833 / 63677	Pli 100	2360
2019-03-25	94B 039 110	95762	A95762	09124	Planting (Container) - FSJ	2021-08-13	11.6	53833	Sx/Pli 65/35	19330
2019-03-25	94B 039 110	95762	A95762	09124	Planting (Container) - FSJ	2021-08-13	14.1	53833 / 63677	Pli/Sx 51/49	24250
2019-04-02	94B 039 115	95762	A95762	09147	Planting (Container) - FSJ	2021-08-10	11.5	63677	Sx 100	17480
2020-03-24	94A 051 028	TA0108	TA0108	05066	Planting (Container) - FSJ	2021-07-12	9.4	60455	Sx 100	15010
2020-03-06	94A 051 029	TA0108	TA0108	05067	Planting (Container) - FSJ	2021-07-12	69.4	60455	Sx 100	106120
2020-01-05	94B 069 047	TA0109	TA0109	05092	Planting (Container) - FSJ	2021-07-12	7.4	63677	Pli 100	12000
2020-01-05	94B 069 047	TA0109	TA0109	05092	Planting (Container) - FSJ	2021-07-12	30.1	53833	Sx 100	49370
2020-09-10	94B 040 136	TA0111	TA0111	09099	Planting (Container) - FSJ	2021-08-02	15.7	60455	Sx 100	22320
2020-09-10	94B 040 139	TA0111	TA0111	09116	Planting (Container) - FSJ	2021-08-07	25.0	63677	Sx 100	42590
2020-10-20	94B 040 138	TA0111	TA0111	09118	Planting (Container) - FSJ	2021-08-02	15.9	60455	Sx 100	23280
2020-10-23	94B 040 140	TA0111	TA0111	09119	Planting (Container) - FSJ	2021-08-05	23.9	60455 / 63677	Sx 100	38000
2020-11-03	94B 040 137	TA0111	TA0111	09136	Planting (Container) - FSJ	2021-08-06	2.7	63677	Sx 100	4640
2019-11-25	94B 030 127	TA0115	TA0115	45012	Planting (Container) - FSJ	2021-08-11	69.8	60455 / 63677	Sx 100	93300
2019-07-18	94G 047 002	TA0124	TA0124	21039	Planting (Container) - FSJ	2021-07-27	85.8	44281 / 53833	Pli 100	138470



Harvest Start Date	Opening	Licence	Permit	Block ID	Activity	Activity Date	Area	Seed Lot #	Species	# Trees
2021-01-21	94H 032 041	TA0214	TA0214	19087	Planting (Container) - FSJ	2021-06-21	57.7	60460 / 63677	Sx 100	86960
2021-02-11	94H 032 046	TA0214	TA0214	19094	Planting (Container) - FSJ	2021-06-22	27.9	60460	Sx 100	45150
2021-02-20	94H 061 020	TA0217	TA0217	07054	Planting (Container) - FSJ	2021-08-16	40.6	44281 / 53833 / 60455 / 63677	Sx 100	73055
2021-02-20	94H 061 020	TA0217	TA0217	07054	Planting (Container) - FSJ	2021-08-16	87.8	63677	Sx/Pli 66/34	144371
2020-12-09	94G 070 013	TA0217	TA0217	07082	Planting (Container) - FSJ	2021-08-15	29.2	53833 / 63677	Sx/Pli 82/18	31085
2019-12-20	94A 042 043	TA0250	TA0250	01226	Planting (Container) - FSJ	2021-07-24	19.7	63677	Sx 100	33822
2021-01-06	94B 057 028	TA0625	TA0625	10064	Planting (Container) - FSJ	2021-07-27	14.2	44281 / 60455	Sx/Pli 83/17	20390
2020-12-02	94B 057 026	TA0625	TA0625	10071	Planting (Container) - FSJ	2021-07-27	5.8	53833 / 60455	Sx/Pli 72/28	8100
2020-03-13	94G 047 003	TA1146	TA1146	21072	Planting (Container) - FSJ	2021-07-23	78.0	53833 / 63677	Pli/Sx 67/33	128720
2020-02-08	94B 090-38	TA1199	TA1199	06061	Planting (Container) - FSJ	2021-07-20	27.9	63677	Sx 100	46540
2020-03-05	94B 090 037	TA1274	TA1274	06055	Planting (Container) - FSJ	2021-07-15	83.1	60455 / 60460 / 63677	Sx 100	115645
2017-02-20	94G 016 004	76781	A76781	37017	Fill Plant (Container) - FSJ	2021-08-05	12.4	44281 / 53833	Pli 100	11720
2017-02-27	94G 016 007	76781	A76781	37018	Fill Plant (Container) - FSJ	2021-07-18	7.3	63677	Sx 100	8130
2013-02-12	94B 059 034	76797	A76797	10031	Fill Plant (Container) - FSJ	2021-08-05	9.8	63677	Sx 100	11396



Harvest Start Date	Opening	Licence	Permit	Block ID	Activity	Activity Date	Area	Seed Lot #	Species	# Trees
2016-01-24	94A 061 054	92970	A92970	04066	Fill Plant (Container) - FSJ	2021-07-21	18.7	63677	Sx 100	30822
2017-02-24	94B 100 046	92980	A92980	03100	Fill Plant (Container) - FSJ	2021-07-20	9.7	60455	Sx 100	8580
2017-01-05	94G 039 003	93439	A93439	24248	Fill Plant (Container) - FSJ	2021-07-16	5.6	63677	Sx 100	8230
2016-12-30	94G 039 004	93439	A93439	24249	Fill Plant (Container) - FSJ	2021-08-09	14.4	53833	Pli 100	12670
2016-11-30	94G 029 001	93439	A93439	24269	Fill Plant (Container) - FSJ	2021-07-19	17.0	63677	Sx 100	18230
2017-01-16	94G 030 038	93549	A93549	24261	Fill Plant (Container) - FSJ	2021-08-14	29.9	53833	Pli 100	26650
2017-01-02	94G 010 033	93670	A93670	03043	Fill Plant (Container) - FSJ	2021-07-25	27.9	63677	Sx 100	33140
2019-02-07	94B 097 008	80057	A80057	20090	Road/Pile Plant - FSJ	2021-07-15	0.1	53833	Pli 100	420
2017-12-18	94H 021 052	92977	A92977	24255	Road/Pile Plant - FSJ	2021-08-11	2.3	53833	Pli 100	1515
2017-11-19	94B 090 036	92983	A92983	06040	Road/Pile Plant - FSJ	2021-07-20	2.8	60455 / 63677	Sx 100	7000
2018-01-22	94G 017 007	93438	A93438	37043	Road/Pile Plant - FSJ	2021-07-18	1.0	63677	Sx 100	2440
2020-02-05	94B 097 011	94058	A94058	20091	Road/Pile Plant - FSJ	2021-07-15	0.4	53833	Pli 100	1270
2018-03-12	94G 040 043	94166	A94166	24247	Road/Pile Plant - FSJ	2021-07-19	1.5	53833	Pli 100	2480
2018-10-02	94G 030 039	94166	A94166	24260	Road/Pile Plant - FSJ	2021-08-05	0.8	53833	Pli 100	300
2018-09-25	94G 040 040	94166	A94166	24262	Road/Pile Plant - FSJ	2021-08-05	1.1	44281	Pli 100	1040



Harvest Start Date	Opening	Licence	Permit	Block ID	Activity	Activity Date	Area	Seed Lot #	Species	# Trees
2018-01-29	94G 040 044	94166	A94166	24263	Road/Pile Plant - FSJ	2021-08-05	0.6	53833	Pli 100	1100
2017-10-27	94H 001 041	94392	A94392	03123	Road/Pile Plant - FSJ	2021-08-11	4.0	53833	Pli 100	3450
2019-03-12	94B 097 009	TA0442	TA0442	20071	Road/Pile Plant - FSJ	2021-07-15	0.5	53833	Pli 100	1545
2019-03-13	94B 097 012	TA0442	TA0442	20112	Road/Pile Plant - FSJ	2021-07-15	1.4	53833	Pli 100	3060
2019-02-06	94B 097 010	TA0442	TA0442	20113	Road/Pile Plant - FSJ	2021-07-15	1.9	53833	Pli 100	6390
2019-03-12	94B 097 009	TA0442	TA0442	20071	Road/Pile Plant - FSJ	2021-07-15	0.5	53833	Pli 100	1545
2019-03-13	94B 097 012	TA0442	TA0442	20112	Road/Pile Plant - FSJ	2021-07-15	1.4	53833	Pli 100	3060
2019-02-06	94B 097 010	TA0442	TA0442	20113	Road/Pile Plant - FSJ	2021-07-15	1.9	53833	Pli 100	6390

Table 45: Predicted and Target Volumes by Stratum for Coniferous - BCTS 2020

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
A76785-03053 – A A76785-03053 - B A76785-03054 – A A76785-03074 – A A76785-03074 – B	PISx/WG/20-22/1200-1400	269.4	21.6	14.3	3.6	1,200	600.3	161,714	3.7	14.0	571.6	153,991	105.0%
A63392-1 – B1 A76785-03053 – D	PISx/WG/24-26/1000-1200	39.1	24.7	14.9	3.2	1,037	739.0	28,895	3.5	14.0	717.5	28,055	103.0%



A63392-1 - B2 A63393-A1 – A1 A66555-1 – B A66557-1 – B	Sx/SR/20-22/1000-1200	37.3	24.3	26.9	1.6	1,180	575.2	21,456	3.7	14.0	746.9	27,859	77.0%
A63393-1 – A2 A66545-1 – B A66545-2 - B	Sx/WG/20-22/1200-1400	35.6	22.2	16.2	3.3	1,200	669.2	23,822	3.7	14.0	638.9	22,744	104.7%
A67164-1 - A	Sx/WG/22-24/1200-1400	31.3	24.4	16.3	3.6	1,200	798.5	24,993	3.7	14.0	749.9	23,473	106.5%
A66555-2 - B	Sx/WG/26-28/1200-1400	30.8	28.8	13.1	2.9	1,200	955.3	29,422	3.7	14.0	984.6	30,326	97.0%
	Totals	443.5	22.9	15.6	3.3	1,184	654.6	290,302	3.7	14.0	645.9	286,450	101.3%

Table 46: Predicted and Target Volumes by Stratum for Deciduous - BCTS 2020

Block Strata Summary	Stratum	Net Area (ha)	Mean SI (m)	Mean MSQ (#)	Mean TSS (tr/ha)	Mean PMV (m ³ /ha)	Total PMV (m ³)	Target MSQ (#)	Mean TMV (m ³ /ha)	Total TMV (m ³)	PMV % of Target
A76784-03052 – C A66536-04039 – A A87359-05011 – A A89520-18006 – A A89248-43081 – A A87359-1 - A1 A87359-2 – A2 A66547-1 - B	At/WG/18-20/4000-4200	239.1	23.4	3.64	0	409.7	97,970	3.78	370.0	88,479	110.7%
	Totals	239.1	23.4	3.64	0	409.7	97,970	3.78	370.0	88,479	110.7%



Table 47: Predicted and Target Volumes by Conifer Stratum-Canfor 2021

Stratum	Net Area (ha)	Mean SI (m)	Mean EA (years)	Mean MSQ (#)	Mean TSS (tr/ha)	Mean PMV (m ³ /ha)	Total PMV (m ³)	Target MSQ (#)	Target EA (years)	Mean TMV (m ³ /ha)	Total TMV (m ³)	PMV % of Target
PI/WG/16-18/1080-1280	157.4	16.3	14.6	3.9	1,200	311.6	49,045	3.7	14.0	293.5	46,201	106.2%
PI/WG/20-22/1080-1280	49.2	19.5	14.2	4.0	1,200	472.9	23,269	3.7	14.0	446.4	21,961	106.0%
PISx/WG/14-16/1080-1280	119.7	16.9	15.7	4.0	1,200	364.9	43,681	3.7	14.0	340.7	40,786	107.1%
PISx/WG/16-18/1080-1280	126.9	17.5	16.5	3.9	1,198	394.3	50,03	3.7	14.0	366.1	46,461	107.7%
PISx/WG/18-20/1080-1280	43.2	20.7	14.2	3.6	1,183	549.0	23,719	3.7	14.0	524.0	22,639	104.8%
PISx/WG/18-20/880-1080	19.0	19.2	15.9	3.8	1,000	483.4	9,185	3.5	14.0	445.8	8,470	108.4%
PISx/WG/22-24/1080-1280	119.3	21.9	16.0	3.6	1,200	624.8	74,54	3.7	14.0	586.8	70,006	106.5%
Sx/WG/14-16/1080-1280	51.3	16.8	18.3	4.0	1,2	386.9	19,85	3.7	14.0	355.4	18,232	108.9%
Sx/WG/14-16/680-880	72.4	25.7	17.1	3.9	700	886.6	64,190	2.8	14.0	755.0	54,665	117.4%
Sx/WG/16-18/1080-1280	13.4	18.9	17.9	3.9	1,200	507.0	6,793	3.7	14.0	466.6	6,253	108.6%
Sx/WG/16-18/680-880	80.1	18.8	17.2	3.4	728	486.6	38,975	2.9	14.0	427.9	34,276	113.7%
Sx/WG/18-20/1080-1280	278.6	19.3	15.4	3.9	1,200	520.0	144,8	3.7	14.0	486.9	135,64	106.8%
Sx/WG/18-20/680-880	24.4	21.6	17.1	4.0	800	656.1	16,00	3.1	14.0	579.3	14,135	113.3%
Sx/WG/18-20/880-1080	41.5	20.6	15.7	3.8	968	593.1	24,613	3.4	14.0	547.0	22,702	108.4%
Sx/WG/20-22/1080-1280	50.1	21.7	15.2	3.8	1,058	652.3	32,681	3.6	14.0	609.2	30,523	107.1%
Sx/WG/22-24/1080-1280	25.3	23.8	14.9	3.8	1,184	767.4	19,414	3.7	14.0	722.0	18,266	106.3%
Sx/WG/22-24/880-1080	43.7	23.8	16.5	3.9	1,0	778.6	34,027	3.5	14.0	715.5	31,267	108.8%
Totals	1315.5	19.5	15.8	3.8	1,113	513.0	674,895	3.6	14.0	473.2	622,487	108.4%



Table 48: Predicted and Target Volumes by Deciduous Stratum – Canfor 2021

Stratum	Net Area (ha)	Mean SI (m)	Mean MSQ (#)	Mean TSS (tr/ha)	Mean PMV (m ³ /h)	Total PMV (m ³)	Target MSQ (#)	Mean TMV (m ³ /ha)	Total TMV (m ³)	PMV % of Target
At/WG/12-14/10000-10200	159.9	23.8	3.98	10,000	450.8	72,087	3.96	405.7	64,870	111.1%
At/WG/14-16/10000-10200	172.2	19.0	3.97	10,000	255.6	44,014	3.96	230.0	39,610	111.1%
At/WG/18-20/10000-10200	1,296.2	20.5	3.94	10,000	335.2	434,460	3.96	301.7	391,047	111.1%
At/WG/18-20/1200-1400	9.6	24.0	4.00	1,200	450.9	4,328	3.04	386.7	3,712	116.6
Total	1,637.9	20.7	3.95	9,948	338.8	554,889	3.95	304.8	499,239	111.1%

**Table 49: Licencee Participant Planting Activities 2021**

Licence	Permit	Block ID	Planting Activity	Planting Start Date	Planted Area (ha)	Seedlot	# of Trees
A18154	777	01019	Planting - Fill Plant	07/19/2021	62.0	63677	69323
A18154	777	01019	Planting - Fill Plant	07/19/2021	26.0	53765	33767
A56771	112	01166	Planting - Fill Plant	06/04/2021	44.0	53765	66622
A18154	462	01293	Planting - Burn Piles	08/01/2021	1.0	53765	1920
A18154	462	01297	Planting - Burn Piles	07/01/2021	0.0	53765	330
A18154	462	01298	Planting - Burn Piles	07/30/2021	1.0	53765	555
A18154	462	01299	Planting - Burn Piles	07/01/2021	1.0	53765	750
A18154	461	01317	Planting - Burn Piles	07/25/2021	0.0	53765	105
A18154	557	01329	Planting - Burn Piles	07/01/2021	2.0	53765	1320
A18154	557	01338	Planting - Burn Piles	06/01/2021	1.0	53765	1185
A60972	460	01343	Planting - Burn Piles	08/04/2021	1.0	53765	225
A18154	472	01344	Planting - Burn Piles	06/15/2021	0.0	53765	30
A60972	470	01345	Planting - Burn Piles	07/22/2021	1.0	53765	300
A60972	460	01347	Planting - Burn Piles	06/15/2021	0.0	53765	15
A60972	460	01348	Planting - Burn Piles	06/15/2021	0.0	53765	225
A60972	460	01350	Planting - Burn Piles	06/15/2021	0.0	53765	75
A18154	472	01351	Planting - Burn Piles	07/01/2021	0.0	53765	90
A18154	523	02025	Planting - Burn Piles	07/19/2021	3.0	53765	799
A18154	523	02025	Planting - Burn Piles	07/19/2021	3.0	44281	327
A18154	523	02025	Planting - Burn Piles	07/19/2021	3.0	63677	2505
PAG12	APR-86665	02036	Planting - Fill Plant	06/19/2021	6.0	63677	6794
PAG12	APR-86665	02038	Planting - Fill Plant	06/01/2021	3.0	63677	2970
PAG12	APR-89088	02243	Planting - Fill Plant	07/01/2021	19.0	63677	16499
A18154	965	02253	Planting - Fill Plant	07/01/2021	11.0	63677	14880
A18154	793	02295	Planting - Fill Plant	06/19/2021	7.0	44281	4163
A18154	793	02295	Planting - Fill Plant	06/19/2021	7.0	63677	5933
A18154	793	02295	Planting - Fill Plant	06/19/2021	7.0	53765	312
A60972	460	02344	Planting - Burn Piles	07/01/2021	0.0	63677	375



A18154	169	04021	Planting - Fill Plant	07/01/2021	23.0	63677	31275
A18154	169	04025	Planting - Fill Plant	06/01/2021	5.0	63677	5220
A18154	961	04037	Planting - Fill Plant	06/24/2021	4.0	63677	2700
A18154	961	04042	Planting - Fill Plant	07/01/2021	17.0	63677	18584
A56771	526	04089	Planting - Fill Plant	06/12/2021	7.0	63677	5762
A18154	966	04137	Planting - Fill Plant	06/15/2021	3.0	63677	4951
A18154	966	04137	Planting - Burn Piles	06/07/2021	2.0	53765	2475
A56771	560	05036	Planting - Burn Piles	07/01/2021	0.0	53765	255
A18154	582	05062	Planting - Establishment	07/25/2021	11.0	53765	9380
A18154	582	05062	Planting - Establishment	07/25/2021	11.0	63677	9380
A18154	565	05095	Planting - Burn Piles	06/01/2021	2.0	53765	2325
A18154	565	05096	Planting - Burn Piles	02/17/2021	0.0	53765	150
A56771	567	05097	Planting - Burn Piles	07/01/2021	0.0	53765	165
A18154	565	05098	Planting - Burn Piles	06/01/2021	0.0	53765	255
A18154	565	05127	Planting - Burn Piles	06/15/2021	1.0	53765	1215
A18154	575	05135	Planting - Burn Piles	06/15/2021	1.0	53765	1171
A18154	581	05139	Planting - Establishment	06/15/2021	11.0	63677	15433
A18154	584	05141	Planting - Establishment	07/30/2021	32.0	53937	4334
A18154	584	05141	Planting - Establishment	07/30/2021	32.0	63677	38916
A18154	584	05141	Planting - Establishment	07/30/2021	32.0	63677	87
A18154	582	05146	Planting - Establishment	07/25/2021	3.0	63677	4230
A18154	582	05147	Planting - Establishment	07/25/2021	7.0	63677	9243
A18154	582	05148	Planting - Establishment	07/25/2021	4.0	63677	5938
A18154	581	05157	Planting - Establishment	06/15/2021	6.0	63677	8583
A18154	581	05161	Planting - Establishment	06/15/2021	17.0	63677	23839
A18154	581	05165	Planting - Establishment	06/15/2021	32.0	53765	13566
A18154	581	05165	Planting - Establishment	06/15/2021	32.0	63677	31654
A18154	582	05166	Planting - Establishment	06/30/2021	9.0	63677	12539
A56771	374	05169	Planting - Establishment	06/15/2021	75.0	63677	99320
A18154	581	05170	Planting - Establishment	06/15/2021	35.0	63677	49842
A56771	374	05181	Planting - Establishment	06/15/2021	39.0	63677	60031
A56771	374	05181	Planting - Establishment	06/15/2021	17.0	53765	323
A56771	375	05192	Planting - Establishment	06/15/2021	7.0	63677	9240
A56771	375	05193	Planting - Establishment	06/15/2021	10.0	63677	10517



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A56771	375	05194	Planting - Establishment	06/15/2021	4.0	63677	5280
A18154	984	06064	Planting - Fill Plant	06/15/2021	39.0	63677	40424
A18154	563	09021	Planting - Establishment	06/01/2021	71.0	63677	93988
A18154	563	09021	Planting - Establishment	06/01/2021	71.0	53765	8731
A18154	563	09120	Planting - Establishment	06/15/2021	46.0	53765	24825
A18154	563	09120	Planting - Establishment	06/15/2021	86.0	63677	86175
A18154	580	09146	Planting - Establishment	07/16/2021	9.0	63677	12211
A18154	576	09151	Planting - Establishment	06/15/2021	93.0	53765	21762
A18154	576	09151	Planting - Establishment	06/15/2021	93.0	63677	78088
A18154	576	09151	Planting - Establishment	06/15/2021	93.0	44281	28163
A18154	475	09165	Planting - Establishment	06/15/2021	81.0	63677	113820
A18154	580	09168	Planting - Establishment	06/15/2021	28.0	53765	21614
A18154	580	09168	Planting - Establishment	06/15/2021	28.0	53765	300
A18154	580	09168	Planting - Establishment	06/15/2021	28.0	63677	8105
A18154	475	09201	Planting - Establishment	06/15/2021	35.0	63677	48511
A18154	370	10039	Planting - Burn Piles	07/01/2021	1.0	53765	555
A18154	370	10045	Planting - Burn Piles	07/15/2021	0.0	53765	510
A18154	550	10050	Planting - Burn Piles	06/15/2021	2.0	53765	2310
A18154	370	10051	Planting - Burn Piles	07/01/2021	1.0	53765	810
A56771	399	10053	Planting - Establishment	06/01/2021	65.0	53765	36228
A56771	399	10053	Planting - Establishment	06/01/2021	65.0	63677	84532
A60972	463	14021	Planting - Establishment	06/04/2021	2.0	63677	4934
A18154	465	14022	Planting - Establishment	07/01/2021	30.0	63677	59415
A18154	440	18027	Planting - Establishment	06/19/2021	13.0	43120	7138
A18154	440	18027	Planting - Establishment	06/19/2021	13.0	63677	9272
A18154	986	18044	Planting - Establishment	07/25/2021	41.0	53937	1894
A18154	986	18044	Planting - Establishment	07/25/2021	41.0	63677	61732
A18154	986	18044	Planting - Establishment	07/25/2021	41.0	63677	1698
A18154	986	18044	Planting - Establishment	07/25/2021	84.0	63677	122282
A60972	952	18055	Planting - Fill Plant	07/25/2021	20.0	63677	59370
A18154	543	19039	Planting - Burn Piles	07/01/2021	2.0	53937	240
A18154	543	19039	Planting - Burn Piles	07/01/2021	2.0	43120	1515
A18154	818	19101	Planting - Establishment	07/01/2021	13.0	63677	21120
A18154	818	19102	Planting - Establishment	07/21/2021	23.0	63677	32009



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A18154	818	19108	Planting - Establishment	07/01/2021	20.0	63677	21976
A18154	818	19108	Planting - Establishment	07/01/2021	20.0	43120	9554
A18154	818	19109	Planting - Establishment	07/01/2021	28.0	43120	9008
A18154	818	19109	Planting - Establishment	07/01/2021	28.0	63677	32464
A18154	818	19109	Planting - Establishment	07/01/2021	28.0	63677	3122
A18154	815	19110	Planting - Establishment	07/30/2021	10.0	43120	9184
A18154	815	19110	Planting - Establishment	07/30/2021	10.0	63677	6461
A18154	818	19111	Planting - Establishment	07/01/2021	12.0	63677	856
A18154	818	19111	Planting - Establishment	07/01/2021	12.0	63677	5400
A18154	818	19111	Planting - Establishment	07/01/2021	12.0	63677	11219
A18154	823	19113	Planting - Establishment	07/15/2021	21.0	43120	7592
A18154	823	19113	Planting - Establishment	07/15/2021	21.0	63677	19139
A18154	823	19115	Planting - Establishment	08/05/2021	35.0	63677	4742
A18154	823	19115	Planting - Establishment	08/05/2021	35.0	63677	48540
A18154	823	19116	Planting - Establishment	07/25/2021	29.0	63677	41310
A18154	818	19138	Planting - Establishment	07/01/2021	60.0	63677	85801
A18154	823	19150	Planting - Establishment	07/08/2021	12.0	63677	17525
A18154	823	19151	Planting - Establishment	07/25/2021	3.0	63677	3270
A18154	398	20078	Planting - Burn Piles	06/30/2021	2.0	53937	231
A18154	398	20078	Planting - Burn Piles	06/30/2021	2.0	63677	2334
A18154	507	20080	Planting - Burn Piles	07/01/2021	1.0	53937	240
A18154	507	20080	Planting - Burn Piles	07/01/2021	1.0	63677	540
A18154	693	24047	Planting - Burn Piles	07/01/2021	1.0	63677	1350
A18154	817	24049	Planting - Establishment	07/25/2021	25.0	43120	11083
A18154	817	24049	Planting - Establishment	07/25/2021	25.0	53765	19972
A18154	817	24049	Planting - Establishment	07/25/2021	25.0	63677	4930
A18154	817	24050	Planting - Establishment	07/25/2021	9.0	63677	421
A18154	817	24050	Planting - Establishment	07/25/2021	9.0	43120	11609
A18154	821	24233	Planting - Establishment	08/06/2021	20.0	63677	31811
A18154	821	24233	Planting - Establishment	08/06/2021	20.0	43120	649
A60972	816	24264	Planting - Establishment	07/08/2021	11.0	43120	9987
A60972	816	24264	Planting - Establishment	07/08/2021	11.0	63677	1318
A60972	816	24264	Planting - Establishment	07/08/2021	11.0	63677	6754
A60972	816	24266	Planting - Establishment	07/01/2021	14.0	63677	551



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A60972	816	24266	Planting - Establishment	07/01/2021	14.0	53937	4079
A60972	816	24266	Planting - Establishment	07/01/2021	14.0	43120	7100
A60972	816	24266	Planting - Establishment	07/01/2021	14.0	63677	5998
A60972	816	24266	Planting - Establishment	07/01/2021	14.0	53765	4322
A18154	680	24267	Planting - Burn Piles	07/01/2021	2.0	63677	1560
A18154	693	24268	Planting - Burn Piles	06/01/2021	0.0	63677	480
A18154	817	24277	Planting - Establishment	08/03/2021	16.0	63677	21594
A18154	817	24277	Planting - Establishment	08/03/2021	16.0	53937	1625
A18154	817	24278	Planting - Establishment	08/02/2021	2.0	63677	2729
A18154	817	24278	Planting - Establishment	08/02/2021	2.0	53937	482
A18154	817	24366	Planting - Establishment	08/15/2021	6.0	63677	5141
A18154	817	24366	Planting - Establishment	08/15/2021	6.0	53765	3514
A18154	827	24372	Planting - Establishment	07/01/2021	19.0	63677	4150
A18154	827	24372	Planting - Establishment	07/01/2021	19.0	63677	9709
A18154	827	24372	Planting - Establishment	07/01/2021	19.0	53937	12241
A18154	819	24373	Planting - Establishment	07/15/2021	32.0	63677	4942
A18154	819	24373	Planting - Establishment	07/15/2021	32.0	63677	46539
A60972	816	24394	Planting - Establishment	08/14/2021	18.0	63677	7955
A60972	816	24394	Planting - Establishment	08/14/2021	18.0	43120	20454
A18154	929	25037	Planting - Fill Plant	07/07/2021	3.0	63677	2160
A18154	424	27053	Planting - Establishment	05/20/2021	1.0	43120	1350
A18154	424	27053	Planting - Establishment	05/20/2021	1.0	63677	225
A18154	696	36040	Planting - Establishment	44278	114.0	63677	90640
A18154	696	36040	Planting - Establishment	03/23/2021	114.0	53937	63122
A18154	696	36040	Planting - Establishment	03/23/2021	114.0	43120	1244
A18154	696	36040	Planting - Burn Piles	04/27/2021	4.0	63677	4764
A18154	696	36040	Planting - Establishment	03/23/2021	114.0	53765	466
A18154	696	36041	Planting - Establishment	08/07/2021	37.0	63677	5313
A18154	696	36041	Planting - Burn Piles	07/07/2021	1.0	63677	172
A18154	696	36041	Planting - Burn Piles	07/07/2021	1.0	63677	448
A18154	696	36041	Planting - Establishment	08/07/2021	37.0	63677	14062
A18154	696	36041	Planting - Burn Piles	07/07/2021	1.0	53937	1102
A18154	696	36041	Planting - Establishment	08/07/2021	37.0	53937	34295
A18154	696	36042	Planting - Burn Piles	07/01/2021	2.0	63677	1800



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A18154	811	36055	Planting - Establishment	07/01/2021	12.0	63677	10263
A18154	811	36055	Planting - Establishment	07/01/2021	12.0	53937	6956
A18154	821	36065	Planting - Burn Piles	07/07/2021	1.0	63677	508
A18154	821	36065	Planting - Establishment	07/01/2021	18.0	63677	15126
A18154	821	36065	Planting - Establishment	07/01/2021	18.0	43120	10254
A18154	821	36065	Planting - Burn Piles	07/07/2021	1.0	43120	338
A18154	812	36066	Planting - Burn Piles	07/07/2021	1.0	53937	158
A18154	812	36066	Planting - Establishment	08/12/2021	23.0	63677	35747
A18154	812	36066	Planting - Burn Piles	07/07/2021	1.0	63677	1426
A18154	812	36066	Planting - Establishment	08/12/2021	23.0	53937	3972
A18154	810	36067	Planting - Burn Piles	06/01/2021	0.0	63677	270
A18154	812	36071	Planting - Burn Piles	08/09/2021	1.0	63677	1620
A18154	812	36081	Planting - Establishment	07/01/2021	118.0	43120	35724
A18154	812	36081	Planting - Establishment	07/01/2021	118.0	63677	11858
A18154	812	36081	Planting - Establishment	07/01/2021	118.0	53765	2965
A18154	812	36081	Planting - Establishment	07/01/2021	118.0	63677	86567
A18154	812	36081	Planting - Establishment	07/01/2021	118.0	53937	11117
A18154	812	36086	Planting - Establishment	10/23/2021	6.0	53937	4320
A18154	812	36086	Planting - Establishment	10/23/2021	6.0	63677	4320
A18154	815	36108	Planting - Establishment	07/01/2021	7.0	63677	6326
A18154	815	36108	Planting - Establishment	07/01/2021	7.0	43120	2368
A18154	815	36108	Planting - Establishment	07/01/2021	7.0	53937	1442
A18154	815	36108	Planting - Establishment	07/01/2021	7.0	53765	389
A18154	815	36110	Planting - Establishment	07/20/2021	8.0	63677	5398
A18154	815	36110	Planting - Establishment	07/20/2021	8.0	53937	6136
A18154	821	36113	Planting - Establishment	07/01/2021	9.0	53937	4161
A18154	821	36113	Planting - Establishment	07/01/2021	9.0	43120	161
A18154	821	36113	Planting - Establishment	07/01/2021	9.0	63677	8098
A18154	815	36114	Planting - Establishment	08/03/2021	33.0	53937	185
A18154	815	36114	Planting - Establishment	08/03/2021	33.0	43120	23116
A18154	815	36114	Planting - Establishment	08/03/2021	33.0	63677	22931
A18154	819	36115	Planting - Establishment	07/01/2021	43.0	63677	37942
A18154	819	36115	Planting - Establishment	07/01/2021	43.0	63677	4276
A18154	819	36115	Planting - Establishment	07/01/2021	43.0	53937	18007



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A18154	819	36116	Planting - Establishment	44378	55.0	53937	18710
A18154	819	36116	Planting - Establishment	44378	54.5	63677	28807
A18154	819	36116	Planting - Establishment	44378	54.5	63677	23088
A18154	278	45067	Planting - Fill Plant	44366	5.9	63677	6377
A18154	558	45089	Planting - Establishment	44348	14.8	63677	10680
A18154	558	45089	Planting - Establishment	44348	14.8	44281	10300
A18154	554	45091	Planting - Establishment	44348	14.1	63677	22700
A18154	564	45093	Planting - Burn Piles	44378	4.3	53765	2881
A18154	564	45093	Planting - Burn Piles	44378	4.3	44281	2086
A18154	292	45095	Planting - Establishment	44348	79.5	63677	100242
A18154	292	45095	Planting - Establishment	44348	79.5	53765	1114
A18154	292	45095	Planting - Establishment	44348	79.5	44281	10024
A18154	563	45102	Planting - Establishment	44378	10.7	63677	3294
A18154	563	45102	Planting - Establishment	44378	10.7	53765	11886
A18154	295	45111	Planting - Establishment	44348	37.1	63677	60793
A18154	693	S24061	Planting - Burn Piles	44378	0.3	63677	240
A18154	693	S24062	Planting - Establishment	44378	7.2	63677	7016
A18154	693	S24062	Planting - Establishment	44378	7.2	53937	3424
A18154	821	S24080	Planting - Establishment	44423	5	63677	7020



Table 50: Establishment Delay Report – Inventory Layer – Licencee Participants 2021

Harvest Start Date	Licencee	Licence	CP	Block ID	Regen Delay Met Date	Stratum Name	Stratum Area (ha)	Layer Type	Sp. 1	% Sp. 1	Sp. 2	% Sp. 2	Sp. 3	% Sp. 3
02/27/2018	CANFOR	PAG12	APR-95317	01119	10/29/2021	A	46.4	I	At	100				
08/12/2018	CANFOR	PAG12	APR-95317	01188	10/29/2021	A	65.6	I	At	100				
03/06/2018	LP	A85946	448	01192	10/29/2021	A	24.4	I	At	100				
07/26/2018	LP	A85946	448	01228	10/29/2021	A	19.0	I	At	100				
07/26/2018	LP	A85946	448	01228	10/29/2021	B	15.6	I	At	80	Ac	20		
03/20/2018	LP	A85946	448	01232	10/29/2021	A	13.2	I	At	80	Ac	20		
03/24/2018	LP	A85946	448	01245	10/29/2021	A	16.7	I	Ac	50	At	50		
01/14/2018	CANFOR	A56771	453	01257	10/29/2021	B	26.3	I	At	90	Ac	10		
03/19/2018	CANFOR	PAG12	APR-96053	01270	10/29/2021	A	3.1	I	At	100				
03/09/2018	CANFOR	PAG12	APR-95184	02149	10/29/2021	A	21.7	I	At	100				
02/28/2018	CANFOR	PAG12	APR-95184	02157	10/29/2021	A	9.4	I	At	100				
04/05/2018	CANFOR	A18154	546	02177	10/29/2021	A	88.8	I	At	100				
04/16/2018	LP	A60049	982	02233	10/29/2021	A	19.0	I	At	100				
08/11/2020	CANFOR	A18154	581	05139	08/18/2021	A	11.1	I	Sx	100				
07/30/2020	CANFOR	A18154	584	05141	07/30/2021	A	32.2	I	Sx	90	Pli	10		
08/13/2020	CANFOR	A18154	582	05146	08/18/2021	A	3.5	I	Sx	100				
08/20/2020	CANFOR	A18154	582	05147	08/18/2021	A	6.7	I	Sx	100				
08/17/2020	CANFOR	A18154	582	05148	08/18/2021	A	4.4	I	Sx	100				
09/09/2020	CANFOR	A18154	581	05157	08/18/2021	A	6.3	I	Sx	100				
08/26/2020	CANFOR	A18154	581	05165	08/18/2021	A	33.3	I	Sx	70	Pli	30		
08/18/2020	CANFOR	A18154	582	05166	08/18/2021	A	8.9	I	Sx	100				
11/10/2020	CANFOR	A56771	374	05169	08/25/2021	A	50.5	I	Sx	100				
11/10/2020	CANFOR	A56771	374	05169	08/25/2021	B	26.4	I	Sx	100				
12/01/2020	CANFOR	A18154	581	05170	08/18/2021	A	21.6	I	Sx	100				
12/01/2020	CANFOR	A18154	581	05170	08/18/2021	B	14.8	I	Sx	100				
12/11/2020	CANFOR	A56771	374	05181	08/25/2021	A	22.1	I	Sx	100				
12/11/2020	CANFOR	A56771	374	05181	08/25/2021	B	17.8	I	Sx	98	Pli	2		
12/07/2020	CANFOR	A56771	375	05192	08/25/2021	A	6.8	I	Sx	100				
11/17/2020	CANFOR	A56771	375	05193	08/25/2021	A	9.8	I	Sx	100				
12/11/2020	CANFOR	A56771	375	05194	08/25/2021	A	3.5	I	Sx	100				
03/02/2020	CANFOR	A18154	563	09021	08/26/2021	A	72.7	I	Sx	91	Pli	9		



Harvest Start Date	Licencee	Licence	CP	Block ID	Regen Delay Met Date	Stratum Name	Stratum Area (ha)	Layer Type	Sp. 1	% Sp. 1	Sp. 2	% Sp. 2	Sp. 3	% Sp. 3
03/07/2018	CANFOR	A18154	269	09086	10/29/2021	A	49.3	I	At	100				
06/23/2020	CANFOR	A18154	563	09120	08/26/2021	A	47.5	I	Sx	63	Pli	37		
06/23/2020	CANFOR	A18154	563	09120	08/26/2021	B	41.2	I	Sx	100				
10/21/2020	CANFOR	A18154	580	09146	08/26/2021	A	9.2	I	Sx	100				
09/04/2020	CANFOR	A18154	576	09151	08/26/2021	A	96.0	I	Sx	61	Pli	39		
09/29/2020	CANFOR	A18154	475	09165	08/26/2021	A	83.8	I	Sx	100				
08/25/2020	CANFOR	A18154	580	09168	08/30/2021	A	29.3	I	Pli	73	Sx	27		
09/18/2020	CANFOR	A18154	475	09201	08/26/2021	A	35.9	I	Sx	100				
11/07/2019	CANFOR	A56771	399	10053	08/26/2021	A	33.6	I	Sx	70	Pli	30		
11/07/2019	CANFOR	A56771	399	10053	08/26/2021	B	37.9	I	Sx	70	Pli	30		
12/19/2018	MPMC	A60972	463	14021	09/15/2021	A	2.5	I	Sx	100				
02/14/2019	CANFOR	A18154	465	14022	09/08/2021	A	29.8	I	Sx	100				
11/01/2015	CANFOR	A18154	440	18027	09/08/2021	B	13.6	I	Sx	57	Pli	43		
11/23/2020	CANFOR	A18154	818	19101	08/31/2021	A	13.5	I	Sx	100				
07/21/2020	CANFOR	A18154	818	19102	09/01/2021	A	23.4	I	Sx	100				
12/02/2020	CANFOR	A18154	818	19108	09/01/2021	A	20.6	I	Sx	70	Pli	30		
12/03/2020	CANFOR	A18154	818	19109	09/01/2021	A	29.3	I	Sx	80	Pli	20		
07/30/2020	CANFOR	A18154	815	19110	08/30/2021	A	10.5	I	Pli	58	Sx	42		
09/30/2020	CANFOR	A18154	818	19111	09/01/2021	A	12.7	I	Sx	100				
08/05/2020	CANFOR	A18154	823	19113	09/07/2021	A	21.6	I	Sx	72	Pli	28		
08/05/2020	CANFOR	A18154	823	19115	09/08/2021	A	36.0	I	Sx	100				
08/24/2020	CANFOR	A18154	823	19116	09/08/2021	A	29.8	I	Sx	100				
09/07/2020	CANFOR	A18154	818	19138	09/07/2021	A	61.6	I	Sx	100				
08/07/2020	CANFOR	A18154	823	19150	09/08/2021	A	12.7	I	Sx	100				
08/21/2020	CANFOR	A18154	823	19151	09/08/2021	A	3.2	I	Sx	100				
12/23/2020	CANFOR	A18154	817	24049	08/24/2021	A	25.7	I	Pli	87	Sx	13		
12/23/2020	CANFOR	A18154	817	24050	08/24/2021	A	9.1	I	Pli	96	Sx	4		
10/06/2020	CANFOR	A18154	821	24233	08/24/2021	A	20.6	I	Sx	98	Pli	2		
10/08/2020	MPMC	A60972	816	24264	09/14/2021	A	11.4	I	Pli	55	Sx	45		
10/15/2020	MPMC	A60972	816	24266	09/14/2021	A	13.9	I	Pli	70	Sx	30		
11/03/2020	CANFOR	A18154	817	24277	08/24/2021	A	16.8	I	Sx	93	Pli	7		
11/02/2020	CANFOR	A18154	817	24278	08/24/2021	A	2.4	I	Sx	85	Pli	15		
12/15/2020	CANFOR	A18154	817	24366	08/24/2021	A	6.5	I	Sx	60	Pli	40		



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Harvest Start Date	Licencee	Licence	CP	Block ID	Regen Delay Met Date	Stratum Name	Stratum Area (ha)	Layer Type	Sp. 1	% Sp. 1	Sp. 2	% Sp. 2	Sp. 3	% Sp. 3
11/02/2020	CANFOR	A18154	819	24373	08/24/2021	A	32.8	I	Sx	100				
10/21/2020	MPMC	A60972	816	24394	09/15/2021	A	18.5	I	Pli	72	Sx	28		
02/20/2017	CANFOR	A18154	424	27053	09/08/2021	A	1.2	I	Pli	85	Sx	15		
03/25/2020	CANFOR	A18154	696	36040	08/18/2021	A	117.9	I	Sx	58	Pli	42		
03/03/2020	CANFOR	A18154	696	36041	08/18/2021	A	38.6	I	Pli	63	Sx	37		
10/29/2020	CANFOR	A18154	811	36055	08/18/2021	A	12.5	I	Sx	60	Pli	40		
10/29/2020	CANFOR	A18154	821	36065	08/24/2021	A	18.6	I	Sx	60	Pli	40		
11/12/2020	CANFOR	A18154	812	36066	08/18/2021	A	22.6	I	Sx	90	Pli	10		
08/17/2020	CANFOR	A18154	812	36081	08/18/2021	A	121.3	I	Sx	66	Pli	34		
10/23/2020	CANFOR	A18154	812	36086	08/24/2021	A	6.8	I	Pli	50	Sx	50		
07/20/2020	CANFOR	A18154	815	36110	08/24/2021	A	8.4	I	Pli	53	Sx	47		
12/18/2020	CANFOR	A18154	821	36113	08/24/2021	A	9.1	I	Sx	65	Pli	35		
12/03/2020	CANFOR	A18154	815	36114	08/24/2021	A	33.5	I	Pli	51	Sx	49		
11/19/2020	CANFOR	A18154	819	36115	08/24/2021	A	44.8	I	Sx	71	Pli	29		
11/17/2020	CANFOR	A18154	819	36116	08/24/2021	A	56.2	I	Sx	74	Pli	26		
11/30/2020	CANFOR	A18154	558	45089	08/24/2021	A	14.8	I	Pli	50	Sx	50		
12/04/2020	CANFOR	A18154	554	45091	08/24/2021	A	14.1	I	Sx	100				
03/25/2020	CANFOR	A18154	292	45095	09/14/2021	A	82.0	I	Sx	90	Pli	10		
04/15/2020	CANFOR	A18154	563	45102	09/14/2021	A	11.0	I	Pli	78	Sx	22		
12/01/2020	CANFOR	A18154	295	45111	08/24/2021	A	38.2	I	Sx	100				
10/28/2020	CANFOR	A18154	693	S24062	08/24/2021	A	7.4	I	Sx	68	Pli	32		
12/17/2020	CANFOR	A18154	821	S24080	08/24/2021	A	5.2	I	Sx	100				



Table 51: BCTS Establishment Delay Calculation for Reporting Period of April 1, 2021, to March 31, 2022

Conifer					
Harvest Start Date	Net Area to be Reforested (NAR)	Cut Block #	TSL	# of days from harvest start through reporting period of March 31, 2021	# Days * NAR
2021-03-24	40.9	05057	TA1528	7	286.5
2020-11-30	5.5	05028	TA1528	121	665.5
2021-08-05	85.4	05079	A94059	238	20325.2
2021-08-10	13.7	05085	A94059	233	3192.1
2021-03-12	65.0	05151	TA0261	19	1235.0
2021-03-25	9.6	09075	A95319	6	57.6
2021-03-29	45.8	09131	A95319	2	91.6
2021-12-13	16.4	19096	TA0226	108	1090.8
2021-04-05	26.4	19097	TA0226	360	7452.0
2022-01-17	26.9	24378	TA0664	73	1961.5
2022-01-31	28.8	24380	TA0678	59	1699.8
2021-12-07	7.0	38038	TA0661	114	798.0
2021-01-27	10.09	45053	A95615	63	635.67
2021-02-09	26.3	05094	TA0245	50	1315.9
2020-12-21	166.4	05101	A94093	100	16643.0
2021-03-29	14.6	06132	TA0116	2	29.2
2021-02-20	143.0	07054	TA0217	39	5575.8
2020-12-09	47.0	07082	TA0217	112	5259.4
2021-03-04	57.8	07116	TA0215	27	1560.0
2020-12-22	52.5	08055	TA0219	99	5195.9
2021-11-10	18.79	36082	TA0611	142	2668.2
2021-03-27	52.0	09121	TA0629	4	208.2
2021-01-06	40.9	10064	TA0625	84	3438.9
2021-02-26	35.5	19056	A95689	33	1173.0
2021-02-24	8.8	19057	A95689	35	308.8
2021-03-03	11.4	19058	A95689	28	319.2
2021-02-18	30.7	19061	A95689	41	1256.9
2021-11-30	12.7	19062	A92981	121	1536.7
2021-03-18	27.1	19063	A92981	13	351.9
2021-03-15	11.3	19064	A92981	16	180.6
2021-09-28	35.2	38015	A92981	184	6476.8
2021-03-05	12.9	19065	TA0213	26	336.2
2020-12-28	72.1	19069	TA0213	93	6706.2
2021-03-05	17.8	19083	TA0213	26	464.0
2020-02-05	45.8	19088	A95648	420	19231.4



Conifer					
Harvest Start Date	Net Area to be Reforested (NAR)	Cut Block #	TSL	# of days from harvest start through reporting period of March 31, 2021	# Days * NAR
2020-03-13	78.0	21072	TA1146	383	29891.8
2020-01-22	37.6	23041	A94073	434	16335.8
2019-02-05	67.3	45001	A76796	785	52835.1
2020-11-25	201.6	45008	A76795	126	25400.7
2021-01-27	28.0	45053	A95615	63	1764.0
2019-02-13	28.3	45064	A92236	777	21973.6
2020-09-23	12.9	45096	TA0242	189	2429.7
2020-10-13	46.1	45097	TA0242	169	7797.3
Total	1,822.1			6024	278,155.4
Weighted number of days					152.66
Weighted number of years					0.42

Deciduous					
Harvest Start Date	Net Area to be Reforested (NAR)	Cut Block #	TSL	# of days from harvest start through reporting period of March 31, 2021	# days * NAR
2019-02-05	42.16	45001	A76796	785	33099.4308
2019-11-25	66.42	45041	TA0115	492	32677.63042
2021-01-25	19.78	45063	A76795	65	1285.871795
Totals	128.37			1342	67,062.93
Weighted number of days					522.44
Weighted number of years					1.43



Mixedwood					
Harvest Start Date	Net Area to be Reforested (NAR)	Cut Block #	TSL	# of days from harvest start through reporting period of March 31, 2021	# days * NAR
2021-03-04	13.84	07116	TA0215	27	373.61
2020-02-27	94.11	10057	TA0113	398	37456.63
2022-02-17	7.60	24377	TA0664	42	319.20
2022-01-11	37.30	24382	TA0664	79	2986.20
2021-11-22	29.10	36083	TA0611	129	3753.90
2020-12-27	20.83	38040	TA0661	94	1958.02
2020-12-13	23.40	38041	TA0661	108	2527.20
2021-01-10	13.00	38042	TA0661	80	1040.00
2021-12-07	7.05	38038	TA0661	114	803.70
2021-01-27	4.90	38043	TA0661	63	699.93
2021-10-15	26.30	45014	TA1100	167	4392.10
2021-04-06	38.3	10061	TA0625	359	13749.7
2021-11-08	38.7	09164	TA0629	143	5534.1
2021-04-02	18.6	05152	TA0261	363	3738.9
2020-09-23	36.40	45096	TA0242	189	4459.139
2021-11-15	15.80	45101	TA1396	136	2148.80
Totals	425.23			2,491	85,941.13
				Weighted number of days	202.11
				Weighted number of years	0.55



Table 52: Licensee Participants Conifer Establishment Delay Calculation for Reporting Period of April 1, 2021, to March 31, 2022

Licence	Permit	Cut Block	SU ID	Current Declaration	Harvest Start Date	SU NAR	Regen Met	Regen Days
A18154	280	09070	A	C	01/07/2018	8.2	N	12660.8
A18154	575	20079	A	C	03/16/2022	44.5	N	667.5
A18154	580	09162	A	C	03/24/2022	102.3	N	716.1
A18154	690	08050	A	C	01/21/2019	101.5	N	118247.5
A18154	690	08050	B	C	01/21/2019	14.5	N	16892.5
A18154	693	S24061	A	C	12/19/2019	7.1	N	5914.3
A18154	812	21046	A	C	01/26/2021	81.2	N	34834.8
A18154	822	07142	A	C	03/01/2022	2.4	N	72
A18154	831	46002	A	C	10/07/2021	18.4	N	3220
A18154	831	46004	A	C	10/04/2021	34.4	N	6123.2
A18154	831	46005	A	C	10/18/2021	14.7	N	2410.8
A18154	833	08084	A	C	01/20/2022	67.6	N	4732
A56771	436	09166	A	C	03/14/2022	38.3	N	651.1
A56771	436	09166	B	C	03/14/2022	11.7	N	198.9
A56771	436	09194	A	C	02/21/2022	17.3	N	657.4
A56771	534	23115	A	C	01/31/2018	14.3	N	21736
A60972	816	03099	A	C	11/09/2020	17.8	N	9024.6

Table 53: Licensee Participants Deciduous Establishment Delay Calculation for Reporting Period of April 1, 2021, to March 31, 2022

Licence	Permit	Cut Block	SU ID	Current Declaration	Harvest Start Date	SU NAR	Regen Met	Regen Days
A18154	287	09113	B	D	08/21/2018	27.4	N	36113.2
A18154	288	09126	B	D	09/07/2018	52.4	N	68172.4
A18154	288	09132	C	D	09/21/2018	22.4	N	28828.8
A18154	401	27033	A	D	11/11/2014	14.3	N	38567.1
A18154	424	27050	A	D	01/19/2017	2.8	N	5311.6
A18154	440	18027	A	D	11/01/2015	29.1	N	68152.2
A18154	444	27034	A	D	12/16/2016	215	N	415165
A18154	444	27036	A	D	01/26/2017	62.4	N	117936
A18154	454	02274	B	D	03/03/2018	1.3	N	1935.7
A18154	462	01299	B	D	12/09/2019	6.4	N	5395.2
A18154	530	04211	A	D	01/20/2018	156.7	N	239907.7
A18154	538	04260	B	D	03/28/2018	69.2	N	101308.8
A18154	549	06127	A	D	08/02/2018	20.5	N	27408.5
A18154	549	06128	B	D	07/25/2018	7	N	9415
A18154	555	05045	B	D	10/01/2018	11.5	N	14685.5
A18154	557	01315	A	D	06/11/2019	75.9	N	77721.6
A60972	529	02147	B	D	02/19/2018	8.3	N	12458.3



Licence	Permit	Cut Block	SU ID	Current Declaration	Harvest Start Date	SU NAR	Regen Met	Regen Days
A60972	952	18055	B	D	9/8/2017	70.1	N	116716.5
PAG 12	APR-92458	43067	A	D	3/14/2018	35.2	N	52025.6
PAG 12	APR-92458	43068	A	D	3/14/2018	44.8	N	66214.4
PAG 12	APR-92458	43069	A	D	3/19/2018	8.6	N	12667.8
PAG 12	APR-96042	02309	A	D	4/10/2018	69.3	N	100554.3
PAG 12	APR-96227	01325	A	D	8/27/2018	112.8	N	147993.6
PAG 12	APR-96705	01296	A	D	3/17/2022	5.8	N	81.2

Table 54: Licensee Participants Mixedwood Establishment Delay Calculation for Reporting Period of April 1, 2021, to March 31, 2022

Licence	Permit	Cut Block	SU ID	Current Declaration	Harvest Start Date	SU NAR	Regen Met	Regen Days



Appendix 5: Compliance



Table 55: Licencee Participant Contraventions Reported to Agencies - April 1, 2021 - March 31, 2022

Incident ID	Occurrence Date	Tenure	Location	Date Reported	Agency	Status	Issue Description

Table 56: BCTS Contraventions Reported to Agencies - April 1, 2021 - March 31, 2022

Incident ID	Occurrence Date	Tenure	Location	Date Reported	Agency	Status	Issue Description
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*There are no compliance infractions to report during the reporting period.



Appendix 6: Acronym Listing & Definitions

**Table 57: Acronym Listing and Definitions**

Acronym	Definition
AAC	Allowable Annual Cut
AIA	Archaeological Impact Assessments
AOA	Archaeological Overview Assessments
AOP	Areas Of (archaeological) Potential
ATV	All-Terrain Vehicle
BCTS	British Columbia Timber Sales
BEC	Biogeoclimatic Ecosystem Classification
BM	Boreal Foothills Mountain
BPU	Boreal Plains Uplands Natural Disturbance Unit
BRFN	Blueberry River First Nations
BV	Boreal Foothills Valley
CANFOR (Canfor)	Canadian Forest Products Ltd.
CCFM	Canadian Council of Forest Ministers
CCRES	Clear Cut with Reserves
CD	Conifer Leading Mixtures
CFLB	Crown Forested Land Base
CFSSU	Chief Foresters Standard for Seed Use
CMI	Change Monitoring Inventory
COFI	Council of Forest Industries
CRL	Cameron River Logging
CSA	Canadian Standards Association
CWD	Coarse Woody Debris
DC	Deciduous Leading Mixtures
DFA	Defined Forest Area
DRFN	Doig River First Nation
DTFN	Dene Tha First Nation
DZ	Dunne-za LP
EA	Effective Age
FIT	Forester-In-Training
FL	Forest Licence
FOS	Forest Operations Schedule
FPC	Forest Practices Code
FRPA	Forest & Range Practices Act
FSJ	Fort St. John
<i>FSJPPR</i>	<i>Fort St. John Pilot Project Regulation</i>
FSR	Forest Service Road
GIS	Geographic Information System
GRIRMP	Graham Resource Integrated Management Plan



Acronym	Definition
HLFN	Horse Lake First Nation
HRFN	Halfway River First Nation
IRM	Integrated Resource Management
ITS	Incident Tracking Systems
LB	Large Basins
LLS	Landscape Level Strategies
LP	Louisiana-Pacific Canada Ltd.
LRDW	Land Resource Data Warehouse
LRMP	Land and Resource Management Plan
LTHL	Long Term Harvest Level
LU	Landscape Unit
MFLNRORD	Ministry of Forests, Lands, Natural resource Operations and Rural Development
MKMA	Muskwa-Kechika Management Area
MOE	Ministry of Environment and Climate Change Strategy
MOF	Ministry of Forests
MPB	Mountain Pine Beetle
MPMC	Mackenzie Pulp mill corp
MSQ	Mean Stocked Quadrant
NAR	Net Area to be Reforested
NBM	Northern Boreal Mountains Natural Disturbance Unit
NDU	Natural Disturbance Unit
NHLB	Non-Timber Harvesting Land Base
NIT	Notice Of Intent To Treat
O&G	Oil and Gas
OSB	Oriented Strand Board
OM	Omineca Mountains
OV	Omineca Valley
PA	Pulpwood Agreement
PAG	Public Advisory Group
PAS	Permanent Access Structures
PFI	Peak Flow Index
PFR	Preliminary Field Reconnaissance
PMP	Pest Management Plan
PMV	Predicted Merchantable Volume
POC	Point of Commencement
POT	Point of Termination
PRFN	Prophet River First Nation
PVOSB	Peace Valley OSB
RESULTS	Reporting Silviculture Updates and Land Status Tracking System



Acronym	Definition
RMZ	Resource Management Zone
ROS	Recreation Opportunity Spectrum
RPF	Registered Professional Forester
RRZ	Riparian Reserve Zone
RUA	Road Use Agreement
S.A.F.E.	Safety Accord Forestry Enterprise
SFM	Sustainable Forest Management
SFMP	Sustainable Forest Management Plan
SFN	Saulteau First Nations
SI	Site Index
SLMG	Stand Level Management Guidelines
SLP	Site Level Plan
SMZ	Special Management Zone
SQCI	Stream Quality Crossing Index
TASS	Tree and Stand Simulator
TFT	Trainee Forest Technologists
TMV	Target Merchantable Volume
TOR	Terms of Reference
TRAP	Timber and Range Action Plan
TRIMC	Timber and Range Impact Mitigation Committee
TSA	Timber Supply Area
TSL	Timber Supply Licence
TSR	Timber Supply Review
TSS	Target Stocking Standard
UWR	Ungulate Winter Ranges
VQO	Visual Quality Objective
VRI	Vegetation Resources Inventory
WHA	Wildlife Habitat Areas
WMFN	West Moberly First Nation
WQCR	Water Quality Concern Rating
WQEE	Water Quality Effectiveness Evaluation
WTP	Wildlife Tree Patch



Appendix 7: Contact Information



For More Information regarding this report please contact:

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

<http://www.fsipilotproject.com/>