CANFOR GRANDE PRAIRIE STEWARDSHIP REPORT
MAY 1ST, 2014 - APRIL 30TH, 2020

CANFOR GRANDE PRAIRIE FMA #9900037
CERTIFICATION # PRI-SFI-FM-079
DECEMBER 1ST, 2020

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Stewardship Report
May 1st, 2014 - April 30th, 2020
Canadian Forest Products Ltd.
Alberta Forest Management Agreement 9900037

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Submission Date: December 1, 2020

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ACKNOWLEDGEMENTS

Canfor wishes to express appreciation to all members of the Canfor Forest Management Advisory Committee for their contribution in the development of the Values, Objectives, Indicators and Targets (VOITs) that formed the foundation of the 2015 Forest Management Plan and performance monitoring of that plan, which is exhibited in this report.

Canfor would also like to thank Norbord Inc., Tolko Industries Ltd., and the Government of Alberta (GoA) for the time, effort and expertise contributed towards the development of this Stewardship Report.

Executive Summary

This is the first iteration of a Stewardship Report developed for the *Canadian Forest Products Ltd. (Canfor) – 2015 Forest Management Plan* (FMP) submitted on May 1, 2015, approved on April 19, 2016, and is valid until April 30, 2025 for Forest Management Agreement (FMA) area 9900037. This report has been prepared in accordance to the *Forest Management Planning Standard Interpretive Bulletin: Stewardship Reporting Requirements* (June 15, 2017). It provides details of Canfor's progress in implementing the FMP Preferred Forest Management Scenario (PFMS) as well as the status of the Values, Objectives, Indicators, and Targets (VOITs) outlined in the FMP, for forest operations completed from May 1, 2014 to April 30, 2020.

Canfor has been granted the rights to establish, grow and harvest coniferous timber to supply fibre to its sawmill in Grande Prairie for over 56 years, since the Forest Management Agreement commenced in 1964. Norbord Inc. (DTA150003) and Tolko Industries (DTA150001, DTA150002) are both quota holders within the Canfor FMA area and have rights to the deciduous timber. Both Norbord and Tolko collaborated with Canfor in reporting on the VOITs outlined in this report.

The Stewardship Report serves as a "roadmap" that connects current operations with long-term management objectives that were developed in the FMP. It includes monitoring of performance targets and management strategies that are reflective of the environmental, social and economic values in the FMA area.

An important pillar of the Stewardship Report is a commitment to pursue continued improvement, which has led to the implementation of processes for reporting, reviewing, and responding to performance results and changing conditions. These processes include participation by Canfor's Public Advisory Committee, named the Forest Management Advisory Committee (FMAC), in the review of performance monitoring reporting and the preparation of revisions to the plan that address, among other things, changes in local community values. Canfor's FMAC recently celebrated their 25th anniversary which is a testament to the long-term commitment that Canfor and the members have in ensuring that sustainable forest management practices are implemented on the FMA area.

All commitments made in the FMP will continue to be monitored and will be reported on again in Canfor's second iteration of the Stewardship Report, due in 2025.

More information about sustainable forest management planning, public involvement, reporting and the Canfor FMA area can be obtained at the Canfor office in Grande Prairie and online at www.canfor.com.

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1.0 Introduction & Company Overview

1.1 Coniferous Operator

Canadian Forest Products Ltd.

Canfor Corporation is a leading Canadian integrated forest products company based in Vancouver, British Columbia with facilities in British Columbia, Alberta and the States of Alabama, Georgia, Mississippi, Arkansas, Louisiana, Texas, North and South Carolina.

In 2018, Canfor made an acquisition of the VIDA Group located in Sweden. This includes nine sawmills utilizing spruce and pine along with nine value-added facilities that include premium packaging, modular housing, industrial products and energy. VIDA Group recently completed the purchase of three additional sawmills from Bergs Timber this past September. In May, Canfor completed its purchase of Elliott Sawmilling Co., Inc. located in Estill, South Carolina.

There is an increasing demand worldwide for certified wood products. This has led to the development of a number of certification systems to provide assurance to consumers that wood products have been produced using environmentally and socially responsible forest practices. Canfor's Grande Prairie Forest Management Agreement area FMA9900037 and Quota CTQP190001 are currently certified to the Sustainable Forestry Initiative (SFI) Standard. The FMA area was previously certified to the Canadian Standards Association (CSA) Sustainable Forest Management (SFM) standards, however SFI certification was pursued in 2018 to allow for consistency between Canfor's Canadian operations as well as their operations in the United States and Sweden.

The Sustainable Forestry Initiative (SFI) indicates that Canfor must provide meaningful opportunities for public participation in the planning process. This includes public engagement to identify forest values of specific importance to environmental, social, and economic concerns and needs for the FMA area. The public also partakes in developing objectives, indicators and targets to ensure that these values are addressed during the development of the FMP. Canfor is audited by a third party to maintain SFI certification annually, and takes part in an internal audit process as well.

Canfor has set a number of commitments that define the mission, vision and guiding principles for the Company. These commitments were used to enable and guide the development of the current Forest Management Plan (FMP) and also commit to the continual improvement of performance in implementing the plan under the principal of adaptive management.

Active deciduous quota holders operating on the FMA area are required to conduct their operations in accordance with *Canfor's 2015 Forest Management Plan* (Canfor, 2015a) and *Canfor Operating Ground Rules* (June 22nd, 2016)(Canfor, 2016), which aligns with many of the required VOITs. The plan is written to provide management direction on all forest land within the FMA area, which is also referred to as the Defined Forest Area (DFA) (Figure 1).

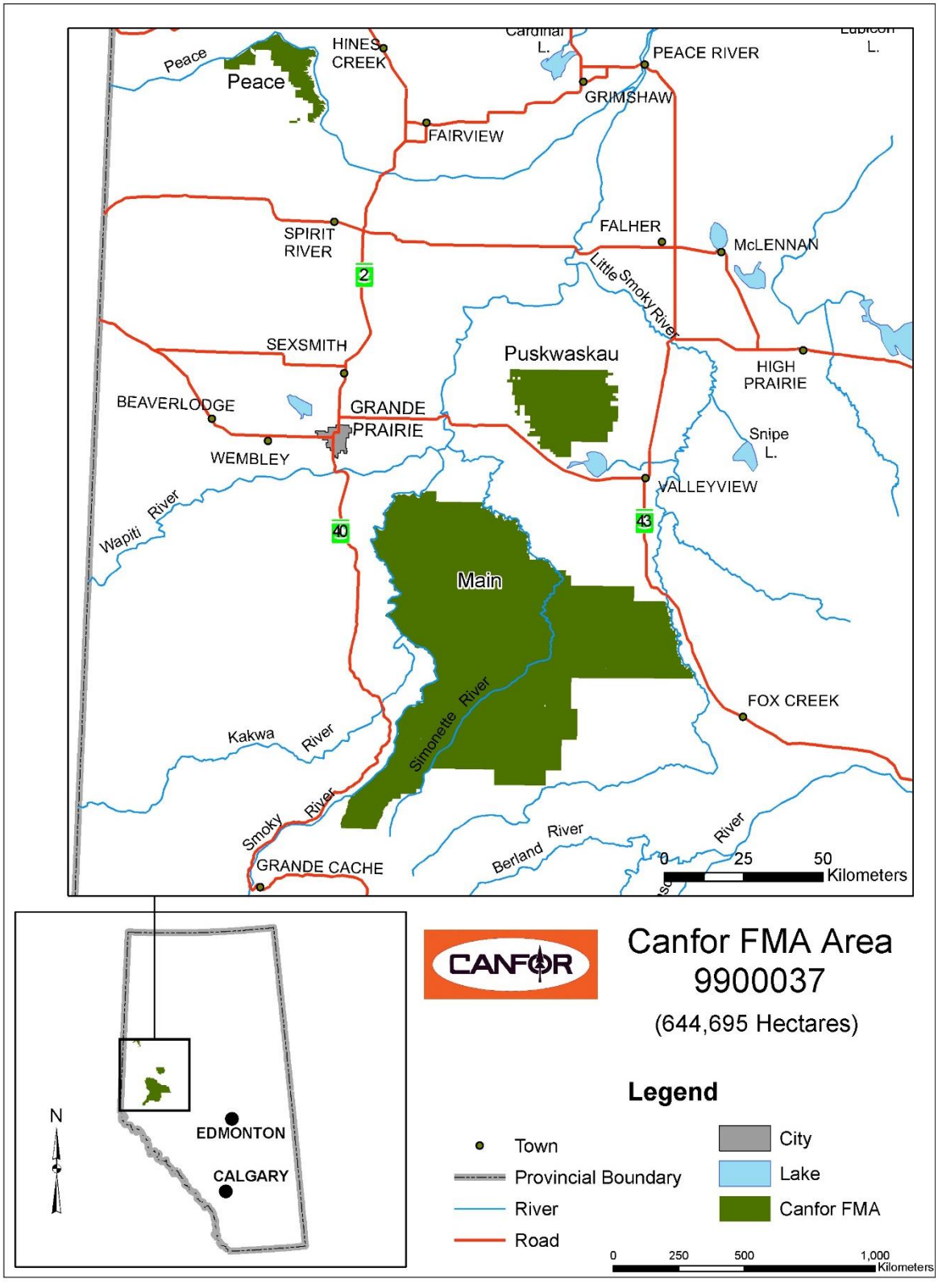

Figure 1: Canfor Forest Management Agreement Area

Canfor Grande Prairie directly employs over 195 people in administration, sawmill and woodlands operations. A further 185 people are employed by Canfor's contractors to deliver approximately 1,100,000 m^3 of conifer logs annually from Canfor's FMA area and Quotas (includes energy sector salvage volume). Any additional volume requirements are purchased through Commercial Timber Permits (CTPs) or from private sources.

The Grande Prairie sawmill produces approximately 300 million board feet of dimension lumber (2 inch thickness to 20 feet in length) and 150,000 oven-dry units of wood chips. Canfor Green Energy is located adjacent to the Grande Prairie sawmill. All hog fuel, sawdust and shavings (residual fiber) produced from the sawmill are currently utilized by the Canfor Green Energy co-generation plant. Wood chips (also residual fiber) are also sold for processing as pulp.

To learn more information about Canfor please visit www.canfor.com.

1.2 Deciduous Operators

Norbord Inc.

Norbord, formerly Ainsworth Engineered Canada Ltd, holds a deciduous timber allocation (DTAG150003) within the Canfor FMA area. This allocation allows them to harvest deciduous timber such as trembling aspen, balsam popular, and white birch for their Oriented Strand Board (OSB) facility south of Grande Prairie.

Tolko Industries Ltd.

Tolko holds two deciduous timber allocations on the Canfor FMA area, DTAG150001 and DTAG150002. Tolko owns and operates an OSB mill in High Prairie, which closed in 2008 due to poor market conditions, but restarted production in 2018. Details on both Tolko allocations can be found in Table 1.

1.3 FMP Overview

Development of Canfor's 2015 FMP began in 2010 and included the involvement of Canfor's public advisory group, named the Forest Management Advisory Committee (FMAC), Plan Development Team (PDT), Government of Alberta (GoA), Indigenous Communities, and other stakeholder input. The structure and content of the 2015 FMP aligned with the requirements of the *Alberta Forest Management Planning Standard (AFMPS) ver 4.1* (ASRD, 2006). Canfor worked with the FMAC extensively to develop the Values, Objectives, Indicators, and Targets that are reported on in Section 11. In addition to this, careful considerations were given to develop specific management strategies for values that were identified by the FMAC, GoA, Indigenous Communities, and other stakeholders. These strategies helped form the basis of the selected Preferred Forest Management Scenario (PFMS) that addresses social, economic, and sustainability objectives.

The 2015 FMP was originally due for submission on May 1, 2012, however an extension was granted due to delays in caribou range planning. The FMP was submitted for approval on May 1, 2015 and approved by the GoA on April 18, 2016. The Spatial Harvest Sequence (SHS) is effective May 1, 2014 and the approved Annual

Allowable Cut (AAC) based on the PFMS is effective May 1, 2015. Approved AAC's by disposition and tenure holder are outlined in Table 1.

Table 1: Approved Annual Allowable Cut by Disposition

FMU	Company	Disposition Number	Allocation Species	Allocation (m^3/yr)
G15	Canfor	FMA9900037	Coniferous	704,100
G15	CTPP	CTPP	Coniferous	10,000
G15	Norbord	DTAG150003	Deciduous	169,546
G15	Tolko	DTAG150001	Deciduous	114,406
G15	Tolko	DTAG150002	Deciduous	168,548

1.4 Reporting Period

The reporting period for this Stewardship Report is May 1, 2014- April 30, 2020, which aligns with the effective date of the Spatial Harvest Sequence. This also equates to the 2014 to 2019 timber years. Performance monitoring prior to May 1, 2014 was summarized in *Section 4 of Canfor's 2015 Forest Management Plan* (Canfor, 2015a).

2.0 Alberta Forest Management Planning Standard Interpretive Bulletin: Stewardship Reporting Requirements

2.1 Mandatory Components

The Government of Alberta released the *Forest Management Planning Standard Interpretive Bulletin: Stewardship Reporting Requirements* on June 15, 2017 (GoA, 2017). The purpose of this document is to standardize what content must be reported in the Stewardship Report. This includes mandatory components that provide information on how the FMP has been implemented thus far, such as:

1. A review and status of FMP Approval Decision conditions
2. Regional or DFA-specific management objectives
3. Approved FMP SHS variance assessment
4. Landbase changes
5. AAC review
6. Growth and Yield program maintenance
7. Seed availability and usage
8. FGRMS reporting

2.2 VOITs Reporting

Canfor developed 61 VOITs to be monitored and reported on over the course of the FMP. Many of these VOITs were developed to align with the *Alberta Forest Management Planning Standard* (ASRD, 2006). These VOITs were also developed to satisfy the requirement for the Canadian Standards Association Sustainable Forest Management (CSA SFM) Z809-08 certification at that time. Canfor Grande Prairie is no longer certified under the CSA SFM standard and as of 2018 has opted to be certified by the Sustainable Forestry Initiative (SFI). These VOITs still play a crucial role in how Canfor executes its PFMS and implements sustainable forest management practices at both a strategic and an operational level.

The VOITs which Canfor developed for the *2012 Sustainable Forest Management Plan* (Canfor, 2015b), for the current FMP, submitted in 2015, were developed based on 6 different criterion outlined by the Canadian Council of Forest Ministers (CCFM) that cover a wide range of environmental, social, and economic values, all of which contribute to sustainable forest management. This includes:

1. Biological diversity
2. Ecosystem productivity
3. Soil and water
4. Global ecological cycles
5. Multiple benefits to society
6. Accepting societies responsibility for sustainable development

Each of these criteria is further broken down in Annex 4 of the *Alberta Forest Management Planning Standard* (ASRD, 2006), to provide more detailed guidance on what items should be reported. When constructing the VOITs, Canfor's public advisory group, named the Forest Management Advisory Committee (FMAC), offered their valuable input in identifying the values that were most important to them and felt should be given special consideration. Members of the FMAC represent a broad cross-section of local interests including Indigenous, recreational, public, Environmental Non-Government Organizations (ENGO), education, tourism, trapping, local municipal governments, outfitting, oil and gas, conservation, water, and fish and wildlife. Although the SFI standard does not specifically require companies to maintain public advisory groups, Canfor Grande Prairie Division sees strength in maintaining the FMAC, which was established in 1995. The value that the FMAC brings in providing local input and feedback into Canfor's forest management and operations has been integral to the success of the division over the last 25 years and is a value that Canfor desires to maintain.

Section 11.0 provides detailed information regarding performance monitoring to each of the specific VOITs to date.

3.0 Forest Management Plan Approval Decision Conditions

Upon review of the *Canfor 2015 Forest Management Plan* (Canfor, 2015a) by the Government of Alberta's Forest Management Branch, twelve Approval Decision Conditions were identified. The approval conditions outline a list of requirements to be met after the approval of the FMP as well as authorize submission dates for important documents and reports as required by provincial law.

Table 2 contains details about each approval condition and the due date, if applicable. Approval decision conditions are non-negotiable and must be fulfilled, or the disposition holder risks being in default of their FMA.

#	Approval Condition	Due Date	Approval Date	Comments
1.1	Public Consultation	Ongoing	N/A	All timber disposition holders, FMA holder and Quota Holders, shall keep written documentation of the issues and comments raised by the public during operational plan consultation, as well as responses and actions to address the concerns. This shall be made available to the Government of Alberta upon request.
1.2	Aboriginal Consultation	Ongoing	N/A	All timber disposition holders shall: i. Adhere to the provincial policies and guidelines for Aboriginal Consultation. ii. Document consultation efforts and activities, issues raised, and timber disposition holders' responses. This documentation shall be made available to the Government of Alberta upon request.
2.1	Mountain Pine Beetle	Ongoing	N/A	All timber disposition holders shall discuss priorities and coordinate efforts for mountain pine beetle control, timber salvage and forest renewal activities with the Forestry Manager, Grande Prairie Forest Area for inclusive operational planning.

Table 2: Approval Decision Conditions for the 2015 Canfor FMP

#	Approval Condition	Due Date	Approval Date	Comments
3.1	Spatial Harvest Sequence (SHS)	Ongoing	GDP - June 1 Annually	i. All timber disposition holders shall follow the approved mapped twenty-year harvest sequence as presented in the FMP. ii. All timber disposition holders may modify the approved SHS by deleting and replacing stands from the contributing landbase provided that: a. the additions include no more than 20% of the total sequenced area in each compartment (Timber Supply Sub-unit) per decade. b. harvesting does not exceed 100% of the total area within the SHS by compartment by decade. c. timber disposition holders do not have more additions than deletions and deferrals. Preference will be given to the second ten year period for additions. iii. Stands may be added from the non-contributing landbase subject to department approval. iv. All timber disposition holders shall track the variance according to the approved current Operating Ground Rules that apply to the DFA. v. Should any timber disposition holder exceed the thresholds described in (ii), the Forestry Manager, Grande Prairie Forest Area, may require the completion of a Compartment Assessment and the Director, Forest Resource Management, may recommend the reduction of the approved AAC to reflect the impact of the variance. vi. The department requires the deviation from the approved SHS to be reported annually as per the Operating Ground Rules. The five-year Stewardship Report will include an analysis of the deviation from the approved SHS (Approval condition 10.1) and describe the impacts of the deviation on forecasts made in the FMP. vii. Generally, the department will not request a modification to the approved SHS unless required by a change in legislation, a policy approved by the Minister, or a deviation from acceptable SHS thresholds.

#	Approval Condition	Due Date	Approval Date	Comments
4.1	Stand Level Structure Retention	September 1, 2016	December 14, 2016	i. The Canfor FMP includes an objective to retain stand level structure. On a five year rolling average, no less than 4% of area (ha) harvested will be retained as merchantable un-harvested and dispersed structure retention across the DFA. The stand level structure retention is required to be representative of the status (live/dead), size, and species of the overstorey trees by subunit and entire DFA. ii. By September 1, 2016 Canfor shall submit a process that is acceptable to the Director, Timber Production Auditing and Revenue that outlines the monitoring and reporting of the stand level structure retention strategy for all timber disposition holders. The monitoring and reporting process must include: a. The method of accounting for the merchantable volume in stand retention to drain the AAC, b. The timing and frequency of the reporting, and c. The method of determining the volume. iii. All timber disposition holders operating on the DFA area shall adhere to the FMP structure retention strategy.
5.1	Woodland Caribou	Upon Caribou Range Plan Approval	N/A	i. Alberta is preparing range plans for woodland caribou. When applicable plans are approved, Canfor shall review its plan with the department to ensure its alignment and compliance with all its requirements.
6.1	Growth and Yield Program	September 1, 2016	June 30, 2017	By September 1, 2016 Canfor shall submit a Growth and Yield Program to the Director, Forest Resource Analysis for approval.
7.1	Seral Stage Old Growth Targets	September 1, 2016	October 13, 2016	By September 1, 2016 Canfor shall submit a Timber Supply Analysis (TSA) sensitivity analysis to test the AAC response to the maintenance of non-declining old seral stage forest targets on the contributing landbase for each of the Boreal and Foothills subregions in 100-200 years. Alternative ways of setting the old forest target in the Boreal forest may be considered but must be acceptable to the department.
8.1	Long-Term Access	January 1, 2017	December 14, 2016	i. The proposed Forest Trunk Road (FTR) bypass is not approved. The FTR bypass would create a parallel access and a loop road within the designated key Wildlife Biodiversity Zone of the Smoky River valley and does not meet the objectives of integrated land management. ii. By January 1, 2017 Canfor shall resubmit its long-term access plan. The long-term access plan must take into account the principles of integrated land management and in co-operation with other land users.

#	Approval Condition	Due Date	Approval Date	Comments
9.1	Delivered Timber Volume Monitoring and Reporting Program	May 1, 2017	December 15, 2017	By May 1, 2017, a Delivered Timber Volume Monitoring and Reporting Program, that compares delivered harvest volumes to harvested area yield forecasts, acceptable to the Director, Timber Production, Auditing and Revenue shall be prepared for department review.
10.1	Performance Monitoring and Reporting	November 1, 2020	Submitted on December 1, 2020	i. Canfor shall prepare a five-year Stewardship Report that documents the operational performance of each timber disposition holder's activities implementing the FMP. All timber disposition holders shall cooperate in providing supporting information for Stewardship Reporting. Where deviations from the planned outcomes exist, analyses shall discuss the reasons for the deviations and describe each timber operator's corrective action, taken or proposed. ii. By November 1, 2020 a Stewardship Report current to May 1, 2020 and acceptable to the Director, Forest Resource Management shall be prepared for department review. All timber disposition holders shall seek guidance from the department on required content.
11.1	Future Forest Management Plan	May 1, 2025	N/A	By May 1, 2025, Canfor shall submit a new FMP for department review that meets the FMPS, unless otherwise approved by the Minister.

4.0 Regional or DFA-Specific Management Objectives

4.1 Mountain Pine Beetle

Canfor's MPB strategy in the 2015 FMP aligned with the *MPB Interpretive Bulletin* (ASRD, 2007), with the objective of targeting 75% harvest of susceptible pine and infested merchantable stands. This was a continuation of Canfor's previous *2009 Healthy Pine Strategy* FMP Amendment.

In the development of the FMP timber supply analysis, forested stands were given a mountain pine beetle harvest priority ranking based on yield group, pine percent, stand height, density, and piece size. Harvest priority rankings were used to identify and target 75% of the susceptible volume over the first 10 years of the planning horizon.

Canfor has made significant progress in implementing the MPB Strategy and through this has managed to drastically limit the spread of MPB through the FMA area. Recent surveys conducted by the Government of Alberta indicate that the MPB populations within the FMA area are fairly low at this time. Table 3 illustrates the percent reduction of MPB threatened stands based on ten harvest priority rankings (with ten being the highest priority), as a result of harvest activities completed between May 1, 2014 and April 30, 2020.

Table 3: MPB Mitigation Overview - Reduction of MPB Threatened Pine Stand Areas

MPB Stand Susceptibility Index	Total Area (ha)	THLB area (ha)	10 year SHS Area (ha)	Area Harvested (ha)	% MPB risk reduction of THLB
0	569,102.8	414,215.5	16,986.4	7,592.4	2%
1	-	-	-	-	0%
2	687.7	582.8	0.5	1.4	0%
3	2,819.2	2,127.2	0.6	3.6	0%
4	4,745.0	4,078.5	51.5	64.7	2%
5	6,401.3	5,605.1	102.6	229.9	4%
6	7,432.7	6,536.8	358.9	427.9	7%
7	14,476.2	12,980.5	1,892.1	1,563.9	12%
8	16,337.7	14,330.5	2,806.5	2,663.7	19%
9	11,927.0	10,092.7	1,726.5	1,484.2	15%
10	11,145.0	10,026.1	2,696.1	2,576.7	26%

4.2 Woodland Caribou

Canfor's FMA area overlaps with the Little Smoky (LS) and A La Peche (ALP) caribou herd's ranges (Figure 2). In the development of the 2015 FMP, Canfor worked extensively to establish a Caribou Management Strategy that in the absence of a Provincial Range Plan would meet the objectives of caribou habitat management, while still balancing other social and economic values. This strategy included harvest timing deferrals in key areas, a commitment to avoid permanent road construction, and reforestation strategies to minimize habitat for alternate prey. These strategies were reviewed with Alberta Environment and Parks at the time and were

deemed acceptable for inclusion in the FMP in the absence of a Provincial Range Plan. Upon approval of the 2015 FMP, Condition of Approval 5.1 was provided that stated:

> *"Alberta is preparing range plans for woodland caribou. When applicable plans are approved, Canfor shall review its plan with the department to ensure its alignment and compliance with all its requirements."*

Canfor continued to participate in Caribou Range Planning activities post FMP approval, which included the modeling of several different scenarios. In June 2018, Canfor received a letter from the Government of Alberta providing direction for planning harvest areas within the Little Smoky and A La Peche Caribou ranges. In addition to this, guidelines for approving Annual Operating Plans under the draft Caribou Range Plan were also provided. The guidance included a scheduled aggregated harvest within the caribou ranges. The intent of the aggregated harvest is to firstly complete harvesting in timber supply sub-units that are already disturbed, and not return to those areas for at least one hundred years to allow the area to grow into future caribou habitat. As the operators move through the scheduled compartment series, areas that are not being operated in will provide caribou habitat and those being operated in will become future caribou habitat, while at the same time reducing the overall amount of disturbance within the ranges.

This guidance provided a shift in Canfor's 2015 FMP Caribou Management Strategy in that, the approved Spatial Harvest Sequence (SHS) within the range is not being adhered to. Canfor's focus within the caribou range has been to harvest as much of the merchantable volume as possible within the first designated harvest period, while still adhering to the approved Annual Allowable Cut (AAC) level. The initial harvest period will be completed at the end of the 2020 timber year, after which, compartments forming part of the second period will be entered. The guidance stated that all harvesting that occurs outside of the caribou range must adhere to the approved SHS. The change in strategy within the caribou ranges has impacted the variance within those timber supply sub-units as is shown in Section 5.0 Spatial Harvest Sequence Variance.

As a result of the change in direction provided for operations within the LS and ALP Caribou Ranges, Canfor has assessed the impacts to some of the Timber and Non-Timber Values in this Stewardship Report through assessment of the modeled VOITs. Of particular interest were potential impacts to seral stage, patch size, old interior forest, and watersheds. The current modelling shows that the change in Caribou Management Strategy has not resulted in any significant impacts to these values to date. Information relating to the current status of these VOITs in comparison to the ten year projections based on the PFMS can be found in Section 11.0 of this document.

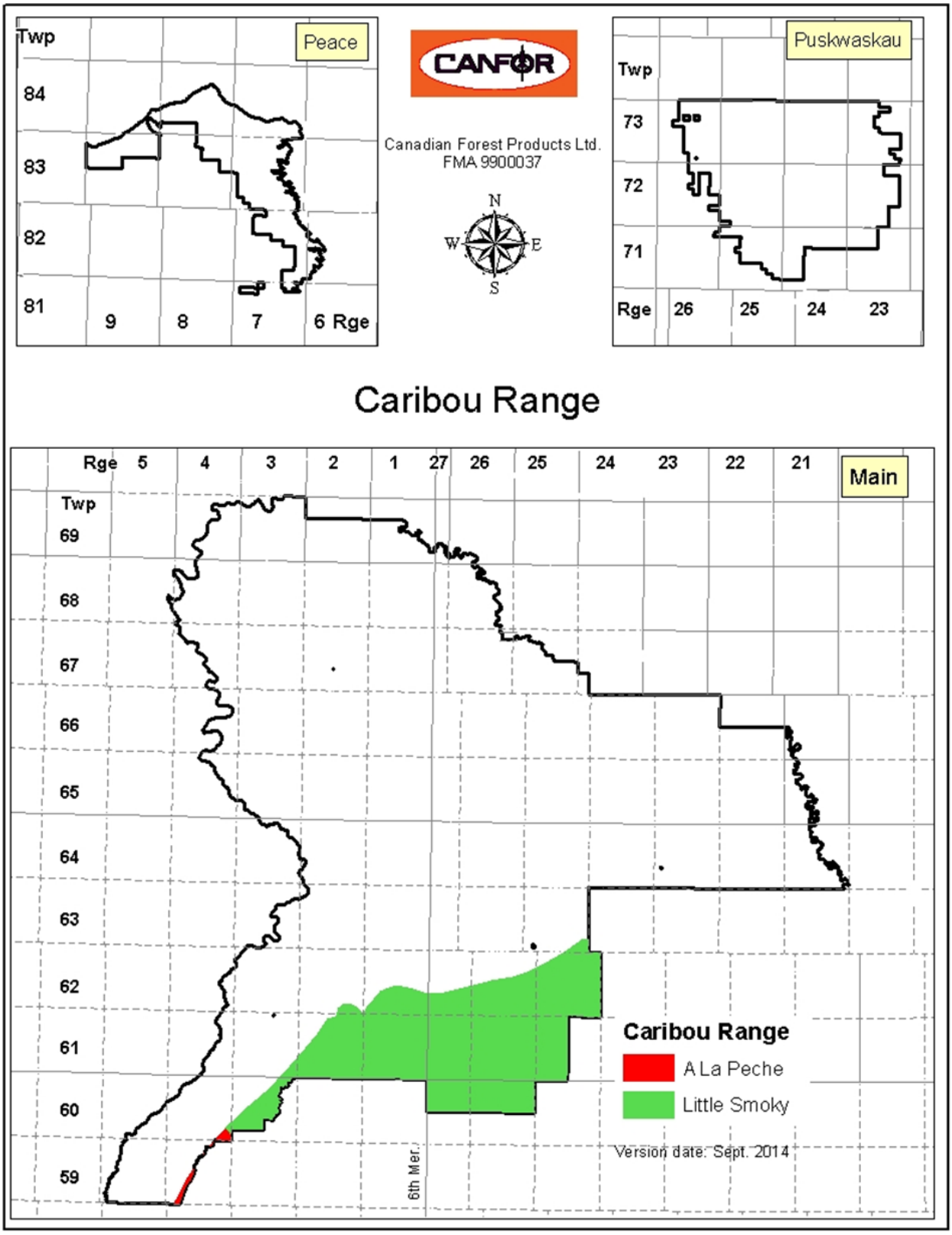

Figure 2: Caribou Range across the DFA

4.3 Equivalent Clear Cut Area and High Risk Watersheds

The requirement of completing a watershed assessment under the *Alberta Forest Management Planning Standard* (ASRD, 2006) is intended to investigate potential impacts of planned harvest on watershed values. The watershed assessment defines all watersheds with an Equivalent Clear Cut Area (ECA)[1] greater than 50% as high risk and recommends that mitigation strategies be applied to these areas. In order to mitigate potential risk in the moderate and high risk watersheds Canfor developed a VOIT to implement mitigation strategies when operating within those watersheds (VOIT 3.2.1a, Section 11.3). In addition to mitigation strategies being applied in the moderate and high risk watersheds through operational planning and during operations, Canfor constrained its timber supply model from scheduling harvest that would push watersheds above the 50% ECA threshold (high risk). Doing so, reduced the risk to watersheds on the DFA when stands were selected for the Spatial Harvest Sequence in the Preferred Forest Management Scenario. Figure 3 depicts the watershed risk level at the beginning of the 10 year Spatial Harvest Sequence and Figure 4 depicts the projected watershed risk level at the end of the 10 year Spatial Harvest Sequence.

Figure 5 identifies the current watershed risk based on operations completed between May 1, 2014 and April 30, 2020. It illustrates that by following the SHS the current watershed risk in the DFA is as projected in the PFMS. The only inconsistency being, that watershed risk is slightly higher than projected in Watershed 70. This watershed is located within the caribou range, therefore harvesting varied from the SHS as described in Section 5.0. Only a small portion of this watershed is within the Canfor DFA, therefore the calculated risk is not representative of the watershed as a whole. In following the aggregated harvest pattern within the caribou range, harvesting operations within this watershed will be completed at the end of the 2020 timber year and Canfor's prompt reforestation and enhanced silviculture practices will accelerate the reduction in ECA within that area. For a detailed summary of the watershed risk by each watershed within the DFA refer to Appendix 1.

[1] Equivalent Clearcut Area is an indicator used to measure the relative loss and recovery of hydrologic function of a watershed with disturbance.

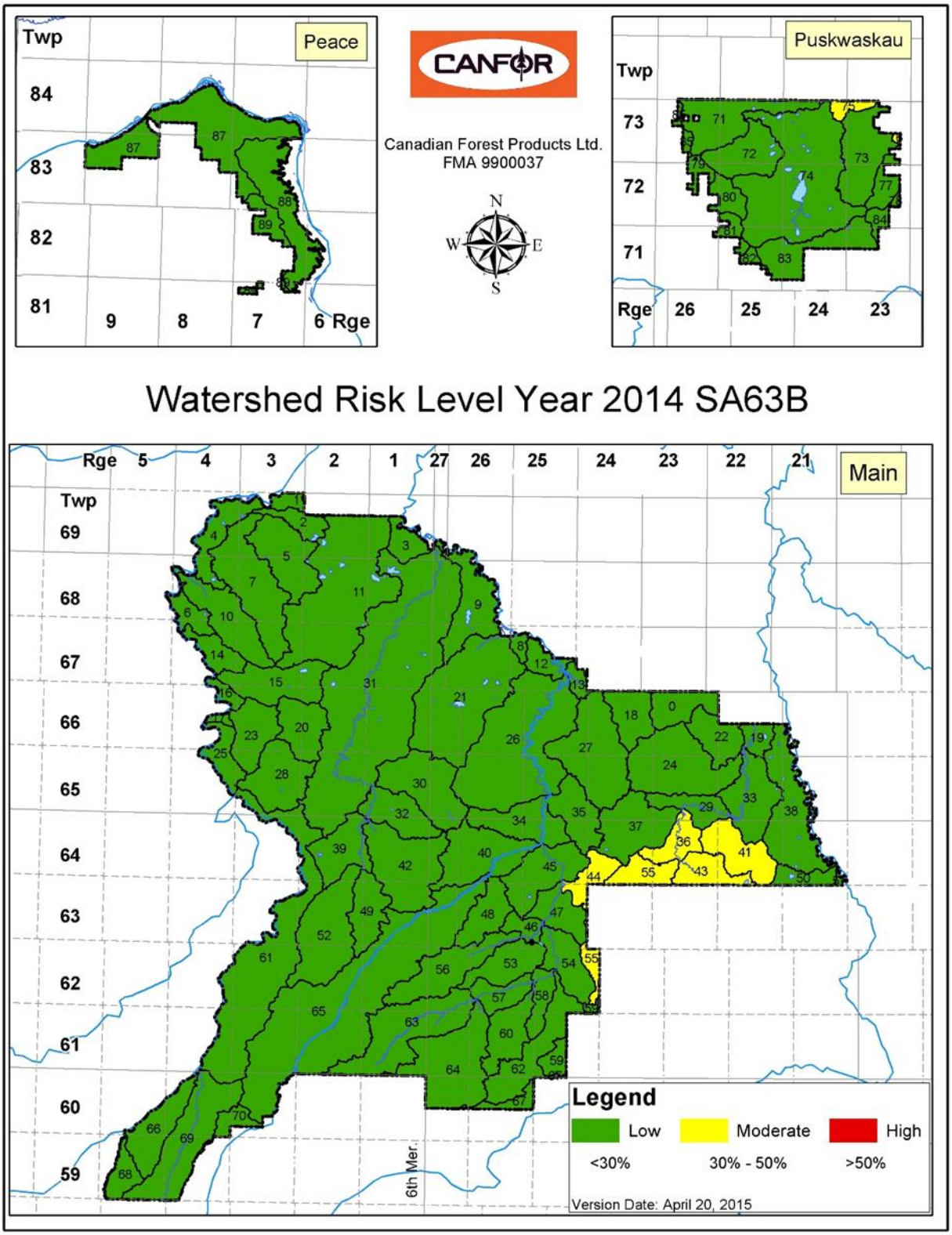

Figure 3: 2014 Watershed Risk Level

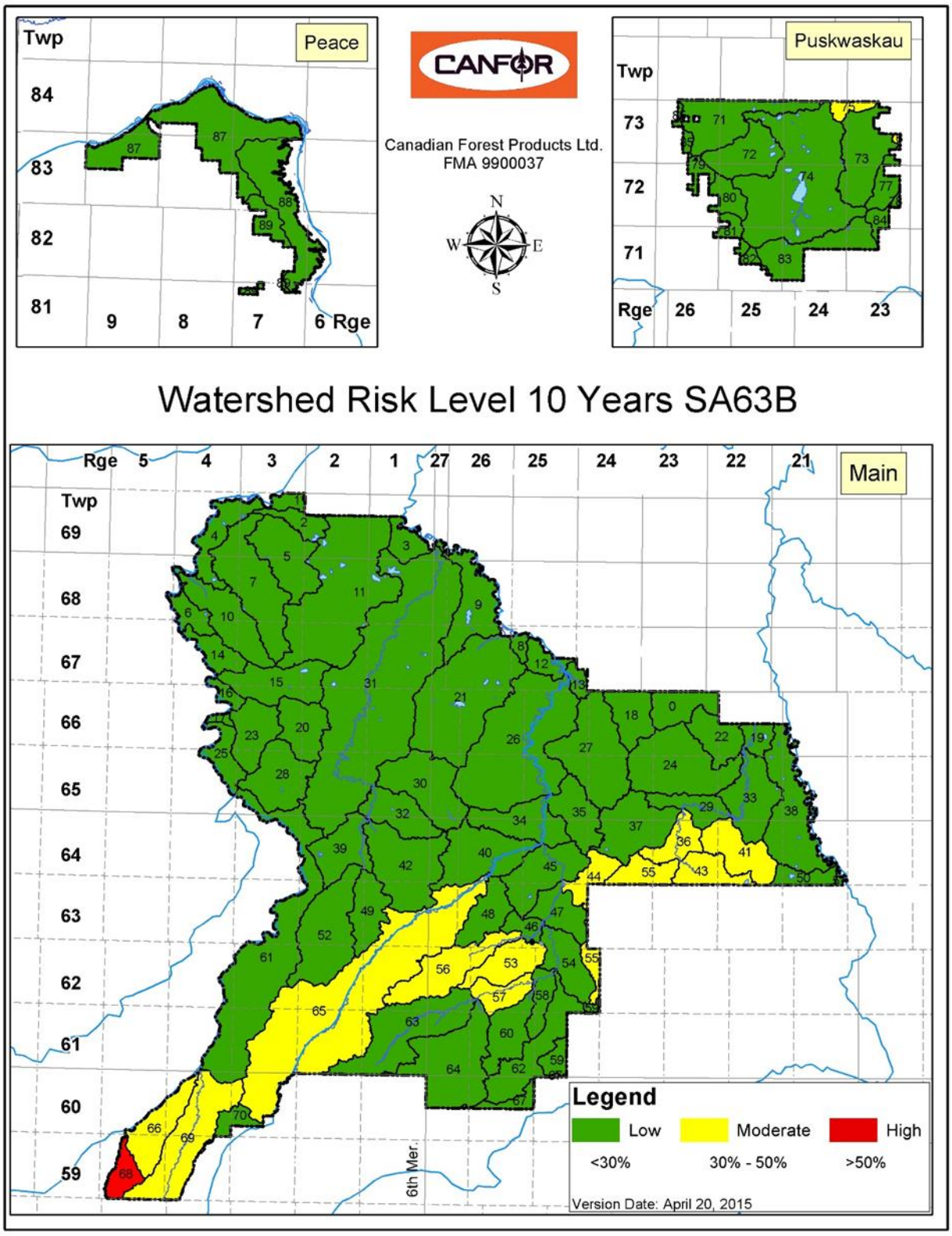

Figure 4: 10 Year Forecasted Watershed Risk Level

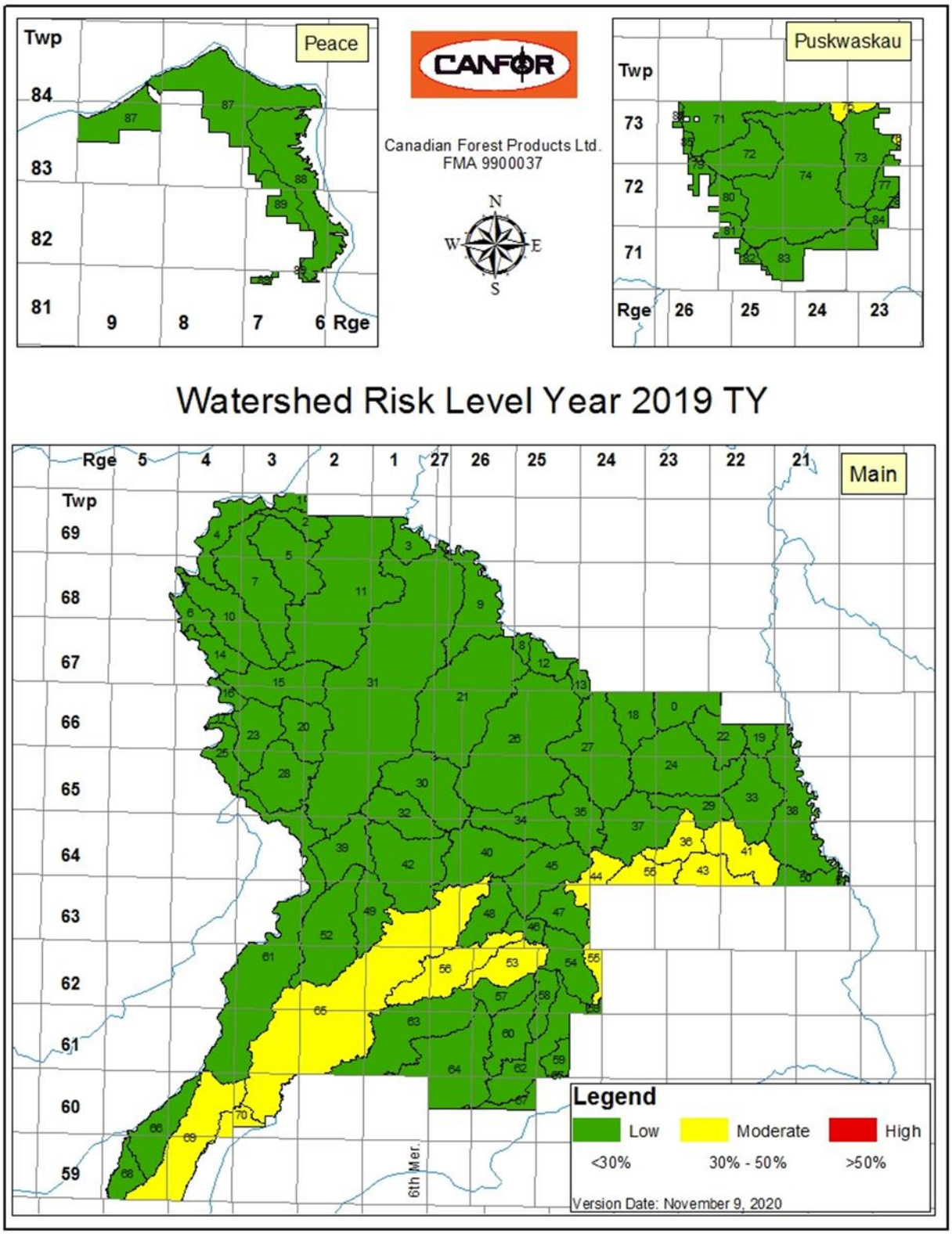

Figure 5: Current (2019) Watershed Risk Level

5.0 Spatial Harvest Sequence Variance

Given that there are three forestry companies with timber allocations on the G15 Forest Management Unit (FMU), the planning process can be complicated by the different interests of each individual company. Although Canfor is the FMA holder and therefore bears responsibility for the forest management planning and timber supply analysis on the FMU, it was identified during the FMP development that there are opportunities to create more operational efficiencies on the landscape and develop better relationships and communications between the three companies. It was also determined that modeling the FMA area as a single landbase was the best approach to balance all of the ecological forest values as well as to maximize flexibility in the coniferous and deciduous timber supply.

Canfor monitors FMP Spatial Harvest Sequence (SHS) variances in operational plans to ensure that the modeled future forest conditions will be met and that the Annual Allowable Cut (AAC) level remains sustainable. During operational planning, the approved FMP SHS is fine-tuned by the Planners to create harvest areas that take into account operational considerations such as terrain, sites of concern, watercourses, access, and other "on the ground" site considerations. In doing so, variances to the SHS can occur. SHS variances are assessed and monitored at various stages of the planning cycle, including Forest Harvest Plans, General Development Plans, and Stewardship Reports to ensure that the main objectives of the FMP are achieved through adherence to the SHS.

Table 4 summarizes SHS variance using operational data from all three forest companies from May 1st, 2014 to April 30th, 2020. For the purposes of this Stewardship Report, the SHS variance is assessed only on harvested areas. The overall variance for the entire FMA area for the current reporting period is 9% additions. There are a few timber supply sub-units that exceed the 20% variance threshold, however have been approved for various reasons. These include: the shift in the direction of operations in the Little Smoky and A La Peche Caribou ranges as described in Section 4.2; utilization of a winch assist harvest system for operating in steep ground that was previously inaccessible; to address MPB susceptible stands, limit isolation of timber, and to adjust to landscape changes as a result of oil and gas. Appendix 1 provides a detailed report of the SHS variance for each FMA timber supply sub-unit. Variance tables for timber supply sub-units, which do not have any SHS scheduled in the first period are not included.

Table 4: FMA SHS Variance Summary

Harvest Profile					As-Built												
					Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
		r0_01	D-HW	2,357	42	-	1	3	8	54	12	81	272	1%	(341)	(2,303)
		r0_02	D-HW	12,983	917	1	3	30	5	956	39	395	1,622	0%	(1,978)	(12,027)
		r0_03	DC-HWSX	661	126	45	161	27	2	361	235	13	274	36%	(52)	(300)
		r0_04	D-HW	660	40	0	0	7	4	51	11	35	19	2%	(43)	(610)
		r0_05	C-SW	927	256	28	97	1	15	398	142	162	158	15%	(178)	(529)
		r0_06_cd	CD-SXHW	14	8	0	54	17	1	80	72	0	3	516%	69	66
		r0_06_dc	DC-HWSX	489	39	-	89	90	3	221	182	0	4	37%	178	(268)
		r0_07	D-HW	6,028	149	-	1	1	6	157	8	143	881	0%	(1,016)	(5,871)
		r0_08	C-PL	9,967	3,219	115	964	29	120	4,447	1,228	500	805	12%	(78)	(5,520)
		r0_09	CD-PLHW	3,273	1,166	40	357	3	20	1,586	420	214	813	13%	(607)	(1,686)
		r0_10	C-PL	3,058	1,170	39	404	8	34	1,654	484	281	359	16%	(156)	(1,403)
		r0_11	C-PL	3,556	1,147	32	258	14	47	1,498	351	305	513	10%	(467)	(2,058)
		r0_11	C-SW	2,514	691	37	185	9	34	956	265	297	615	11%	(647)	(1,558)
		r0_12	C-SB	317	74	-	122	7	3	206	132	12	113	42%	8	(111)
		r0_13	n/a	-	-	-	-	-	-	-	-	-	-	0%	-	-
		r0_14	C-SB	661	360	4	401	34	9	808	448	29	94	68%	325	147
		r0_15	C-SW	2,518	559	35	228	2	37	861	302	383	732	12%	(814)	(1,657)
		r0_16	C-SW	2,169	506	30	147	7	13	702	196	206	938	9%	(948)	(1,467)
		r0_17	CD-SXHW	719	327	97	270	2	4	699	372	36	303	52%	33	(20)
		r0_99	n/a	-	2	-	21	17	265	304	302	0	0	100%	302	304
		r2_har	n/a	-	-	-	-	-	-	-	-	-	-	0%	-	-
Total	-	-	-	52,871	10,799	502	3,763	307	628	16,000	5,201	3,093	8,519	10%	(6,410)	(36,871)

6.0 Landbase Changes

Several factors contribute to the reduction of landbase over time. Some are natural, such as insect and disease outbreaks or fire, and some are man-made such as the clearing of land for oil and gas activities. The cumulative impact of these factors can significantly affect the timber harvesting landbase and forest resource values. Table 6 summarizes the amount of area depleted from the Canfor FMA area due to industrial withdrawals, as there were no significant natural events within that time period.

At the commencement of the Forest Management Agreement, on May 1, 2015, the FMA net area was 620,278.2ha (Source: FMA Net Area Exclusions Report, June 9, 2015). As of April 30, 2020, the FMA net area decreased to 617,897.6ha (Table 5), which is a 0.38% reduction in net area for the five year period. These numbers also account for all dispositions that were cancelled during that time period and have been returned to Crown land within the FMA area. Since the commencement of the Forest Management Agreement, 932.31ha of industrial lands have been returned to the FMA area by the Crown.

Table 5: 2019 FMA Net Area Exclusions Summary

Description	Area (ha)
Gross Area	644,399
DIDs Dispositions	21134.8
Hydrology Buffers	5366.6
Net Area	617,898

Source: FMA Net Area Exclusions Report, May 1, 2020

Table 6: Summary of Current Disposition Footprint on the FMA Area

Description	Code	Area (ha)
Farm Development Sale	FDS	-
Disposition Reservation	DRS	1,174.5
Miscellaneous Townsite Lease	MTS	-
Public Land Sale	PLS	-
Provisional Roadway	RDS	505.4
Mineral Surface Lease (AER)	MSL	3,820.0
Mineral Surface Lease (ESRD)	DMS	-
Licence of Occupation (AER)	LOC	3,729.4
Licence of Occupation (ESRD)	DLO	2,135.5
Pipeline Agreement (AER)	PLA	5,947.2
Pipeline Agreement (ESRD)	DPL	1,274.7
Pipeline Installation Lease	PIL	62.5
Easement	EZE	619.7
Vegetation Control Easement (AER)	VCE	136.6
Vegetation Control Easement (ESRD)	RVC	-
Rural Electric Association Easement	REA	-
Miscellaneous Lease (AER)	MLL	234.5
Miscellaneous Lease (ESRD)	DML	236.3
Miscellaneous Permit	MLP	3.4
Surface Material Lease	SML	718.3
Surface Material Licence	SMC	20.3
Farm Development Lease	FDL	-
Registered Roadway	RRD	64.3
Right-of-Entry Agreement	ROE	313.6
Right-of-Entry Lease	ROW	-
Forestry Road	FRD	138.8
Recreation Lease	REC	-
Dispositions Total		**21,135.0**

7.0 Annual Allowable Cut

One of the required components of a Stewardship Report is to monitor approved FMP Annual Allowable Cut by reporting on harvested volumes. Condition 9.1 of the *Forest Management Plan Approval Decision* for *the 2015 Canfor FMP* (GoA, 2016) required Canfor to develop a Delivered Timber Volume Monitoring and Reporting Program that compares delivered harvest volumes to harvested area yield forecasts. This is used to assess assumptions made in the FMP based on timber supply to ensure that they are being met.

Canfor has been submitting a projected and harvested volume comparison assessment to GoA on an annual basis. Table 7 and 8 summarizes these assessments by timber year for both coniferous and deciduous harvest areas. Table 7[2] shows that on average the delivered coniferous volume exceeded the projected volume. This indicates that the projected timber supply is not underestimating coniferous volume on the DFA and through maintaining the approved harvest levels a sustainable coniferous timber supply is being upheld. Table 8 shows that the same is true for the deciduous projected and harvested volumes on the DFA.

Table 7: Coniferous Harvest Blocks Projected Volume Comparison

Year	Coniferous		Deciduous	
	Projected (Calculated) Volume (m^3/ha)	Delivered Volume (m^3/ha)	Projected (Calculated) Volume (m^3/ha)	Delivered Volume (m^3/ha)
2014	194	223	31	72
2015	202	243	40	40
2016	217	263	37	38
2017	178	219	44	113
2018	217	261	34	61
2019	217	246	28	16

Table 8: Deciduous Harvest Blocks Projected Volume Comparison

Year	Coniferous		Deciduous	
	Projected (Calculated) Volume (m^3/ha)	Delivered Volume (m^3/ha)	Projected (Calculated) Volume (m^3/ha)	Delivered Volume (m^3/ha)
2014	0	0	0	0
2015	0	0	0	0
2016	0	0	0	0
2017	10	7	223	318
2018	9	4	175	262
2019	10	12	206	233

[2] Table 7: deciduous delivered volumes are only calculated on blocks where deciduous was delivered.

8.0 Growth & Yield Program Maintenance

In section 6.0 of the FMP Approval Decision, the Government of Alberta (GoA) required the development of a Growth and Yield Program (GYP) to gather key information for use in future timber supply analyses and to monitor current FMP timber yield assumptions. Canfor submitted the *2015 Forest Management Plan Growth and Yield Plan* (April 29, 2017)(Canfor, 2017) and received a letter of approval from GoA on June 30, 2017. Within the GYP, Canfor made several key commitments that are summarized below:

- Contribute 63 plots, 25 natural stand Permanent Sample Plots (PSPs) and 38 managed stand PSPs to the Provincial Growth and Yield Initiative (PGYI) for the development and recalibration of a new provincial growth model.
    - **Status:** Canfor has submitted data for all 63 plots to the PGYI database and continues to measure the plots on their regular re-measurement cycle. As the PGYI plots are re-measured, the data is submitted to the PGYI database.

- Standardize digital data collection and develop a database to be compatible with the PGYI standard using Forcorp's Plots module of the eLands® system.
    - **Status:** In 2017, Canfor compiled all of its post-harvest regenerated (PHR) plot data as well as the last measurement of its permanent sample plot (PSP) data to be compatible with the PGYI standard using Forcorp's Plots Module of the eLands® system. All plot field data is collected using tablets that can sync the data directly into the Forcorp system.

- Maintain 554 existing PSPs in natural stands. These plots are 400-1000 m2 in size, located in mature stands of the timber harvesting landbase of the 2015 FMP and measured on a 10-year cycle.
    - **Status:** Canfor continues to maintain and re-measure existing PSPs in natural stands to be used in future FMP yield curve development. From 2014-2019, Canfor re-measured 455 existing PSPs in natural stands.

- Collect additional Temporary Sample Plot (TSP) data in natural stands for FMP yield curve development, if required by strata sample size considerations.
    - **Status:** To be determined if needed prior to the 2025 FMP development.

- Maintain 164 existing PSPs in pre-1991 openings, measured on a 5 or 10-year cycle depending on stand age.
    - **Status**: From 2014-2019, Canfor re-measured 119 existing PSPs in pre-1991 openings.

- Maintain 182 existing PSPs in post-1991 openings under basic silviculture regime. These historic plots are on a 1.67 km sampling grid. All existing plots will be re-measured to 35 years of stand age on a 5-year cycle. All plots on the 6.67-km grid points will continue as PSPs on a 10-year cycle afterwards.
    - **Status:** From 2014-2019, Canfor re-measured 222 existing PSPs in post-1991 openings under the basic silviculture regime.

- Establish new PSPs in post-1991 openings under basic silviculture regime on a 3.33 km grid. All newly established plots will be PGYI-compatible and re-measured to 35 years of stand age (mid-rotation) on a 5-year cycle. All plots on the 6.67-km grid points will continue as PSPs on a 10-year cycle afterwards.
    - **Status:** From 2014-2019, Canfor established 10 new PSPs in post-1991 openings under the basic silviculture regime.

- Assess conifer ingress in openings harvested after May 1, 2015 in C-Pl and C-Sw regenerating strata by carrying out intensive establishment surveys on a random sample. Ground surveys will be conducted as per Reforestation Standard of Alberta (RSA) establishment survey protocols with additional identification of ingress.
    - **Status:** Canfor has developed a sampling program for identification of ingress in openings harvested after May 1, 2015 in C-PL and C-SW regenerating strata. Field work to conduct the ingress assessments will commence in 2021.

- Maintain 75 existing 'genetic' PSPs in post-1991 openings under Enhanced Forest Management (EFM) silviculture regime.
    - **Status:** From 2014-2019, Canfor re-measured 57 existing 'genetic' PSPs in post-1991 openings under the EFM silviculture regime.

- Establish new 'genetic' PSPs in post-1991 openings under EFM silviculture regime on a 3.33 km grid. All newly established plots will be PGYI-compatible and re-measured to 35 years of stand age on a 5-year cycle. All plots on the 6.67-km grid points will continue as PSPs on a 10-year cycle afterwards.
    - **Status:** From 2014-2019, Canfor established 37 new 'genetic' PSPs in post-1991 openings under the EFM silviculture regime.

- Create an integrated RSA database for all performance surveyed openings since 2009. New survey data for all stakeholders on the FMA area will be added yearly. Nearly 19,000 ha of RSA survey population data have already been gathered and reconciled with the Alberta Regeneration Information System (ARIS) records. Another 30,000 ha of RSA performance surveys are expected by 2025. The EFM population of openings has been sampled separately as per the RSA standard since 2013 (currently 557 ha).
    - **Status:** Canfor worked with Gyula Gulyas to create an integrated RSA database for all performance surveyed openings on the FMA area. All new survey data is added annually.

- Participate in the FRIAA-funded Realized Gain Trials (RGT) for the B1 lodgepole pine and G1 white spruce controlled parentage programs (CPPs). Canfor is the main proponent of the RGT pilot study that started in 2015.
    - **Status:** Canfor participated in the FRIAA-funded Realized Gain Trials project (FFI-15-011, Establishment of Realized Gain Trials- Conifer), along with 5 other Alberta forestry companies and in collaboration with the University of Alberta and GoA. The objectives of the project were to develop procedures for establishment of Realized Gain Trials in the province and associated

PSPs for monitoring and measurement. As part of this project Canfor established 10 paired plot RGT sites and established 12 PSPs. Canfor also participated on the Forest Growth Organization (FGrOW) and Tree Improvement of Alberta (TIA) Operational Tree Improvement Monitoring (OTIM) Subcommittee to discuss recommendations and best practices for future RGTs as well as a Provincial Program Needs Assessment. Canfor is continuing to work with the OTIM group in establishing a regional scale approach to RGT establishment. In addition to the 10 paired plots initially installed, Canfor has since installed another 5 paired plot RGT sites in which 10 PSPs have been established.

Table 9: RGT PSPs Established on the FMA Area

Year	RGT Plots Established	
	Stream 1	Stream 2
2018	6	6
2020	5	5

- Participate in the FRIAA-funded Mountain Pine Beetle (MPB) Rehabilitation Program. Canfor is a contributing member for the establishment and re-measurement of a PSP network in pine-dominating stands to assess MPB-caused mortality, growth and regeneration post-attack.
    - **Status:** Canfor continues to participate in this program through the work of FGrOW.

- Canfor is also an active member of the Forest Growth Organization of Western Canada (FGrOW).
    - **Status:** Canfor continues to be an active member of FGrOW with staff participating on the FGrOW Executive and as members of the Policy and Practice Team, Foothills Pine Project Team, Wesbogy, and Tree Improvement of Alberta.

Table 10 details the number of PSPs planned to be established and re-measured annually as well as the amount actually completed. The number of plots completed compared to planned can vary from year to year based on contractor capacity, access issues, and harvesting operations. Overall, Canfor continues to maintain a regular PSP establishment and re-measurement schedule that contributes to an extensive PSP database that will be used in future FMP development and growth and yield analysis.

Table 10: PSP Establishment and Re-Measurement on the FMA Area

Year	PSP Establishment		PSP Re-Measurement	
	Natural Stands	Managed Stands	Natural Stands	Managed Stands
Planned				
2014	0	0	103	54
2015	0	16	145	120
2016	0	7	115	88
2017	0	9	72	159
2018	0	9	86	27
2019	0	6	22	57
Actual				
2014	0	0	100	13
2015	0	16	134	105
2016	0	7	93	75
2017	0	5	64	140
2018	0	16	45	23
2019	0	7	19	42

9.0 Seed Availability & Usage

In order to ensure that reforestation obligations are met, it is important to understand the availability of seed inventory in relation to future harvest plans. Areas sequenced to be harvested in the coming years are identified and reforestation strategies are developed based on the appropriate seed zone or Controlled Parentage Program breeding region.

To date, Canfor has been able to maintain a sufficient amount of seed supply to meet reforestation needs through cone collection, seed orchards, and purchasing seed from other sources when needed. Canfor's seed availability has been reassessed based on the Preferred Forest Management Scenario Spatial Harvest Sequence for the *2015 FMP Canfor Reforestation Strategy*. Details on Canfor's current seed inventory, as well as Norbord's inventory for stock planned to be planted on the Canfor FMA area are detailed in Table 11. At this time, Tolko relies solely on natural regeneration to meet reforestation obligations on the Canfor FMA area.

Table 11: Seed Inventory and Usage Report

Year	Company/ Seed Owner	Inventory Date	Species	Seed Zone Stream 1	CPP Region Stream 2	Inventory (kg)	Projected Seed Usage (kg)	Projected Seed Supply (yrs)
2020	Canfor	Dec-19	PL	CM3.4		24.262	4	5
2020	Canfor	Dec-19	PL	DM1.2		3.501	0.5	5
2020	Canfor	Dec-19	PL	LF1.4		444.863	30	5
2020	Canfor	Dec-19	PL	UF1.3		120.145	70	5
2020	Canfor	Dec-19	PL		B1	25.495	102	5
2020	Canfor	Dec-19	PL/PJ	UF1.3		21.67	0	5
2020	Canfor	Dec-19	SB	CM3.4		2.962	0.2	5
2020	Canfor	Dec-19	SB	DM1.2		0.355	0	5
2020	Canfor	Dec-19	SB	SA1.1		0.041	0	5
2020	Canfor	Dec-19	SB	UF1.3		4.0716	0.5	5
2020	Canfor	Dec-19	SB		L2	14.836	10	5
2020	Canfor	Dec-19	SW	CM3.4		144.672	5	5
2020	Canfor	Dec-19	SW	DM1.2		60.3945	0	5
2020	Canfor	Dec-19	SW	LF1.4		80.0992	14	5
2020	Canfor	Dec-19	SW	SA1.1		0.2	1.5	5
2020	Canfor	Dec-19	SW	UF1.3		40.1504	10	5
2020	Canfor	Dec-19	SW		G1	139.623	52	5
2020	Norbord	May-20	SW		G1	6.624	1.325	7

10.0 FGRMS Reporting

Canfor's planting program consists of two different deployment strategies: the first strategy is the planting of seedlings grown from "wild" or "stream 1" seed according to the Forestry Seed Zones of Alberta (ASRD, 2009); the second strategy is deployment of "stream 2" or "genetically improved" stock according to the Controlled Parentage Program (CPP) regions, also known as breeding regions.

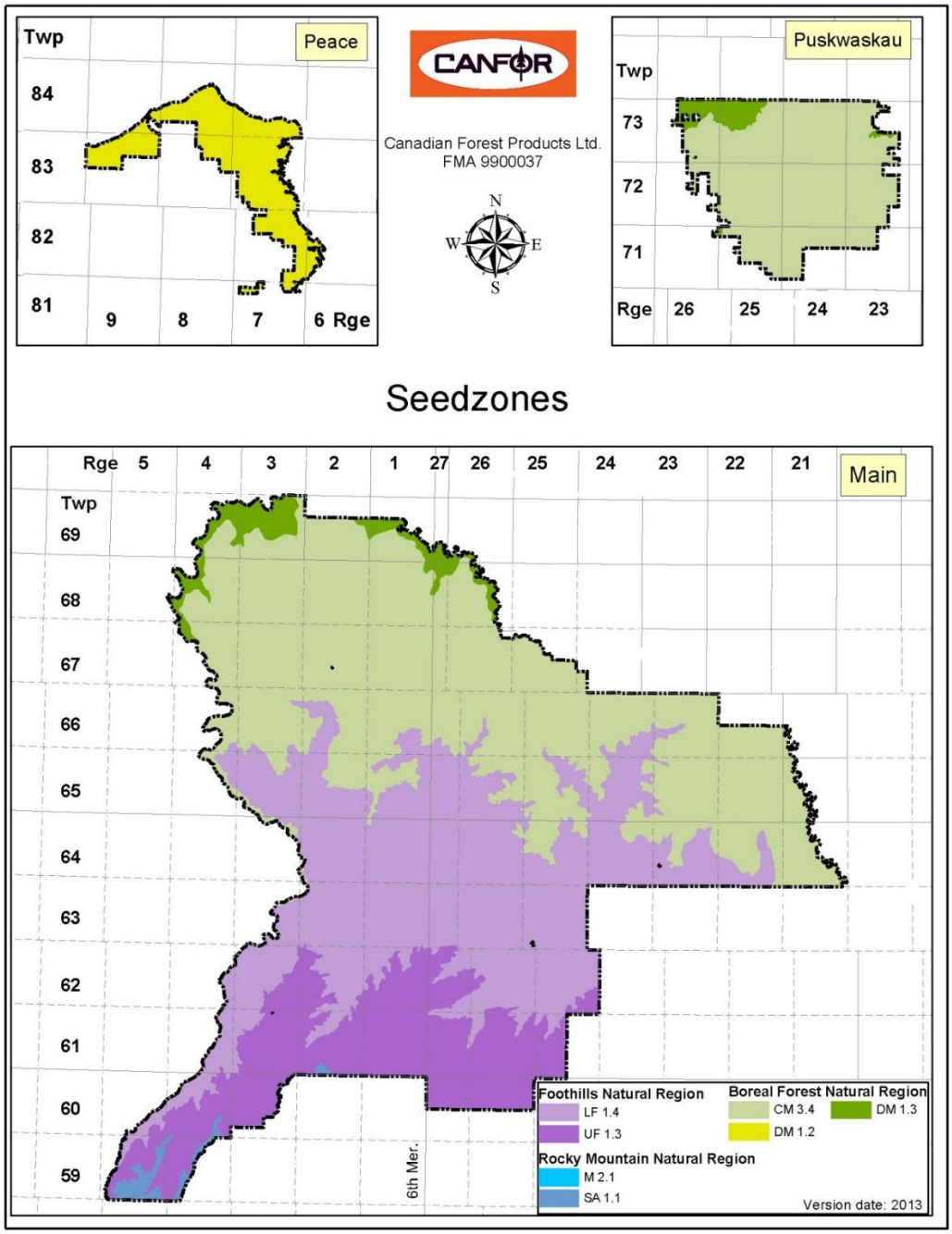

Figure 6: Seed Zones across the Canfor FMA Area

Wild seed is sourced from various seed zones across the FMA area, which include DM 1.2, DM 1.3, CM 3.4, LF 1.4, UF 1.2, and SA 1.1 (Figure 6). Deployment of Stream 1 seed from the 2014 to 2019 timber year by Canfor and Norbord is detailed in Table 12.

Table 12: FGRMS Stream 1 (Wild) Seed Deployment Reporting

Company	Species	Stream 1 Seed Zone	Year	Area Planted Regular Est. (ha)	Seedlings Planted (count)	Area Planted: Re-Treat or Under Plant (ha)	Seedlings Planted (Count)
Canfor	PL	CM3.4	2014	22.6	30600		
Canfor	PL	DM1.2	2014	424	661680		
Canfor	PL	UF1.3	2014	277.5	384000		
Canfor	SW	UF1.3	2014	10.6	13680		
Canfor	**PL**	**CM3.4**	**2015**	**28.6**	**39600**		
Canfor	**PL**	**DM1.2**	**2015**	**197.2**	**182615**		
Canfor	**PL**	**SA1.1**	**2015**	**30.9**	**41040**		
Canfor	**PL**	**UF1.3**	**2015**	**193.7**	**254790**	**36.5**	**41850**
Canfor	PL	CM3.4	2016	5.4	7830		
Canfor	PL	DM1.2	2016	265.4	324980	1.9	2700
Canfor	PL	LF1.4	2016	422.2	480910		
Canfor	SW	LF1.4	2016	40.1	56760		
Canfor	PL	M2.1	2016	0.4	420		
Canfor	PL	SA1.1	2016	67.8	84960		
Canfor	SW	SA1.1	2016	0.2	280		
Canfor	PL	UF1.3	2016	600.6	929161	0.2	240
Canfor	SW	UF1.3	2016	46.4	72900		
Canfor	**PL**	**DM1.2**	**2017**	**33.4**	**40830**		
Canfor	**PL**	**LF1.4**	**2017**	**84.1**	**138440**		
Canfor	**SB**	**LF1.4**	**2017**	**3.7**	**5310**		
Canfor	**SW**	**LF1.4**	**2017**	**6.4**	**10260**		
Canfor	**PL**	**SA1.1**	**2017**	**22.9**	**31290**		
Canfor	**PL**	**UF1.3**	**2017**	**51.6**	**96585**		
Canfor	**SW**	**UF1.3**	**2017**	**14.4**	**22140**		
Canfor	PL	CM3.4	2018	224	316981		
Canfor	PL	DM1.2	2018	10.8	15390		
Canfor	PL	LBH1.6	2018	0	0	36.2	20280
Canfor	PL	LF1.4	2018	18.7	29430	1.5	1890
Canfor	SW	LF1.4	2018	15.3	25920		
Canfor	PL	UF1.3	2018	101.1	181981	2.3	6209
Canfor	**PL**	**CM3.4**	**2019**	**402.2**	**616140**		
Canfor	**PL**	**SA1.1**	**2019**	**13.3**	**15960**		
Canfor	**PL**	**UF1.3**	**2019**	**191.8**	**249182**		
Canfor	**SW**	**UF1.3**	**2019**	**52.6**	**69660**		
Norbord	PB	CM	2018	1.7	2640		
Norbord	PB	DM	2018	6.7	18310		
Norbord	**PB**	**CM**	**2014**	**8.4**	**20240**		
Norbord	**PB**	**LF**	**2014**	**1.6**	**3200**		

Canfor is a member of the Huallen Seed Orchard Company (HASOC), an approved seed orchard cooperative. HASOC produces genetically improved seed from breeding regions B1 (lodgepole pine)(Figure 7). B2 (higher

elevation lodgepole pine), and G1 (white spruce)(Figure 8); they also produce registerable seed with no genetic gain from breeding region L2 (black spruce)(Figure 9). Canfor has deployed genetically improved stock from all three breeding regions over the past five timber years (Table 13). Norbord has also planted some improved stock on the Canfor FMA area from the G1 breeding region.

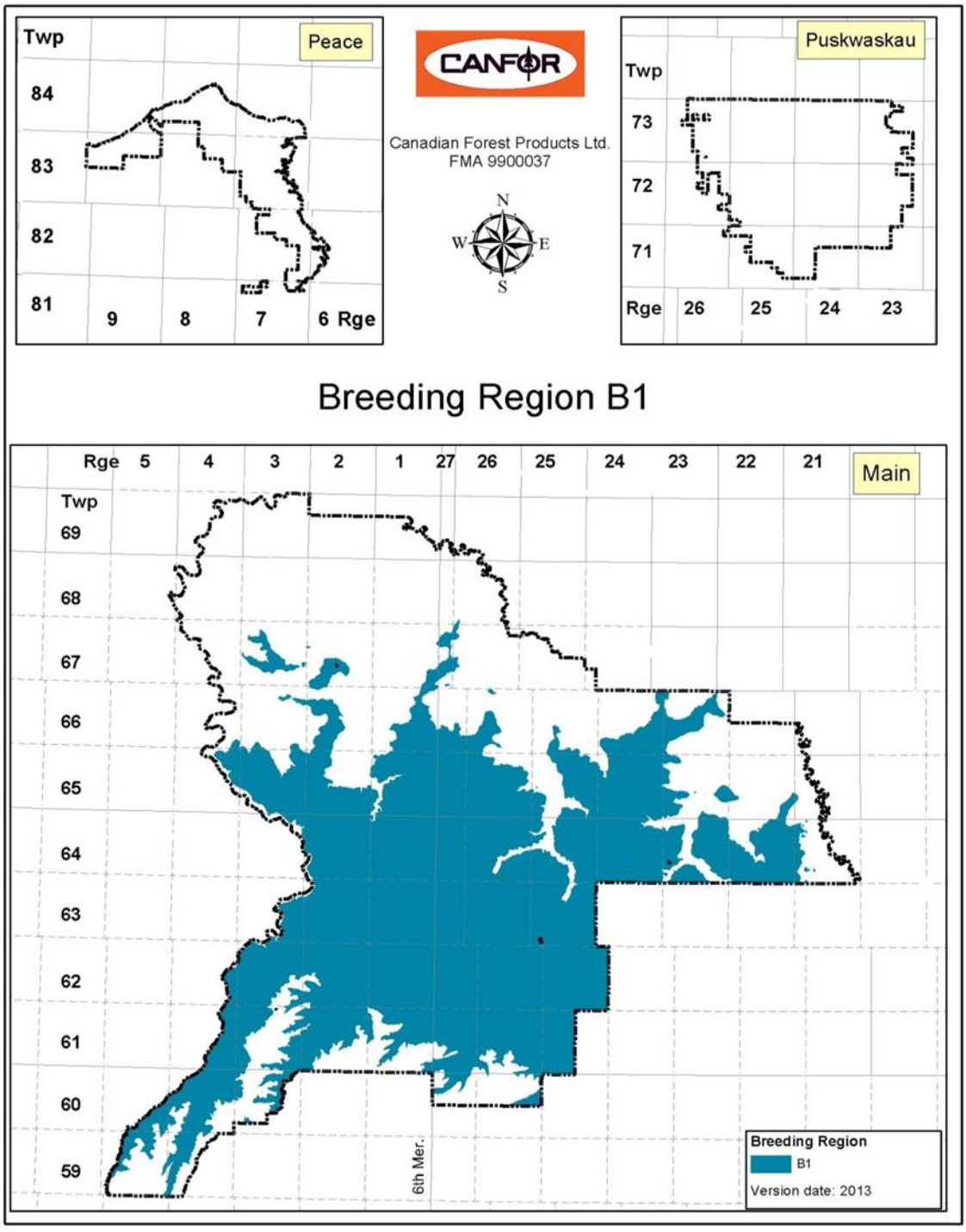

Figure 7: Canfor FMA Breeding Region B1

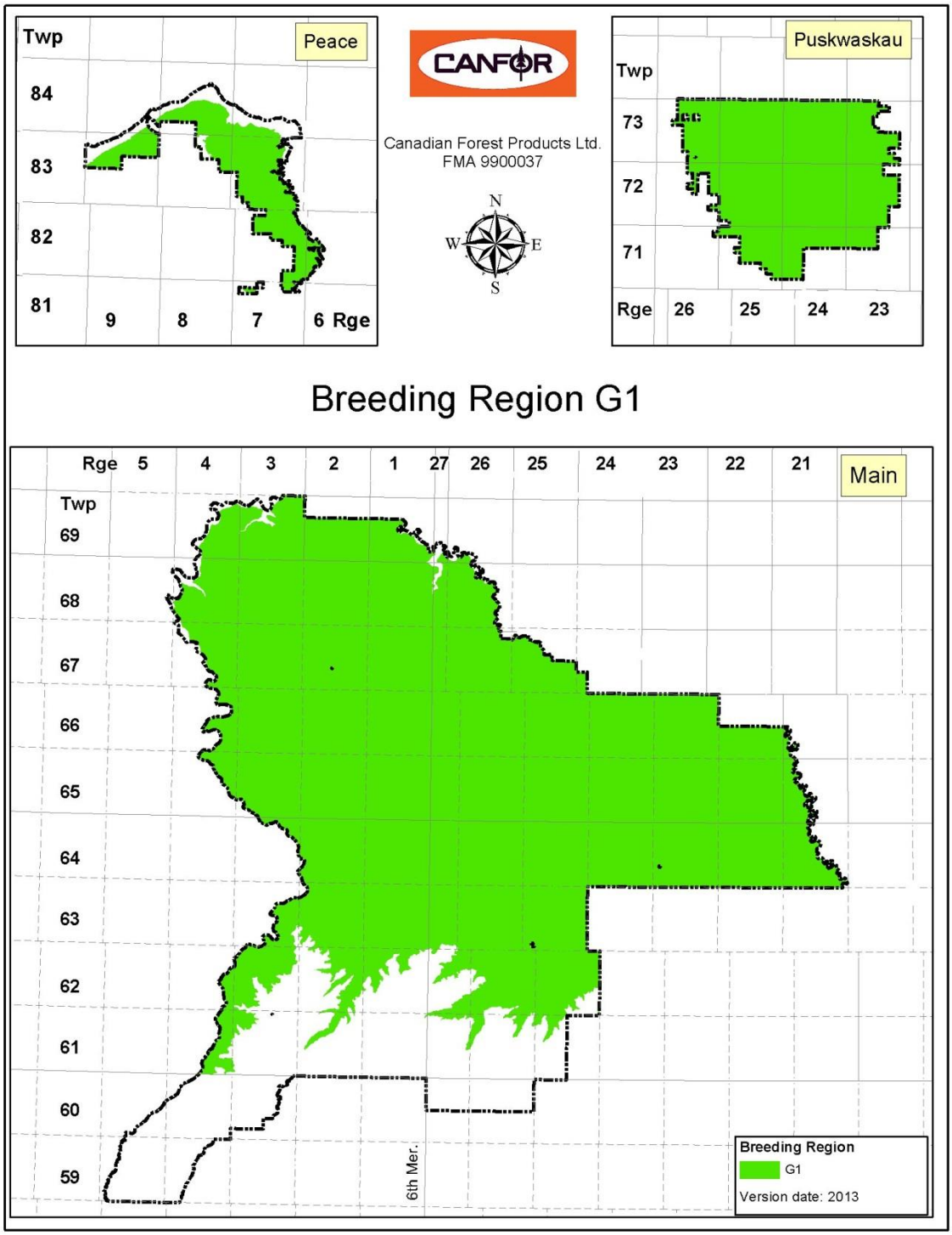

Figure 8: Canfor FMA Breeding Region G1

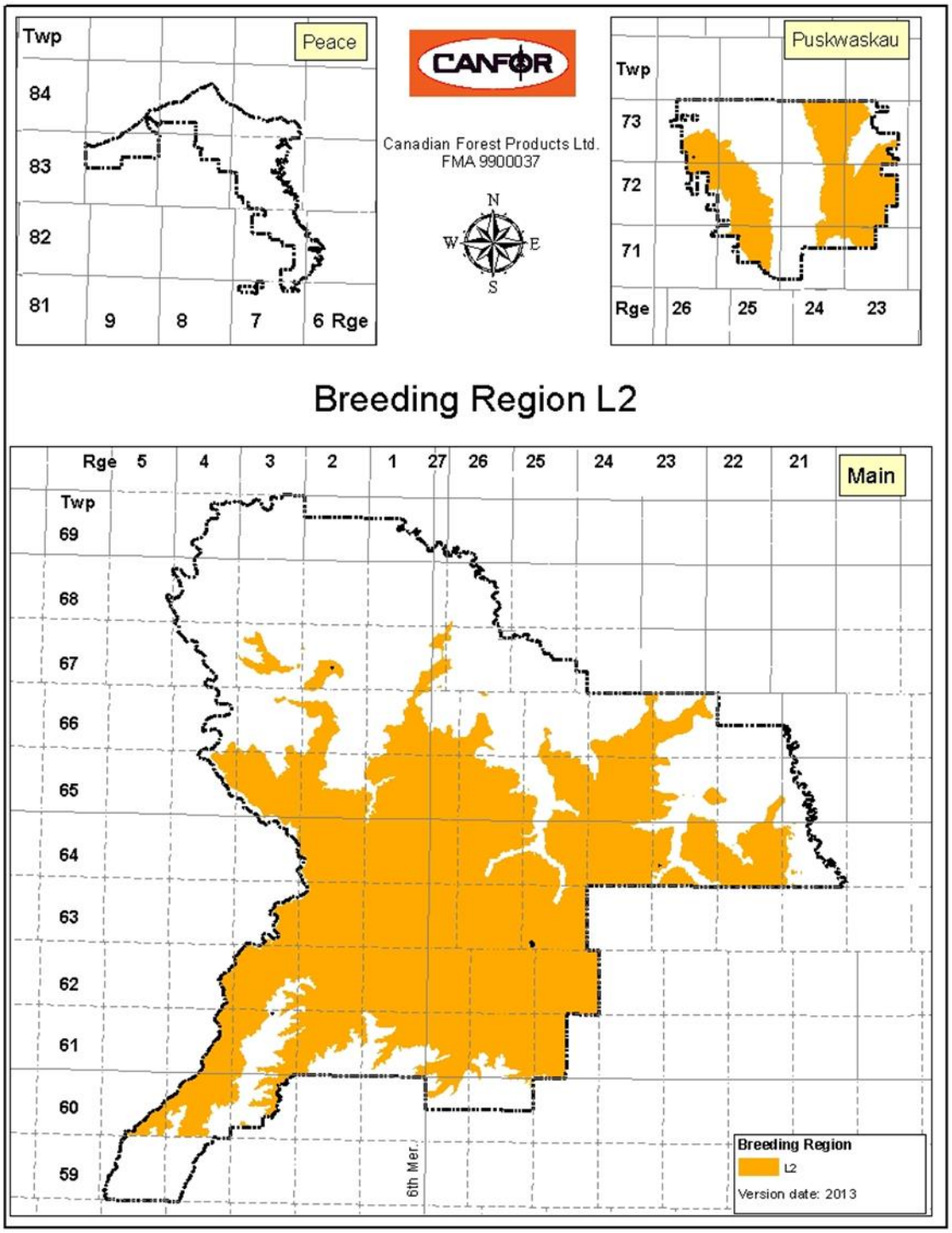

Figure 9: Canfor FMA Breeding Region L2

Table 13: FGRMS Stream 2 (Seed Orchard) Seed Deployment Reporting

Company	Species	Stream 2 CPP Region	Year	Area Planted Regular Est. (ha)	Seedlings Planted Regular Est. (count)	Area Planted: Re-Treat or Under Plant (ha)	Seedlings Planted: Re-Treat or Under Plant (Count)	Cummulative Stream 2 Seedlings or Clones Planted (count)
Canfor	PL	B1	2014	1056.7	1,325,015	0	-	1,327,029
Canfor	SW	G1	2014	640.3	872,759	35.4	44,665	874,773
Canfor	SB	L2	2014	184.1	262,800	0	-	264,814
Canfor	**PL**	**B1**	**2015**	**1278.6**	**1,826,310**	**239.1**	**187,697**	**1,828,325**
Canfor	**SW**	**G1**	**2015**	**465.9**	**625,770**	**63.1**	**61,175**	**627,785**
Canfor	**SB**	**L2**	**2015**	**194.1**	**271,050**	**0**	**-**	**273,065**
Canfor	PL	B1	2016	1156.8	1,469,216	93.3	89,099	1,471,232
Canfor	PL	B2	2016	**96.6**	**149,310**	0	-	151,326
Canfor	SW	G1	2016	313.2	427,560	54.9	55,020	429,576
Canfor	SB	L2	2016	83.1	122,690	0	-	124,706
Canfor	**PL**	**B1**	**2017**	**1340.2**	**1,933,018**	**106**	**116,683**	**1,935,035**
Canfor	**SW**	**G1**	**2017**	**251.94**	**353,963**	**46.1**	**47,002**	**355,980**
Canfor	**SB**	**L2**	**2017**	**50.1**	**67,695**	**7.7**	**4,320**	**69,712**
Canfor	PL	B1	2018	1274.6	2,140,793	73.4	76,532	2,142,811
Canfor	SW	G1	2018	497.5	711,221	93.9	90,474	713,239
Canfor	SB	L2	2018	0	-	0	-	2,018
Canfor	**PL**	**B1**	**2019**	**1192.8**	**1,826,747**	**42.7**	**36,995**	**1,828,766**
Canfor	**SW**	**G1**	**2019**	**871.8**	**1,392,754**	**56.7**	**48,375**	**1,394,773**
Canfor	**SB**	**L2**	**2019**	**0**	**-**	**0**	**-**	**2,019**
Norbord	SW	G1	2019	7.7	16880	-	-	-

The *Alberta Forest Genetic Resource Management and Conservation Standards* (FGRMS)(ASRD, 2009) does impose limits on the deployment of stream 2 stock. Cumulative Ne is a calculation of the effective population size (Ne) of deployment populations aggregated across years. For any given CPP region, where the cumulative Ne is 30 or more, the orchard may produce material for deployment on up to 50% of the total area estimated for the target strata over a rotation. Cumulative Ne for Canfor and Norbord can be found in Table 14.

Table 14: Cumulative Ne

Company	CPP Region	5-year cumulative Ne (2015-19)	6-year cumulative Ne (2014-19)
Canfor	B1 Pl	119.84	118.19
Canfor	B2 Pl	51.37	51.37
Canfor	G1 Sw	55.61	55.30
Canfor	L2 Sb	39.68	34.59
Norbord	G1 Sw	-	51.36

11.0 Values, Objectives, Indicators, and Targets (VOITs)

The development of Canfor Grande Prairie's VOITs, initially created for the *2012 Sustainable Forest Management Plan* (Canfor, 2015b) and used in the *2015 Canfor Forest Management Plan* (Canfor, 2015a), were based on four guiding documents:

1. The CAN/CSA Z809-08 Standard (CSA, 2008);
2. Canfor Corporate Indicators prepared under the CSA Z809-08 Standard (Canfor, 2011);
3. The Alberta Forest Management Planning Standard, Annex 4 VOITs (ASRD, 2006); and
4. The Canfor Grande Prairie 2005 VOITs prepared under the CAN/CSA Z809-08 Standard (Canfor, 2005).

The indicators and targets provide the performance measures that are to be met through on-the-ground forest management activities. This section provides a detailed description of each of the indicators and targets. The DFA indicator statements were developed for each core indicator and some core indicators incorporate more than one statement. These serve to put the target into context against the core indicator and make the target easily measurable. Full conformance is required for many targets therefore no variance is appropriate. Where less than full conformance will pose an acceptable risk, an acceptable level of variance is indicated for the target.

Since Canfor's SFMP (Canfor, 2015b) and GoA's Annex 4 VOITs (ASRD, 2006) are based on different CSA standards, not all VOITs could be directly linked. Three additional VOITs have been created specific to Annex-4 requirements, those being AESRD VOIT 1.1.1.3(b), 2.1.2.2, and 5.2.1.1(a/b). Canfor also has ten additional VOITs in its 2012 SFMP that are not related to Annex 4, which can be found in Section 11.7. A copy of the detailed VOIT table included in the Canfor 2015 FMP can be found in Appendix 4.

Three classifications are used for reporting performance toward achievement of each target:

1. **Meets** – the values of the specified indicator are within the acceptable variance of the target;
2. **Does not meet** – the values of the specified indicator are not within acceptable variance of the target; and
3. **Pending** – used primarily for modeled VOITs, which entail working toward a 10 year forecasted target. VOITs that receive this classification in this report will be classified either as meets or does not meet in Canfor's second iteration of the Stewardship Report, which will allow ample time to assess if each VOIT is within acceptable variance of the 10 year forecasted target as 10 years will have passed from FMP submission at that time.

Table 15: Summary of VOITs Status

Status	Count
Meets	49
Does Not Meet	4
Pending	8
Total	61

Performance to the FMP indicators and targets are described in Section 11. A summary table showing all VOITs and whether or not they have met their targets can be found in Appendix 3.

11.1 CCFM Criterion 1: Biological Diversity

The First CCFM criterion is Biological Diversity. This criterion emphasizes the importance of maintaining a biodiverse ecosystem so it is able to respond and adapt to changes in the environment. The biological diversity criterion has four elements that fall under it: ecosystem diversity, species diversity, genetic diversity, and parks and protected areas.

Element 1.1: Ecosystem Diversity

The goal of this element is to conserve ecosystem diversity at the stand and landscape levels by maintaining the variety of communities and ecosystems that naturally occur in the Defined Forest Area

Value	1.1.1 Landscape Scale Biodiversity
Objective	Maintain biodiversity by retaining the full range of cover types and seral stages.
Type of VOIT	Modeled
Indicator (GoA)	1.1.1.1 Area of old, mature and young forest in each DFA subunit by cover class.
Indicator (Canfor)	1.1.3(c) Percent of area of pioneer, young and old forest by Natural Region across the DFA.
Target (Canfor)	100% of pioneer, young and old forest by Natural Region will meet the Preferred Forest Management Scenario forecast.
Acceptable Variance	+/-20% of the Preferred Forest Management Scenario 10 year forecast.
Status	**Pending**

As shown in Table 16, the percent area of young, mature, and old seral stages in both the Boreal and Foothills natural regions, as well as the percentage of old mature area in the Foothills region have been trending toward the ten year forecasted target since this VOIT began to be monitored on May 1, 2014. The percent area of pioneer and over mature forest in the Boreal natural region shows a slight trend opposite of the target; however, at this time, the majority of operations have been located in the Foothills Region, in order to address MPB susceptible pine and caribou strategies. It is expected that as more of the Spatial Harvest Sequence is addressed in the Boreal region in the next few years, that the percent area in each of these seral stages should move towards the ten year forecast.

This VOIT will continued to be monitored for the next five years and re-evaluated during the next Stewardship Report to see if the ten year forecasted target has been met.

Table 16: Percent Area of Seral Stages across the DFA by Natural Region

Natural Region	Timber Year	Percent by Area				
		Pioneer	Young	Mature	O. Mature	Old
Boreal	2014	5%	8%	55%	28%	4%
	2019	4%	9%	46%	32%	9%
	10 Year	8%	12%	44%	28%	7%
Foothills	2014	9%	18%	32%	29%	11%
	2019	9%	21%	30%	27%	13%
	10 Year	13%	22%	27%	23%	14%

Value	1.1.1 Landscape Scale Biodiversity
Objective	Maintain biodiversity by avoiding landscape fragmentation.
Type of VOIT	Modeled
Indicator (GoA)	1.1.1.2(a) Range of patch sizes by subunit and entire DFA.
Indicator (Canfor)	1.1.3(b) Range of patch sizes by subunit and entire DFA.
Target (Canfor)	Patch size distribution will achieve natural patch size distribution levels over the 200 year planning horizon.
Acceptable Variance	+/-10% of the Preferred Forest Management Scenario 10 year forecast.
Status	**Pending**

Patch size distribution across the DFA is showing a general trend toward the 10 year levels forecasted in the FMP PFMS. The numbers in Table 17 will continue to be monitored on an annual basis to ensure that Canfor is trending closer toward the 10 year forecasted targets over the next five years.

Table 17: Percentage of Patch Sizes across the DFA

Area	Timber Year	Percent		
		0_100	100_500	500+
DFA	2014	59	36	5
	2019	53	38	9
	10 Year	30	36	34
Main	2014	59	36	5
	2019	52	39	9
	10 Year	30	38	32
Peace	2014	46	29	25
	2019	46	29	25
	10 Year	31	15	54
Puskwaskau	2014	68	32	-
	2019	78	22	-
	10 Year	27	20	53

Value	1.1.1 Landscape Scale Biodiversity
Objective	Maintain biodiversity by avoiding landscape fragmentation
Type of VOIT	Modeled
Indicator (GoA)	1.1.1.2(b) Area of old interior forest of each cover class by subunit and entire DFA
Indicator (Canfor)	1.1.3(a) Area of old interior forest by natural region by cover class across the DFA
Target (Canfor)	100% of area of old interior forest will be within the 10 year forecast by Natural Region.
Acceptable Variance	Area of old interior forest will not be less than 90% of the 10 year forecast by Natural Region of each cover class.
Status	**Pending**

Table 18 shows the area across the DFA, by subregion, of old interior forest in each cover class. Although the table shows a decrease in the area of conifer leading old interior forest, as the forest grows and the PFMS is followed, more patches of old interior forest will develop in areas that aren't planned to be harvested in the first ten years of the PFMS. The overall increase in the area of deciduous leading old interior forest across the DFA is due to proportions of the deciduous allocation not being fully utilized at this time. As the forest companies continue to work through the SHS, these numbers will be monitored annually to ensure there is a trend toward the 10 year target. Figure 10 provides a visual of the old interior forest and old forest across the Canfor FMA area at the start of the FMP. Figure 11 shows the area of old interior forest as of April 30, 2020, and Figure 12 shows the 10 year forecast target.

Table 18: Area of Old Interior Forest by Cover Class across the DFA

Subregion	Cover Class	Old Interior Forest Area (ha)		
		2014	2019	10 Year
Boreal	C	490	341	458
	CD	146	106	189
	D	120	1,055	4
	DC	77	48	96
	Du	-	-	-
Boreal Total		**834**	**1,551**	**747**
Foothills	C	5,773	4,453	7,129
	CD	303	204	67
	D	2	1	4
	DC	101	44	56
	Du	-	-	-
Foothills Total		**6,178**	**4,702**	**7,255**
Total		**7,012**	**6,253**	**8,003**

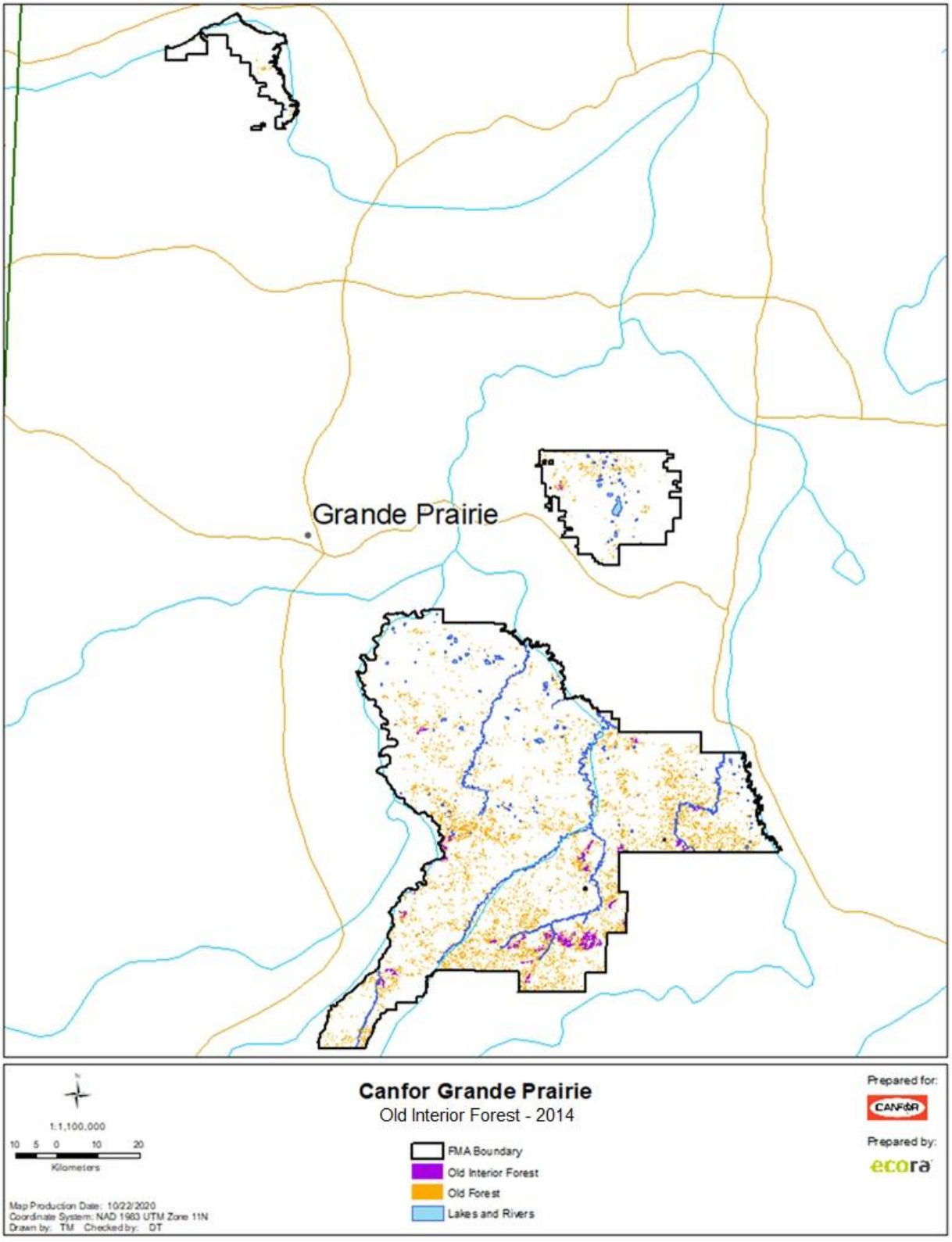

Figure 10: Area of Old Interior Forest across the DFA (2014)

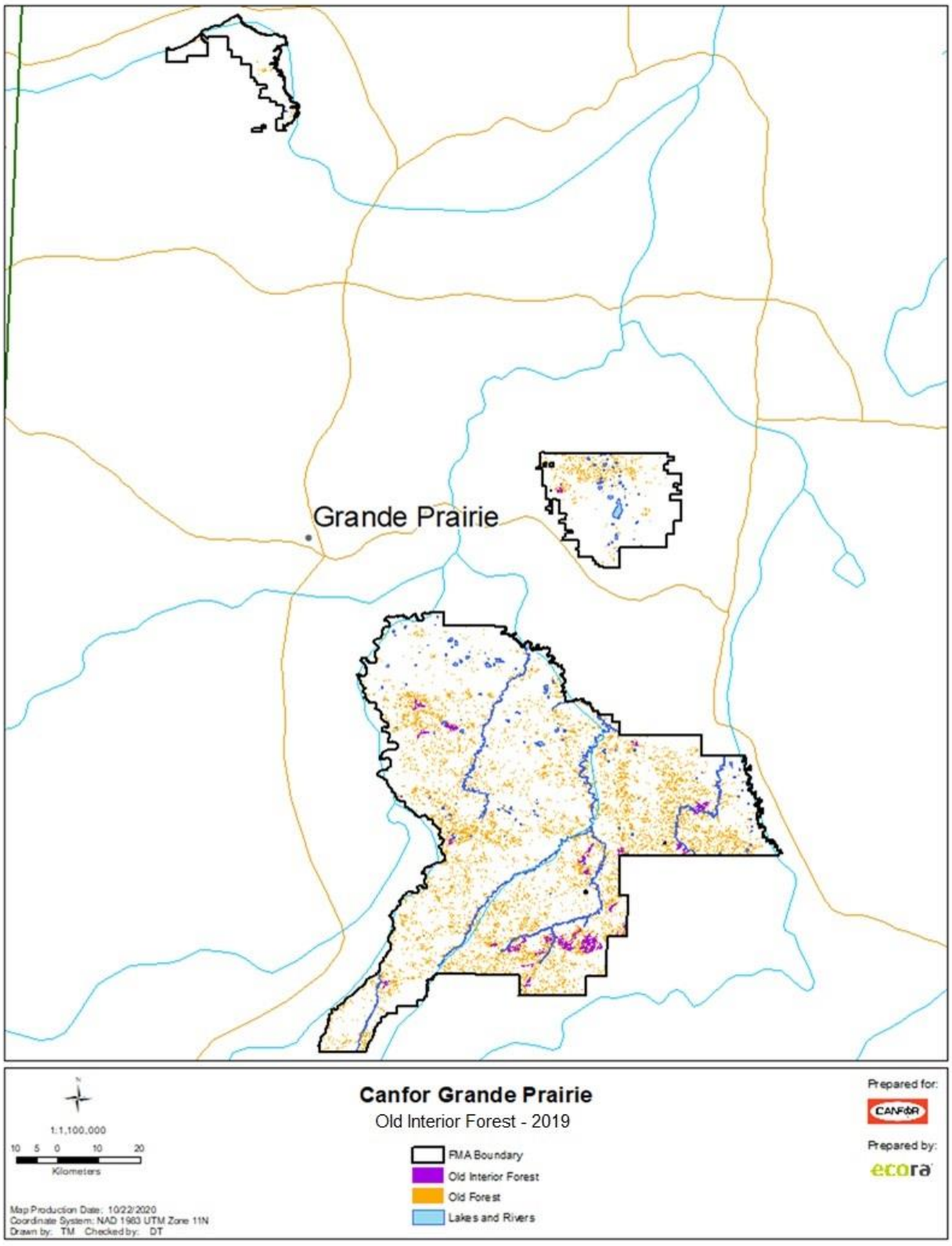

Figure 11: Area of Old Interior Forest across the DFA (2019)

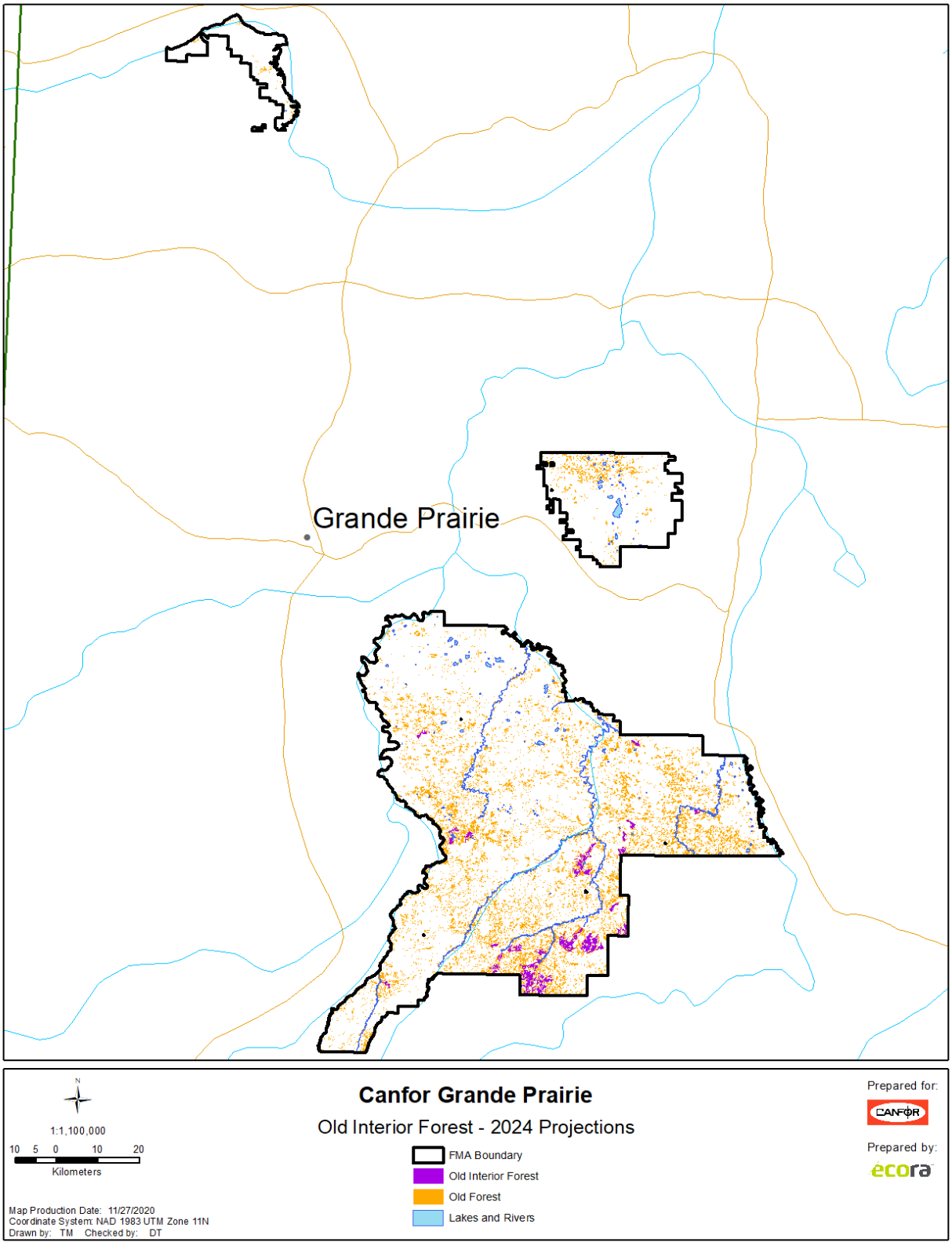

Figure 12: 10 Year Projection of Old Interior Forest across the DFA

Value	1.1.1 Landscape Scale Biodiversity
Objective	Maintain biodiversity by minimizing access.
Type of VOIT	Dynamic
Indicator (GoA)	1.1.1.3 Open all-weather forestry road density by subunit
Indicator (Canfor)	1.2.2(d) Density (lineal km/km²) of open (License of Occupation and Temporary non-reclaimed) roads.
Target (Canfor)	Density of open roads (lineal km/km²) not to exceed 0.6 km/ km² for the primary Grizzly Bear Range and Caribou Range and 1.2 km/ km² for the remainder of the DFA parcels (Main, Puskwaskau & Peace) and secondary Grizzly Bear Range.
Acceptable Variance	Road density will not exceed 0.66 km/ km² in the primary Grizzly Bear and Caribou Range and 1.2 km/ km² in the remainder of the DFA.
Status	**Does not meet**

In order to minimize the potential road density of an area, access management and integrated land management are key considerations when planning areas for harvest. Even while implementing these considerations, road density within the Caribou Range has reached 0.79 km/km^2 and 0.72 km/km^2 in the primary Grizzly Bear range as indicated in Table 19.

Canfor's approved SHS targeted susceptible MPB pine in the first period of the FMP, which is largely in the southern part of the Main parcel of the DFA and within these two ranges. The primary reason for these road densities exceeding the acceptable variance, is due to open seasonal/temporary roads not receiving Final Clearance inspections yet. Canfor's normal practice is to reclaim all temporary roads in the same season of harvest and plant them the following summer as long as they are not needed for future access. These roads are then monitored and generally receive a Final Clearance inspection from GoA two years post-harvest, after which time they will no longer contribute to the density of open roads.

In the Grizzly Bear range, 31 percent of the roads are temporary roads. The majority of these temporary roads are currently reclaimed and waiting for a Final Clearance inspection. Once Final Clearance is achieved, the road density within the Grizzly Bear range will decrease to 0.50 km/km^2. Likewise, 24 percent of the roads in the Caribou Range are temporary roads, and are also fully reclaimed and planted. Once Final Clearance is achieved, the road density within the caribou range will decrease to 0.52 km/km^2.

A number of permanent roads owned by other industrial users may also be reclaimed but are still noted as active in the Digital Integrated Dispositions (DIDs) database. It is difficult for Canfor to know where these are on case by case basis; therefore they will continue to contribute to the density of open roads until verified as reclaimed.

Table 19: 2019 TY Road Density (Km/Km²)

Area	Km^2	Roads (Km)	Density (Km/Km^2)
Main	5509	2782.8	0.51
Peace	241	143.5	0.60
Puskwaskau	697	141.7	0.20
Caribou Range	713	562.5	0.79
Grizzly Range	1899	1363.0	0.72

Value	1.1.1 Landscape Scale Biodiversity
Objective	Maintain biodiversity by minimizing access.
Type of VOIT	Dynamic
Indicator (GoA)	Open seasonal/temporary forestry road length by DFA
Indicator (Canfor)	Open seasonal/temporary forestry road length by DFA
Target (Canfor)	Density of open seasonal/temporary forestry roads (lineal km/km²) not to exceed 0.15 km/ km² across the DFA.
Acceptable Variance	Open seasonal/temporary forestry road density will not exceed 0.2 km/ km² across the DFA.
Status	**Meets**

Minimizing the industrial footprint on the landscape through strategic road planning and prompt reclamation reduces the influence of human activity on an area which in turn benefits wildlife populations and overall diversity. All forestry companies that are operating on the DFA aim to promptly reclaim roads after harvest. Upon completion of reclamation, the blocks are inspected by GoA and receive a final clearance at which time the roads are considered closed. Currently there are 572.54 km of open seasonal/temporary forestry roads within the DFA, which equates to an overall road density of 0.09km/km^2.

Table 20: Open Seasonal/Temporary Forestry Road Density

FMA Area (Km^2)	Road Length (Km)	Density (Km/Km^2)
6447	572.54	0.09

Value	1.1.1 Landscape Scale Biodiversity
Objective	Maintain plant communities uncommon in DFA or Province
Type of VOIT	Dynamic
Indicator (GoA)	1.1.1.4 Area of occurrence of each uncommon plant community within DFA
Indicator (Canfor)	1.1.1 Uncommon (Forest/Woodland) plant communities maintained
Target (Canfor)	100% of identified uncommon (Forest/Woodland) plant communities will be maintained
Acceptable Variance	No variance; 100% of identified uncommon (Forest/Woodland) plant communities will be maintained
Status	**Meets**

Uncommon plant communities are important to biological diversity as they represent rare ecosystems that exist on the landscape. Annually, Canfor checks the Alberta Conservation Information Management System (ACIMS) to determine if there are any new identified plant communities on the DFA. All staff and field contractors also receive training on identification of uncommon (Forest/Woodland) plan communities. At this time, there is one known uncommon plant community on the DFA, which is made up of *Populus tremuloides, Rubus parviflorus,* and *Aralia nudicaulis* (Trembling aspen/thimbleberry/wild sarsaparilla). Forest operations within the period of this Stewardship Report have not been in the vicinity of this site.

Value	1.1.1 Landscape Scale Biodiversity
Objective	Maintain unique habitats provided by wildfire and blowdown events
Type of VOIT	Dynamic
Indicator (GoA)	1.1.1.5 Area of unsalvaged burned forest
Indicator (Canfor)	1.1.4(c) Area of unsalvaged burned forest
Target (Canfor)	100% of burned areas that have salvage plans will be implemented in conformance with Alberta Environment and Sustainable Resource Development's Directive
Acceptable Variance	No variance; 100% of burned areas that have salvage plans will be implemented in conformance with ESRD's Directive.
Status	**Meets**

Between May 1, 2014 and April 30, 2020 there have only been a few small fires that have occurred within the Canfor DFA with minimal merchantable timber being affected. Therefore, no salvage plans have been implemented by Canfor, as shown in Table 21.

Table 21: Burned Areas with Salvage Plans on the DFA

Reporting Period	# of Burned Area Salvage Plans	# of Salvage Plans in Conformance with AAF Directive	% Achieving AAF Salvage Plan Directive
2014-2019	0	0	100%

Value	1.1.1 Landscape Scale Biodiversity
Objective	Maintain unique habitats provided by wildfire and blowdown events
Type of VOIT	Dynamic
Indicator (GoA)	1.1.1.5 Area of unsalvaged blowdown
Indicator (Canfor)	1.1.4(d) Area of unsalvaged blowdown
Target (Canfor)	In areas with significant blowdown (>10ha), a minimum of 25% of the area will be left un-salvaged.
Acceptable Variance	No variance; A minimum of 25% of blowdown areas will be left unsalvaged.
Status	**Meets**

Between May 1, 2014 and April 30, 2020 there were no significant blowdown events greater than 10 hectares across the Canfor DFA. Therefore, no salvage plans have been implemented by Canfor, Norbord, or Tolko.

Value	1.1.1 Landscape Scale Biodiversity
Objective	Retain ecological values and functions associated with riparian zones
Type of VOIT	Dynamic
Indicator (GoA)	1.1.1.6 Compliance with the Operating Ground Rules (OGRs)
Indicator (Canfor)	1.1.4(b) Number of non-compliances where forest operations are not consistent with riparian management requirements as identified in operation plans (same metric as for 3.2.2.1)
Target (Canfor)	Zero non-compliances, specific to OGRs, with riparian management requirements in forest operations.
Acceptable Variance	Zero non-compliances, specific to OGRs, with riparian management requirements in forest operations
Status	**Meets**

As shown in Table 22, between May 1, 2014 and April 30, 2020, no timber disposition holders had any OGR non-compliances relating to riparian management requirements across the Canfor DFA.

Table 22: OGR Non-Compliances in Riparian Areas

Reporting Period	Company	# of OGR Non-Compliances for Riparian Areas
2014-2019	Canfor	0
	Norbord	0
	Tolko	0

Value	1.1.2 Local/stand scale Biodiversity
Objective	Retain stand level structure
Type of VOIT	Dynamic
Indicator (GoA)	1.1.2.1(a) % area/volume/stems residual structure (both living and dead), within a harvest area, representative of the status (live/dead), sizes, and species of the overstory trees by subunit and entire DFA
Indicator (Canfor)	1.1.4(a) Percent of representative merchantable area of the total annual harvested area retained as structure retention across the DFA
Target (Canfor)	On a 5 year rolling average, no less than 4% of the area (ha) harvested will be retained as representative merchantable un-harvested and dispersed structure retention across the DFA
Acceptable Variance	No less than 3.0% of the 5 year rolling average harvested area (ha) will be left un-harvested as representative structural retention
Status	**Meets**

The five year rolling average of representative merchantable retention left across the DFA is 6.8% as indicated in Table 23. This includes a combination of dispersed and patch retention, which represents stand complexity and provides thermal and protective cover for wildlife as well as potential course woody debris recruitment.

Although Tolko retention is currently under the 4% target, the amount of hectares harvested was not significant. Both Norbord and Tolko are planning more harvest areas in the DFA in the next five year period, and will include more retention into their harvest design in order to meet the targets.

Table 23: Percent Structure Retention

Timber Year	Company	Net Area Harvested (ha)	Patch Merchantable Retention (ha)	Dispersed Merchantable Retention (ha)	Total Merchantable Retention (ha)	Gross Area Harvested (ha)	Percent Merchantable Retention
2015	Canfor	3,165.9	161.7	114.0	275.7	3,441.6	8.0%
	Norbord	0.0	0.0	0.0	0.0	0.0	0.0%
	Tolko	0.0	0.0	0.0	0.0	0.0	0.0%
2016	Canfor	1,834.6	128.8	41.3	170.1	2,004.7	8.5%
	Norbord	0.0	0.0	0.0	0.0	0.0	0.0%
	Tolko	0.0	0.0	0.0	0.0	0.0	0.0%
2017	Canfor	3,460.2	246.3	20.8	267.1	3,727.3	7.2%
	Norbord	254.1	7.1	0.0	7.1	261.2	2.7%
	Tolko	0.0	0.0	0.0	0.0	0.0	0.0%
2018	Canfor	2,659.5	191.4	18.4	209.8	2,869.3	7.3%
	Norbord	339.1	9.7	0.0	9.7	348.8	2.8%
	Tolko	929.0	19.6	0.0	19.6	948.6	2.1%
2019	Canfor	1,914.2	48.0	54.0	102.0	2,016.2	5.1%
	Norbord	238.6	23.7	0.0	23.7	262.3	9.0%
	Tolko	0.0	0.0	0.0	0.0	0.0	0.0%
Total	Canfor	13,034.4	776.2	248.5	1,024.7	14,059.1	7.3%
	Norbord	831.8	40.5	0	40.5	872.3	4.6%
	Tolko	929.0	19.6	0.0	19.6	948.6	2.1%
5 Yr Rolling Average	Total	14,795.2	836.3	248.5	1,084.8	15,880.0	**6.8%**

Value	1.1.2 Local/stand scale biodiversity
Objective	Retain stand level structure
Type of VOIT	Dynamic
Indicator (GoA)	1.1.2.1(b) Percentage of harvested area by subunit with downed wood debris equivalent to pre-harvest conditions
Indicator (Canfor)	3.1.2 Percentage of harvested area by subunit with coarse woody debris equivalent to pre-harvest conditions
Target (Canfor)	100% of subunits (Peace, Puskwaskau and Main) will meet or exceed coarse woody debris conditions equivalent to the pre-harvest state
Acceptable Variance	No variance; 100% of subunits (Peace, Puskwaskau and Main) will meet or exceed coarse woody debris conditions equivalent to the pre-harvest state
Status	**Pending**

Canfor implemented a revised coarse woody debris (CWD) survey program in 2017. At the time of development of this new program, it was determined that an acceptable target for this indicator is that post-harvest CWD volumes will meet 90% of the pre-harvest conditions across all sub-units on a five year rolling average. Considering the data collected to date, on a 3-year average, post-harvest CWD conditions exceed the newly developed target of 90%. Based on historical sampling, pre-harvest CWD volume across all yield groups and subunits is 59.8m^3/ha, which equates to a 90% pre-harvest target of 53.8m^3/ha. Data collected over the past three years demonstrates that on average, there is 72.5m^3/ha post-harvest CWD volume. Data will continue to be collected annually and a statistical analysis of post-harvest CWD volumes will be conducted based on a population of five years of cutblocks, when the sample size is sufficiently large.

Table 24: Pre- and Post-Harvest CWD Volumes on the DFA

	CWD Volume (m3/ha)
Pre-Harvest	59.8
90% Target	53.8
2017	72.2
2018	82.3
2019	56.3
3-year rolling avg	72.5

Value	1.1.2 Local/stand scale biodiversity
Objective	Maintain integrity of sensitive sites
Type of VOIT	Dynamic
Indicator (GoA)	1.1.2.2 Sensitive sites (e.g. mineral licks, major game trails) by subunit and entire DFA
Indicator (Canfor)	1.2.1(b) Percentage of significant wildlife mineral licks conserved.
Target (Canfor)	100% of significant wildlife mineral licks will be conserved annually, consistent with OGRs
Acceptable Variance	No variance unless there is an approved ground rule deviation
Status	**Meets**

As per the *Canfor Operating Ground Rules* (June 22nd, 2016)(Canfor, 2016), all identified significant mineral licks must be protected by a 100m buffer. Between May 1, 2014 and April 30, 2020 100% of identified significant mineral licks were conserved, as shown in Table 25.

Table 25: Identified Mineral Licks across the DFA

Timber Year	# of Identified Signficant Mineral Licks	# of Significant Mineral Licks Without GoA-Approved Encroachments	% of Significant Mineral Licks Conserved
2014	0	0	100%
2015	1	1	100%
2016	7	7	100%
2017	4	4	100%
2018	0	0	100%
2019	10	10	100%

Value	1.1.2 Local/stand scale biodiversity
Objective	Maintain integrity of sensitive sites
Type of VOIT	Dynamic
Indicator (GoA)	1.1.2.2 Sensitive sites (e.g. mineral licks, major game trails) by subunit and entire DFA
Indicator (Canfor)	1.4.1(b) Percent of forest management activities consistent with management strategies for sites of biological significance
Target (Canfor)	100% of identified biologically significant sites will have implemented management strategies identified in consultation with the Province
Acceptable Variance	No variance; all identified special biologically significant sites will have management strategies developed with the Province
Status	**Meets**

As per the Canfor OGRs, biologically sensitive/significant sites include grizzly bear dens, wildlife licks, nests, springs, and vernal pools. All of these sites must be buffered and excluded from the harvest areas prior to harvest. In 2018 and 2019 Canfor field staff and contractors did an excellent job of identifying springs and other sites of biological significance in operating areas that were known to have more sensitive features. From May 1, 2014 to April 30, 2020 all identified biologically significant sites had management strategies implemented prior to harvest. Table 26 summarizes all biologically sensitive/significant sites identified by all timber disposition holders during that time frame.

Tolko and Norbord did not identify any biologically significant sites in the areas that they harvested within the reporting period.

Table 26: Biologically Sensitive/Significant Sites Identified on the DFA

Timber Year	Site Type	# of Identified Sites	% with Management Strategies Implemented
2014	Grizzly Bear Den	0	100%
	Wildlife Licks	2	100%
	Nests	0	100%
	Springs	0	100%
	Vernal Pool	0	100%
2015	Grizzly Bear Den	1	100%
	Wildlife Licks	1	100%
	Nests	0	100%
	Springs	0	100%
	Vernal Pool	0	100%
2016	Grizzly Bear Den	1	100%
	Wildlife Licks	7	100%
	Nests	2	100%
	Springs	12	100%
	Vernal Pool	1	100%
2017	Grizzly Bear Den	1	100%
	Wildlife Licks	3	100%
	Nests	2	100%
	Springs	5	100%
	Vernal Pool	0	100%
2018	Grizzly Bear Den	0	100%
	Wildlife Licks	0	100%
	Nests	0	100%
	Springs	62	100%
	Vernal Pool	0	100%
2019	Grizzly Bear Den	1	100%
	Wildlife Licks	10	100%
	Nests	1	100%
	Springs	261	100%
	Vernal Pool	11	100%

Value	1.1.2 Local/stand scale biodiversity
Objective	Maintain aquatic biodiversity by minimizing impacts of water crossings
Type of VOIT	Dynamic
Indicator (GoA)	1.1.2.3 Forestry water crossings in compliance with Code of Practice for Water Course Crossings within each subunit
Indicator (Canfor)	3.2.1 (c) Forestry water crossing construction and maintenance work in compliance with Code of Practice for Water Course Crossings or OGRs within each subunit.
Target (Canfor)	100% of forestry water crossing construction and maintenance work in compliance with Code of Practice for Water Course Crossings or OGRs within each subunit.
Acceptable Variance	No variance; all construction and maintenance work will have the required approvals and will be carried out in compliance with Code of Practice for Water Course Crossings or OGRs
Status	**Meets**

Between May 1, 2014 and April 30, 2020 Canfor did not construct any new permanent crossings within the DFA. Maintenance was performed on a number of crossings (Table 27), all of which followed the OGRs and had Annual Operating Plan (AOP) approval. As Norbord does not have any permanent crossings on the Canfor DFA, they were not required to report on this VOIT. Between May 1, 2014 and April 30, 2020, Tolko did not construct any new permanent crossings, nor did they perform any maintenance on their existing crossings.

Table 27: Summary of Permanent Crossing Construction and Maintenance Conducted by Canfor

Timber Year	# New Crossings	# Crossings Maintenance Complete	CoP/OGR Apply?	CoP/AOP Approval Obtained?
2014	0	41	OGR	AOP
2015	0	47	OGR	AOP
2016	0	81	OGR	AOP
2017	0	56	OGR	AOP
2018	0	111	OGR	AOP
2019	0	78	OGR	AOP

Value	1.1.2 Local/stand scale biodiversity
Objective	Maintain aquatic biodiversity by minimizing impacts of water crossings
Type of VOIT	Dynamic
Indicator (GoA)	1.1.2.3 Forestry water crossings in compliance with Code of Practice for Water Course Crossings within each subunit
Indicator (Canfor)	3.2.1(b) Drainage structures with identified water quality concerns that have mitigation strategies implemented
Target (Canfor)	100% of medium and high hazard drainage structures will have mitigation strategies implemented according to the road maintenance plan for permanent Canfor Alberta roads
Acceptable Variance	90% of medium and high hazard drainage structures will have mitigation strategies implemented according to the road maintenance plan for permanent Canfor Alberta roads
Status	**Meets**

Canfor Alberta utilizes the Foothills Stream Crossing Partnership to identify risk. The Foothills Stream Crossing Partnership is administered by the Foothills Research Institute. The program is a creditable standardized procedure that is used by other forest companies and other industrial users across Alberta. Stream crossing inspections are completed annually between June and September.

Table 28 below provides a summary of all drainage structures that underwent repairs in each respective year. All crossing inspections that indicate a high risk for safety are addressed immediately. Between May 1, 2014 and April 30, 2020 there were 225 inspections completed as part of the Foothills Stream Crossing Partnership (FSCP) program in the Main portion of the DFA. Remediation plans including the recommendations from the previous inspections for all medium and high hazard drainage structures were developed within six months of the stream crossing inspections. These remediation plans are scheduled to be implemented on a priority basis.

Currently there are 280 crossings inspected as part of the FSCP program; 114 (41%) pose a high risk to water quality and 93 (33%) pose a medium risk, 73 (26%) are low risk and none are no risk. The crossings requiring maintenance are scheduled for repairs based on lead-time for budgeting and priorities are evaluated by risk to safety and risk to fish. Repairs include activities such as removal of beaver dams, cleaning bridges and removing snow and ice, repairing or replacing signage, as well as steaming and thawing culverts.

As Norbord and Tolko are not presently members of the Foothills Stream Crossing Partnership they were not required to submit data for this VOIT.

Table 28: Stream Crossing Inspections Conducted by Canfor across the DFA

Risk Ranking	# of Crossings by Risk	% of Total Crossings	% of Crossings in Remediation Plan	Number of Crossings in Remediation Plan Repaired:					
				2014	2015	2016	2017	2018	2019
High Risk Inspections	114	41%	100%	1	23	20	9	11	2
Medium Risk Inspections	93	33%	100%	9	11	11	10	0	0
Low Risk Inspections	73	26%	100%	31	13	13	11	19	28
No Risk Inspections	N/A	N/A	N/A	0	0	35	26	92	83
Total Crossings Inspected	280	100%	100%	41	47	79	177	30	42

Element 1.2: Species Diversity

Conserve species diversity by ensuring that habitats for the native species found in the FMA area are maintained over time, including habitats for known occurrences of species at risk.

Value	1.2.1 Viable populations of identified plant and animal species
Objective	Maintain habitat for identified high value species (i.e., economically valuable, socially valuable, species at risk, species of management concern
Type of VOIT	Dynamic
Indicator (GoA)	1.2.1.1 Area (ha of suitable habitat within the DFA or subunit OR Specific population parameter(s) (e.g. trends, distribution, absolute size, recruitment) for the DFA or subunit
Indicator (Canfor)	1.2.1(a) Trumpeter Swan habitat maintained
Target (Canfor)	No future winter harvest within 200 meters and no summer harvesting within 800 meters of provincially identified Trumpeter Swan sites.
Acceptable Variance	No variance unless there is an approved ground rule deviation.
Status	**Meets**

As stated above, no harvesting will occur within 800m of provincially identified Trumpeter Swan sites in the summer or within 200m in the winter. Table 29 shows that from May 1, 2014 to April 30, 2020 all disposition holders maintained all Trumpeter Swan habitat across the DFA and did not have any OGR deviations.

Table 29: Harvesting Operations that Occurred within Designated Trumpeter Swan Buffers

Reporting Period (Timber Years)	Winter Harvesting Within 200m of provincially identified Trumpeter Swan Sites	Summer Harvesting Within 800m of Provincially Identified Trumpeter Swan Sites	# Approved OGR Deviations
2014-2019	0	0	0

Value	1.2.1 Viable populations of identified plant and animal species
Objective	Maintain habitat for identified high value species (i.e., economically valuable, socially valuable, species at risk, species of management concern
Type of VOIT	Dynamic
Indicator (GoA)	1.2.1.1 Area (ha of suitable habitat within the DFA or subunit OR Specific population parameter(s) (e.g. trends, distribution, absolute size, recruitment) for the DFA or subunit
Indicator (Canfor)	1.2.2(a)(1) Sufficient amount of functional woodland caribou habitat over time (3 targets associated with this indicator)
Target (Canfor)	No timber harvesting will occur in the Conservation zone identified within the Little Smoky/A La Peche ranges for the period of May 1, 2014-April 30, 2024 No timber harvesting will occur in the Timber Supply Subunits (DS3, DS4 and DS5 within the Little Smoky range for the period May 1, 2014 -April 20, 2019 No timber harvesting will occur in the Timber Supply Subunits DS1, DS2 DS6 and DS7 within the Little Smoky range for the period May 1 2014-April 30, 2024
Acceptable Variance	None
Status	**Meets**

In the development of Canfor's FMP, the commitment to forego timber harvesting in the Conservation Zone and certain timber supply units was made. The decision to forego harvesting in these areas for an extended period of time assists in the maintenance of existing caribou habitat values and works toward achieving the Federal Recovery Strategy target of reducing habitat disturbance in the range to 65% (Environment Canada, 2011). From May 1, 2014 to April 30, 2020 Canfor upheld this commitment and did not undertake any timber harvesting within the Conservation Zone or aforementioned subunits.

Value	1.2.1 Viable populations of identified plant and animal species
Objective	Maintain habitat for identified high value species (i.e., economically valuable, socially valuable, species at risk, species of management concern
Type of VOIT	Dynamic
Indicator (GoA)	1.2.1.1 Area (ha of suitable habitat within the DFA or subunit OR Specific population parameter(s) (e.g. trends, distribution, absolute size, recruitment) for the DFA or subunit
Indicator (Canfor)	1.2.2(a)(2) Sufficient amount of functional woodland caribou habitat over time
Target (Canfor)	All future harvested areas, excluding the deciduous broad cover group in all identified Caribou Management Zones will be reforested to a coniferous standard to reduce alternate prey habitat
Acceptable Variance	90% of mixed woods will be transitioned to conifer
Status	**Meets**

Canfor made the commitment to ensure all harvested areas within identified Caribou Management Zones are reforested to a coniferous standard. This commitment was made as part of an effort to reduce alternate prey habitat. Recently harvested blocks create ideal vegetation for alternate prey, such as moose and deer. As moose and deer populations increase, so does the wolf population, which has a negative direct impact on the caribou population. With the exception of one block surveyed in the 2017 timber year that was reforested to a conifer-leading mixedwood standard, all other blocks harvested in Caribou Management Zones were reforested to a coniferous standard (Table 30).

Table 30: Percent of Blocks in the Caribou Management Zone Reforested to a Coniferous Standard

Timber Year	% of Blocks Harvested in Caribou Management Zone Reforested to a Coniferous Standard
2014	100%
2015	100%
2016	100%
2017	99%
2018	100%
2019	100%

Value	1.2.1 Viable populations of identified plant and animal species
Objective	Maintain habitat for identified high value species (i.e., economically valuable, socially valuable, species at risk, species of management concern
Type of VOIT	Dynamic
Indicator (GoA)	1.2.1.1 Area (ha of suitable habitat within the DFA or subunit OR Specific population parameter(s) (e.g. trends, distribution, absolute size, recruitment) for the DFA or subunit
Indicator (Canfor)	1.2.2(a)(3) Sufficient amount of functional woodland caribou habitat over time
Target (Canfor)	Canfor Alberta will have zero contribution to open-route density south of the Deep Valley
Acceptable Variance	None
Status	**Meets**

Canfor has committed to have zero contribution to open-route density south of the Deep Valley as research has demonstrated that an increased anthropogenic footprint, such as linear disturbances like roads, and declining caribou populations are correlated (Latham et. al., 2011). Linear features provide predation corridors, which are used by wolves to hunt their prey. Canfor does not have any active roads south of the Deep Valley.

Value	1.2.1 Viable populations of identified plant and animal species
Objective	Maintain habitat for identified high value species (i.e., economically valuable, socially valuable, species at risk, species of management concern
Type of VOIT	Dynamic
Indicator (GoA)	1.2.1.1 Area (ha of suitable habitat within the DFA or subunit OR Specific population parameter(s) (e.g. trends, distribution, absolute size, recruitment) for the DFA or subunit
Indicator (Canfor)	1.2.2(b) Fish risk ranking for Bull Trout and Arctic Grayling
Target (Canfor)	100% of watersheds with a high or very high fish risk ranking and >25% Canfor influence will be assessed using Canfor's Fish Risk Flow Chart and have mitigations strategies scheduled and implemented
Acceptable Variance	90% of identified very high and high risk watersheds with >25% Canfor influence will have mitigation strategies scheduled and implemented according to plan
Status	**Meets**

By monitoring fish risk using road densities (Table 31), forest managers at Canfor and GoA are able to identify high risk watersheds and collaboratively develop mitigation strategies that will reduce the risk to bull trout and Arctic grayling fish populations. In the development of the 2015 FMP, Canfor and GoA actively worked together to develop a strategy to help reduce the risk to fish on the DFA. Figure 14 shows the current fish risk for bull trout and Arctic grayling by watershed and road density (km/km^2) of permanent and non-reclaimed temporary forest industry roads within the Main parcel of the DFA. It also identifies the watersheds in which Canfor has >25% influence based on road density.

Table 31: Fish Risk as a Function of Road Density

Risk Level	Road Density
Low	0.0 to .10
Moderate	.11 to .20
High	.21 to .60
Very High	.61 to 1.0
Likely Extirpated	>1.0

Although the risk of certain watersheds has increased, many others have decreased since the 2015 FMP (Figure 13). The increase in risk ranking for some of the watersheds is mostly due to temporary roads, which have been promptly reclaimed immediately prior to harvest, but are awaiting Final Clearance inspections from GoA. Once Final Clearance is achieved, the risk ranking of these watersheds will also decrease.

When planning harvest areas and completing operations within the high risk watersheds, Canfor staff adhere to the Fish Risk Flow Chart and implement mitigation strategies identified in the 2015 FMP to reduce the potential risk to fish. Implemented strategies are noted within Final Harvest Plans and on harvesting block maps. These include considerations for minimizing the number of required crossings, ensuring crossings do not restrict potential fish passage or stream flow, and ensuring crossings are promptly removed prior to spring break up.

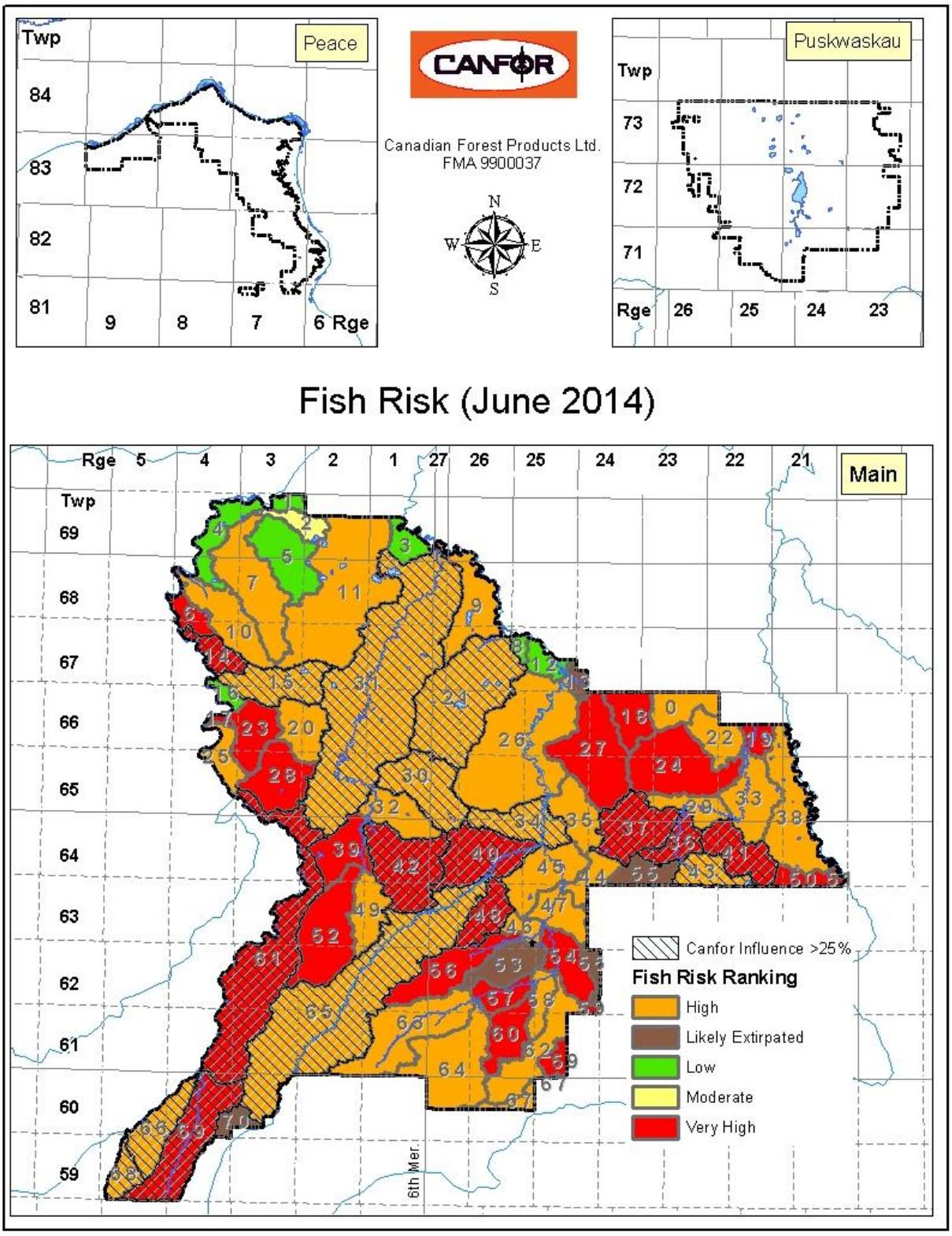

Figure 13: 2014 Fish Risk

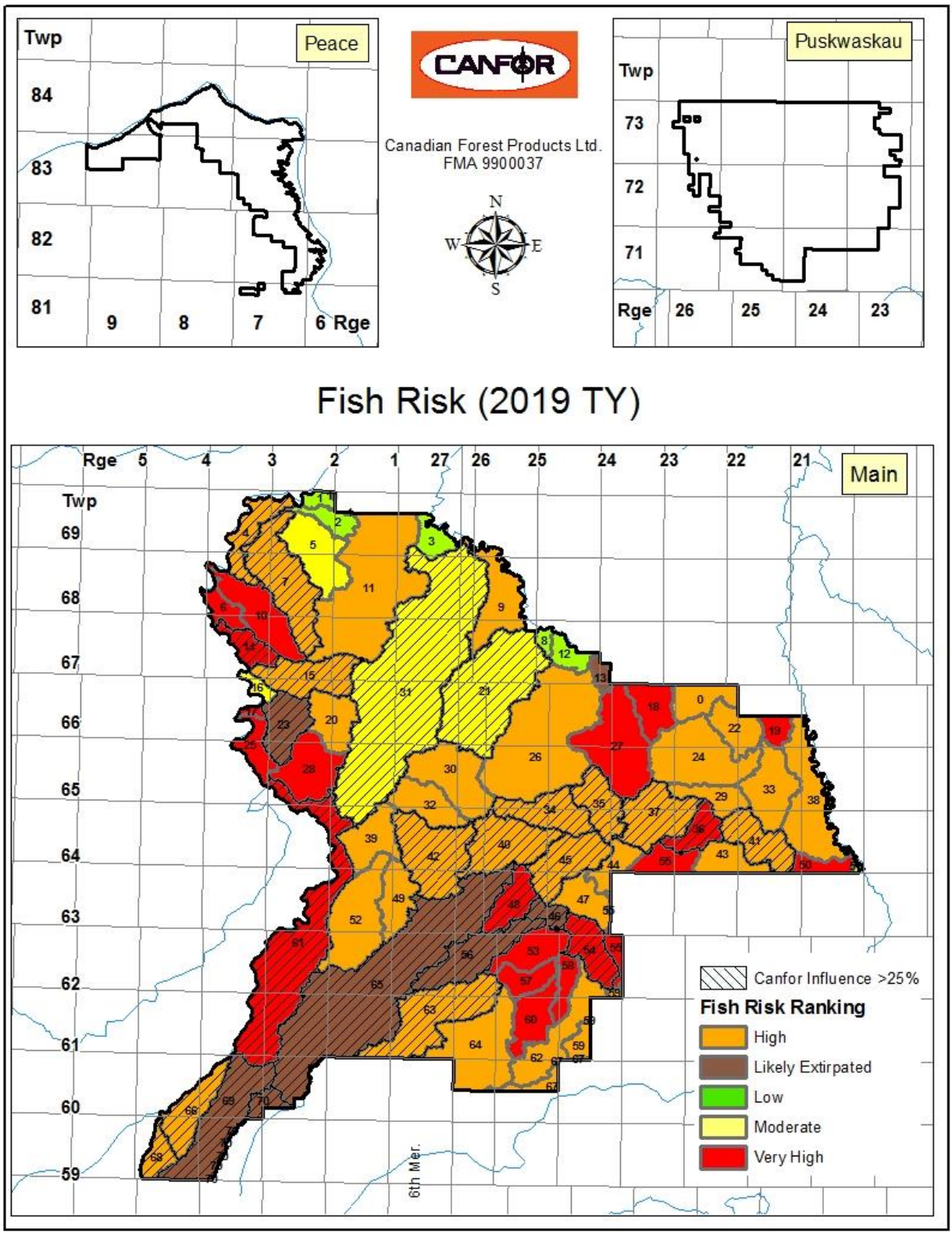

Figure 14: 2019 Fish Risk

In addition to the mitigation strategies applied operationally, Canfor is also a partner in the Foothillls Stream Crossing Program (FSCP). In accordance with the Fish Risk Flow Chart, inspections completed can help identify priority crossings for remediation in high risk watersheds.

Table 32 indicates the number of crossings within high and very high risk watersheds that have had FSCP inspections completed between May 1, 2014 and April 30, 2020. Canfor is utilizing the Fish Risk Flow Chart to prioritize maintenance in areas with potentially higher risk and also completes maintenance activities on some low and medium risk crossings while working in the same area in order to achieve operational and budgetary efficiencies. Heavy rainfall events in 2018 and 2019, required maintenance and repair of many other crossings within the DFA in order to reduce sources of sedimentation and erosion into riparian areas. Crossing maintenance schedules and budgets were adjusted in order to address these issues immediately.

Table 32: Number of Crossings Maintained by FSCP Inspection Ranking

Year	FSCP Inspection Ranking			Total Crossings Maintained	% High Risk
	HIGH	LOW	MEDIUM		
2014	1	27	9	37	3%
2015	20	7	7	34	59%
2016	12	12	6	39	31%
2017	9	11	10	56	16%
2018	11	19	0	111	10%
2019	2	28	0	78	3%

Value	1.2.1 Viable populations of identified plant and animal species
Objective	Maintain habitat for identified high value species (i.e., economically valuable, socially valuable, species at risk, species of management concern
Type of VOIT	Dynamic
Indicator (GoA)	1.2.1.1 Area (ha of suitable habitat within the DFA or subunit OR Specific population parameter(s) (e.g. trends, distribution, absolute size, recruitment) for the DFA or subunit
Indicator (Canfor)	1.2.2(c) Amount of Barred Owl habitat available for breeding pairs
Target (Canfor)	The amount of the potential Barred Owl habitat for breeding pairs will not be less than 10% of current levels across the DFA
Acceptable Variance	The amount of potential Barred Owl habitat will not be less than 15% of current levels across the DFA
Status	**Meets**

As shown in Table 33, between May 1, 2014 and April 30, 2020 there was a minor decrease of 0.54% in the amount of potential Barred Owl habitat across the DFA.

Table 33: Area of Suitable Barred Owl Habitat across the DFA

Timber Year	Suitable Barred Owl Habitat (ha)
2014	626,846
2019	623,476
10 Year	611,119
% Change	0.54%

Element 1.3: Genetic Diversity

Conserve genetic diversity by maintaining the variation of genes within species and ensuring that reforestation programs are free of genetically modified organisms.

Value	1.3.1 Genetic Integrity of Natural Tree Populations
Objective	Retain "wild forest populations" for each tree species in each seed zone through establishment of in-situ reserves by the organization or in cooperation with Alberta
Type of VOIT	Dynamic
Indicator (GoA)	1.3.1.1 Number and area (ha) of in-situ genetic conservation areas
Indicator (Canfor)	1.2.3 Regeneration will be consistent with provincial regulations and standards for seed and vegetative use
Target (Canfor)	100% conformance with the Alberta Forest Genetics Resources Management and Conservation Standards (FGRMS)
Acceptable Variance	No variance; all regeneration will be consistent with the FGRMS
Status	**Meets**

Analysis of the planting data shows that between May 1, 2014 and April 30, 2020, no timber disposition holders planted non-native species within the DFA.

Value	1.3.1 Genetic Integrity of Natural Tree Populations
Objective	1.3.1.2 Retain wild forest genetic resources through ex-situ conservation
Type of VOIT	Dynamic
Indicator (GoA)	Number of provenances and genetic lines in ex-situ gene banks and trials
Indicator (Canfor)	1.3 Regeneration will be consistent with provincial regulations and standards for seed and vegetation use
Target (Canfor)	100% conformance with the Alberta Forest Genetic Resources Management and Conservation Standards (FGRMS) for all seed collection and seedling deployment
Acceptable Variance	No variance; all regeneration will be consistent with the FGRMS
Status	**Does Not Meet**

As previously discussed in Section 10 (FGRMS Reporting), wild "stream 1" seed is sourced from the seed zones that encompass the DFA, including Dry Mixedwood (DM 1.2, DM 1.3), Central Mixedwood (CM 3.4), Lower Foothills (LF 1.4), Upper Foothills (UF 1.2) and Sub Alpine (SA 1.1). Genetically improved "stream 2" stock is collected at the Huallen Seed Orchard on an annual basis pending crop availability. Stream 2 breeding regions are based on species, Canfor uses seed from breeding regions B1 & B2 (lodgepole pine), G1 (white spruce), and L2 (black spruce)

Between May 1, 2014 and April 30, 2020, Canfor had two non-compliances with respect to FGRMS. The first occurred in the 2016 timber year, where one opening was planted with stream 2 seed that was out of elevational range. The second occurred in the 2018 timber year, where one opening in the CM 3.4 seed zone was planted with stream 1 stock from the DM 1.2 seed zone. Upon realizing this noncompliance, Canfor notified the GoA area forester and applied for a variance to plant LBH 1.6 into the opening in the DM 1.2 seed zone that the misplanted stock was originally intended for. The LBH seed zone was selected due to its similarities in latitude and longitude to the DM seed zone. This variance was applied for and approved on the same day. The incident report conducted by the planting contractor identified three root causes that lead to this non-conformance occurring, in which corrective actions were developed to minimize the risk of re-occurrence.

Element 1.4: Protected Areas & Sites of Special Biological and Cultural Significance

Respect protected areas identified through government processes. Cooperate in broader landscape management related to protected areas and sites of special biological and cultural significance. Identify sites of special geological, biological, or cultural significance within the DFA and implement management strategies appropriate to their long-term maintenance.

Value	1.4.1 Areas will minimal human disturbances within managed landscapes
Objective	1.4.1.1 Integrate transboundary values and objectives into forest management
Type of VOIT	Dynamic
Indicator (GoA)	Stakeholder Consultation
Indicator (Canfor)	1.4.1(a) Percent of forest management activities where consultation has occurred for operations near protected park areas
Target (Canfor)	The Province will be consulted 100% of the time when operations will occur within 1 km of legally protected park areas
Acceptable Variance	No variance; all planned harvest within 1 km of a Protected Park Area will have consultation records
Status	**Meets**

Between May 1, 2014 and April 30, 2020, no timber disposition holders on the Canfor DFA had harvesting operations occur within 1 km of legally protected park areas, therefore no consultation with the Government of Alberta was required.

Value	1.4.1 Areas will minimal human disturbances within managed landscapes
Objective	1.4.1.1 Integrate transboundary values and objectives into forest management
Type of VOIT	Dynamic
Indicator (GoA)	Stakeholder Consultation
Indicator (Canfor)	1.4.2 Percent of identified historic, sacred and culturally important sites, forest values, traditional knowledge and uses considered in the planning process
Target (Canfor)	100% of historic, sacred and culturally important sites, forest values, traditional knowledge and uses known or identified through communication area considered in forestry planning processes
Acceptable Variance	No variance; all identified sites will be considered
Status	**Meets**

Table 34 provides a summary of all historic, sacred, and culturally important sites that were identified between May 1, 2014 and April 30, 2020. These sites were identified through consultation with First Nations groups or through archaeological surveys conducted during the planning process. 100% of identified historic, sacred and culturally important sites, forest values, traditional knowledge, and uses were considered in the forestry planning process by all timber disposition holders operating within the Canfor DFA.

Table 34: Historic, Sacred and Culturally Important Sites Identified on the DFA

Timber Year	Company	# of Sites Identified through FN Consultation	# of Sites Identified through Archaeological Surveys	% of Sites That Considered Traditional Knowledge/Uses In Planning Processes
2014	Canfor	0	7	100%
	Norbord	0	0	100%
	Tolko	0	0	100%
2015	Canfor	3	6	100%
	Norbord	0	0	100%
	Tolko	0	0	100%
2016	Canfor	0	13	100%
	Norbord	0	0	100%
	Tolko	0	0	100%
2017	Canfor	0	12	100%
	Norbord	0	0	100%
	Tolko	0	0	100%
2018	Canfor	0	11	100%
	Norbord	3	3	100%
	Tolko	4	0	100%
2019	Canfor	0	2	100%
	Norbord	1	10	100%
	Tolko	0	18	100%

11.2 CCFM Criterion 2: Ecosystem Condition and Productivity

The second criterion developed by the CCFM to work toward Sustainable Forest Management is ecosystem condition and productivity. The aim of this criterion is to conserve forest ecosystem condition and productivity by maintaining the health, vitality, and rates of biological production.

Element 2.1: Forest Ecosystem Resilience

Conserve ecosystem resilience by maintaining both ecosystem processes and ecosystem conditions.

Value	2.1.1 Reforested Harvest Areas
Objective	2.1.1.1 Meet reforestation targets on all harvested areas
Type of VOIT	Dynamic
Indicator (GoA)	Annual % of SR regeneration surveys
Indicator (Canfor)	2.1.1 (a) Prompt Reforestation
Target (Canfor)	100% of all harvested blocks will be reforested within 2 years
Acceptable Variance	No variance; 100% of all harvested blocks will be reforested within 2 years. Planting of top piles and roads are not considered in this target as they may be completed later than 2 years to accommodate the burning of top piles.
Status	**Meets**

All blocks harvested by Canfor, Norbord and Tolko between the 2012 and 2017 timber years received a planting treatment or leave for natural declaration within two years of their skid clearance date (between May 1, 2014 and April 30, 2020).

Value	2.1.1 Reforested Harvest Areas
Objective	2.1.1.1 Meet reforestation targets on all harvested areas
Type of VOIT	Dynamic
Indicator (GoA)	Annual % of SR regeneration surveys
Indicator (Canfor)	2.1.1(b) Prompt reforestation of failed areas
Target (Canfor)	All harvested blocks that have not achieved the regeneration targets as per the Regeneration Standards of Alberta establishment survey standards will have remedial treatments completed within 12 months of the survey date
Acceptable Variance	A 6 month variance to the 12 month retreatment period will apply for up to 50% of the blocks requiring remediation treatments. The 6 months allows for surveys done in the spring of 1 year to have treatments done in the following summer when seedlings may not be available the first summer
Status	**Meets**

Establishment surveys are conducted by Canfor on the DFA every other year. This means that harvested blocks that are five and six years old are pooled together and surveyed in the same year. Canfor conducted establishment surveys on the DFA in 2014, 2016, and 2018. Table 35 details the number of blocks that failed establishment surveys and required re-treatment within one year of the survey date. 100% of failed blocks reported by Canfor had remedial treatments completed within the target time frame. Norbord did not record any failed establishment surveys and therefore did not need to re-treat any blocks. Tolko has not conducted any establishment surveys on the DFA for this reporting period.

Table 35: Establishment Surveys Conducted by Canfor on the DFA

Timber Year	# of failed blocks	# of blocks re-treated within a year	% of Failed Blocks re-treated within a year of survey
2014	0	0	100%
2015	0	0	100%
2016	10	10	100%
2017	0	0	100%
2018	6	6	100%
2019	0	0	100%

Value	2.1.1 Reforested Harvest Areas
Objective	2.1.1.1 Meet reforestation targets on all harvested areas
Type of VOIT	Dynamic
Indicator (GoA)	Cumulative % of reforested areas that meet reforestation target
Indicator (Canfor)	2.1.1(c)
Target (Canfor)	The regenerated stand yield (Mean Annual Increment) for the total of all sampling populations will meet or exceed the regenerated stand yield assumptions of the Timber Supply Analysis in the Regeneration Standards of Alberta performance survey process
Acceptable Variance	The 5 year average must meet the mean annual increment targets for the current quadrant period.
Status	**Meets**

Canfor conducts performance surveys across the DFA every other year, meaning harvested blocks that are 13 and 14 years old are pooled and surveyed in the same year. Canfor conducted performance surveys in 2015, 2017, and 2019.

Table 36 depicts the five-year weighted rolling average for the mean annual increment (MAI) calculated from the results of the performance surveys, in comparison with our target MAI for conifer and deciduous growth. As of the 2019 survey results, Canfor is exceeding the five-year weighted rolling average MAI for both conifer and deciduous.

Table 36: Canfor's Performance Survey Results (5-Year Rolling Average)

	MAI Target (m3/ha/yr)		MAI Survey Results (m3/ha/yr)	
	Conifer	**Deciduous**	**Conifer**	**Deciduous**
5 yr average	2.29	0.44	3.00	1.10

Tolko has conducted RSA performance surveys on 11 blocks, all of which took place during the 2019 timber year. Table 37 provides a summary of their MAI, calculated from survey results. Although the conifer MAI was not achieved for DC, it only represents one harvest opening.

Norbord has not conducted any performance surveys on the DFA during this reporting period.

Table 37: Tolko's Performance Survey Results

	MAI Target (m3/ha/yr)		MAI Survey Results (m3/ha/yr)	
5 yr average	**Conifer**	**Deciduous**	**Conifer**	**Deciduous**
D	0.15	2.75	0.16	4.83
DC	1.71	1.8	0.97	3.76

Element 2.2: Forest Ecosystem Productivity

Conserve ecosystem productivity and productive capacity by maintaining ecosystem conditions that are capable of supporting naturally occurring species. Reforest promptly and use tree species ecologically suited to the site.

Value	2.1.2 Maintenance of Forest Landbase
Objective	Limit conversion of productive forest landbase to other uses
Type of VOIT	Dynamic
Indicator (GoA)	2.1.2.1 Amount of change in forest landbase
Indicator (Canfor)	2.2.1/4.2 % of gross forested land base in the DFA converted to non-forest land use through forest management activities
Target (Canfor)	Forest management company activities not to exceed 3% reduction in gross DFA over the life of the Forest Management Agreement (May 26, 1964)
Acceptable Variance	No variance; forest management company activities will not exceed 3% reduction in gross DFA over the life of the Forest Management Agreement (May 26, 1964)
Status	**Meets**

Maintenance of the forested landbase is important for sustaining the forest ecosystem. Conversion of the forested landbase to non-forest can occur as a result of industrial development. The overall impact of this industrial development on the DFA is detailed in Section 6.0 of this document.

It is the goal of the forest companies on the DFA to minimize the conversion of forested land to non-forested land as a result of their operations. As shown in Table 38, Canfor's contribution to the conversion of the landbase to non-forest over the life of the FMA agreement is only 0.2%. At this time, Norbord does not have any permanent dispositions within the DFA, and Tolko only has a couple of small DLO's which equate to 49ha.

Since the development of the 2015 FMP, Canfor has acquired additional non-forest land use dispositions in the DFA through assignment of existing dispositions for a campsite and access roads. Canfor has also sought out opportunities to return areas of non-forest landbase back to forest through working with the energy industry to reforest past land use openings. Canfor is also partnered with the NAIT Center for Boreal Research on a project titled "Reforestation of Previously Certified Energy Sector Related Disturbances in the Green Zone" to identify techniques that will allow nursery seedlings to overcome challenges associated with herbaceous vegetation competition and soil compaction in order to contribute to a biologically diverse and productive forest.

Table 38: Canfor Percentage of Forest Land Converted to Non-Forest Land Use

DFA Total Area (ha)	Net Non-Forest Area Dispositions as of April 30/14 (ha)	Area Converted to Non-Forest Area Use May 1/14 to April 30/20 (ha)	Past Non-forest area Returned to Forest Land May 1/14 to April 30/20 (ha)	NET reduction in forest land area (ha)	PERCENTAGE of Forest Land Converted to Non-Forest Land Use
644,695	1,457.9	73.0	60.1	1,470.8	0.2%

Value	2.1.2 Maintenance of Forest Landbase
Objective	Recognize lands affected by insects, disease or natural calamities
Type of VOIT	Dynamic
Indicator (GoA)	2.1.2.2 Amount of area affected
Indicator (Canfor)	Presence or absence, or area affected by significant outbreaks, infestations, and natural calamities
Target (Canfor)	Report on presence or absence, or area affected by significant outbreaks, infestations, natural calamities
Acceptable Variance	None
Status	**Meets**

Aerial surveys of the Grande Prairie Forest Area were conducted in the summer of 2020 by the Government of Alberta, which revealed a number of outbreaks across the Canfor DFA (Table 39). In the Peace and Puskwaskau parcels of the DFA there was widespread aspen defoliation and mortality, caused by Bruce spanworm and other agents. There was also significant aspen dieback recorded in Economy North and Economy South as a result of multiple agents, as well as willow mortality caused by multiple agents and aspen defoliation from Bruce spanworm. The Latornell area was recorded as having a significant amount of pine needle cast, affecting regenerating lodgepole pine stands as well as some occurrence of willow leafminer. Lastly, there was more aspen and willow defoliation and mortality recorded in the Simonette area, as well as some pine needle cast, aspen mortality, and birch mortality recorded in the Waskahegan area. As these aerial surveys are landscape level surveys, the affected area listed also includes embedded species that might be mixed into these areas.

Table 39: Outbreaks Identified across the DFA in 2020

Agent	Species Affected	Symptom	Area (ha)
Armillaria Root Disease	Fir	Mortality	333
Aspen Serptentine Leafminer	Aspen	Defoliation	765
Bruce Spanworm	Aspen	Defoliation	85,515
Pine Needle Cast	Lodgepole/Jack pine	Foliar damage	5423
Willow Leafminer	Willow	Defoliation	736
Multiple Agents	Aspen	Dieback	5911
Multiple Agents	Aspen	Mortality	75,603
Unknown	Birch	Mortality	586
Other	Mechanical	Mixed	8

Value	Control Invasive Species
Objective	Control non-native plant species (weeds)
Type of VOIT	Dynamic
Indicator (GoA)	2.1.3.1 Noxious weed program
Indicator (Canfor)	2.1.1(d) Noxious week program Implementation
Target (Canfor)	100% of noxious weeds identified along Canfor Alberta's dispositions will have treatments scheduled and completed according to the plan
Acceptable Variance	90% of identified weeds must be treated
Status	**Meets**

The Canfor DFA is adjacent to agricultural lands and grazing dispositions and experiences heavy use from both industrial and recreational users, thus providing many opportunities for invasive species to be transported into the DFA. In addition to monitoring harvested blocks, Canfor completes annual inspections of its roads and dispositions to monitor for noxious weeds. Upon identification of noxious or prohibited noxious weeds in the DFA, impacted areas are scheduled for treatment, monitored, and subject to a retreatment if needed. Table 40 details the number of planned treatments and completed treatments to remove noxious weeds from DFA from May 1, 2014 to April 30, 2020.

Table 40: Noxious Weeds Identified and Treated across the DFA

Timber Year	Company	# of Planned Treatments	# of Completed Treatments	% Complete
2014	Canfor	33	32	97%
	Norbord	8	8	100%
	Tolko	0	0	100%
2015	Canfor	22	22	100%
	Norbord	1	1	100%
	Tolko	0	0	100%
2016	Canfor	20	20	100%
	Norbord	1	1	100%
	Tolko	0	0	100%
2017	Canfor	16	16	100%
	Norbord	1	1	100%
	Tolko	0	0	100%
2018	Canfor	37	37	100%
	Norbord	1	1	100%
	Tolko	0	0	100%
2019	Canfor	29	29	100%
	Norbord	0	0	100%
	Tolko	0	0	100%

11.3 CCFM Criterion 3: Soil and Water

The third criterion developed by the Canadian Council of Forest Ministers to achieve sustainable forest management is soil and water. The goal of this criterion is to conserve soil and water resources by maintaining their quantity and quality in forest ecosystems.

Element 3.1: Soil Quality and Quantity

Conserve soil resources by maintaining soil quality and quantity.

Value	3.1.1 Soil Productivity
Objective	Minimize impact of roading and bared areas in forest operations
Type of VOIT	Dynamic
Indicator (GoA)	3.1.1.1 Compliance with OGR`s
Indicator (Canfor)	3.1.1(a) % of harvested blocks meeting soil disturbance objectives identified in plans and OGR
Target (Canfor)	100% of harvested blocks will not exceed 5% soil disturbance without government approval as outlined in Canfor OGR
Acceptable Variance	No variance; 100% of harvest blocks will not exceed 5% soil disturbance without government approval as outlined in Canfor OGR
Status	**Does Not Meet**

Between May 1, 2014 and April 30, 2020 Canfor had five blocks that exceeded 5% soil disturbance without prior approval (Table 41). This was primarily due to construction of additional roads required at the time of harvest operations. In the 2015 timber year, the three blocks that did not have prior approval were smaller than 15 ha in size and required logging truck turn arounds. In the 2018 timber year, one block exceeded 5% soil disturbance without prior approval, as a road needed to be added due to steep slopes within the block. The 2019 timber year also saw one block that exceeded 5% disturbance without prior approval, the reason being that it was initially planned with no turnaround at 4.9% soil disturbance; however a turnaround was required resulting in 5.1% soil disturbance. In the future, Harvesting Supervisors and contractors will determine whether the addition of new roads will exceed 5% soil disturbance prior to construction and seek approval from the GoA Area Forester as required. Canfor also ensures that planned road percentages are identified on harvesting maps so that the operators and Harvesting Supervisors are aware of blocks that are near 5% road disturbance.

Over the course of the reporting period, neither Norbord nor Tolko had any blocks that exceeded 5% soil disturbance without prior approval from the Government of Alberta on the Canfor DFA.

Table 41: Blocks Exceeding 5% Soil Disturbance without Prior GoA Approval

Timber Year	Company	# of Harvested Blocks in TY	# of Blocks Exceeding 5% Soil Disturbance	# of Blocks Exceeding 5% Soil Disturbance with Prior Approval	% of Blocks Exceeding 5% Soil Disturbance without Prior Approval
2014	Canfor	68	2	2	0%
	Norbord	0	0	0	0%
	Tolko	0	0	0	0%
2015	Canfor	92	16	13	3%
	Norbord	0	0	0	0%
	Tolko	0	0	0	0%
2016	Canfor	52	1	1	0%
	Norbord	0	0	0	0%
	Tolko	0	0	0	0%
2017	Canfor	88	9	8	1%
	Norbord	3	0	0	0%
	Tolko	0	0	0	0%
2018	Canfor	69	1	1	0%
	Norbord	7	1	1	0%
	Tolko	9	0	0	0%
2019	Canfor	54	5	4	2%
	Norbord	1	0	0	0%
	Tolko	0	0	0	0%

Value	3.1.1 Soil Productivity
Objective	Minimize incidence of soil erosion and slumping
Type of VOIT	Dynamic
Indicator (GoA)	3.1.1.2 Incidence of soil erosion and slumping
Indicator (Canfor)	3.1.1(b) % of oil erosion and slumping incidences with mitigation strategies implemented
Target (Canfor)	100% of known significant erosion and slumping events caused by forest operations will have mitigation strategies implemented within 1 year of identification
Acceptable Variance	No variance; all reportable incidents will have mitigation strategies implemented within 1 year of identification
Status	**Meets**

Between May 1, 2014 and April 30, 2020, there was only one known significant erosion event that was greater than or equal to 1000m^2. During a post-harvest flight with the GoA in 2019, the Canfor Harvesting Supervisor identified a fracture line developing on a steep portion of the block. Upon identification, block files, including LiDAR and photos were compiled and reviewed to determine if there was any sign of instability prior to harvest. The files indicated that although the block was steep, it was deemed suitable to harvest. As the 2019 timber year was extremely wet, it was determined that the wet conditions were a definite contributing factor to the slope failure. The block was flown by helicopter in the summer of 2020 to monitor the fracture line. It was flown again in September 2020 with the GoA, at which time the block was given final clearance with no additional mitigation strategies required.

During this period neither Norbord nor Tolko reported any incidence of significant erosion or slumping events on the Canfor DFA.

Element 3.2: Water Quality and Quantity

Conserve water resources by maintaining water quality and quantity.

Value	3.2.1 Water quantity
Objective	Limit impact of timber harvesting on water yield
Type of VOIT	Dynamic
Indicator (GoA)	3.2.1.1 Forecast impact of timber harvesting on water yield
Indicator (Canfor)	3.2.1(a) Watersheds with high risk level assessments with mitigation strategies implemented
Target (Canfor)	100% of watersheds with a moderate or high risk level will have approved mitigation strategies implemented
Acceptable Variance	No variance; all high and moderate risk ranked watersheds based on the 10 year SHS with scheduled operations will have mitigation strategies implemented, in consultation with ESRD
Status	**Meets**

Figure 4 depicts the risk ranking of each watershed on the DFA based on Canfor's *2015 Forest Management Plan* (FMP) 10-year Spatial Harvest Sequence. In the development of the Preferred Forest Management Scenario (PFMS), Canfor constrained its timber supply model from harvesting watersheds above the 50% equivalent clearcut area (ECA) level (high risk), therefore reducing the risk to watersheds on the DFA. Figure 4 identifies where Canfor should implement mitigation strategies and best management practices based on the 10 year Spatial Harvest Sequence in order to reduce the risk to watersheds.

In the development of the 2015 FMP, Canfor and GoA identified potential mitigation strategies and best management practices to implement when operating in the moderate and high risk watersheds, with a primary focus on watersheds with high risk to fish (VOIT #1.2.2b). All areas harvested within these high risk watersheds between the 2014 to 2019 timber years had identified mitigation strategies in their Forest Harvest Plans as well as some block specific prescriptions to help mitigate risk to fish and water. Many of these block specific prescriptions are identified on harvesting maps readily available to the Harvesting Supervisors and operators. These strategies included:

- Minimizing the construction of both permanent and temporary roads and crossings;
- Avoiding multiple crossings of single streams;
- Increase skid distance to reduce the amount of road required;
- Installing crossings that do not alter the natural stream bed or restrict flow;
- Construct all roads and crossings to include sediment control measures;
- Plan crossings in accordance with the expected duration they will be in place;
- Removal of temporary crossings (log fills/wood culverts) prior to spring break-up to allow unimpeded flows.
- Educate all operators to understand stream crossing standards and respect the importance of installation and rehabilitation to prevent stream and habitat degradation.
- Ensure activities are not causing water turbidity and sedimentation;

- Prompt reclamation of temporary roads and crossings after use;
- Utilize existing access where ever possible to reduce infrastructure;
- Consideration of treed buffers on ephemeral and intermittent watercourses to enhance water filtration and regulate flow;
- On slopes of 35% and greater plan or maintain treed retention where feasible to help regulate surface run off during peak flow and storm events;
- Maintain large woody debris in riparian areas to contribute to cooler temperatures, hiding and regulation of water flow;
- Ensure timely reforestation and final access removal;
- Conduct winter operations where possible to minimize soil and lesser vegetation disturbance.

Value	3.2.2 Effective riparian habitats
Objective	Minimize impact of operations in riparian areas
Type of VOIT	Dynamic
Indicator (GoA)	3.2.2.1 Riparian buffers maintained as outlined in OGRs
Indicator (Canfor)	1.1.4(b) Number of non-compliances where forest operations are not consistent with riparian management requirements as identified in operation plans (same metric as 1.1.16)
Target (Canfor)	Zero non-compliances, specific to OGRs with riparian management requirements in forest operations
Acceptable Variance	Zero non-compliances, specific to OGRs, with riparian management requirements in forest operations
Status	**Meets**

Between May 1, 2014 and April 30, 2020 there were no OGR non-compliances with regard to riparian management requirements by any timber disposition holders across the Canfor DFA, as shown in Table 42.

Table 42: OGR Non-Compliances in Riparian Areas

Timber Years	Company	# of OGR Non-Compliances for Riparian Areas
2014-2019	Canfor	0
	Norbord	0
	Tolko	0

11.4 CCFM Criterion 4: Role in Global Ecological Cycles

The Canadian Council of Forest Ministers fourth criterion is forests role in global ecological cycles. The objective of this criterion is to maintain forest conditions and management activities that contribute to the health of global ecological cycles.

Element 4.1: Carbon Uptake and Storage

Maintain the processes that take carbon from the atmosphere and store it in forest ecosystems.

Value	4. Global Ecological Cycles
Objective	To Be Determined
Type of VOIT	Modeled
Indicator (GoA)	Results of carbon budget modeling
Indicator (Canfor)	4.1.1 The tonnes of carbon stored in each of the carbon pools
Target (Canfor)	Achieve 100% of the carbon stored in each of the carbon pools as defined by the Preferred Forest Management Scenario forecast
Acceptable Variance	+/-20% of the Preferred Forest Management Scenario for the 10 year forecast values
Status	**Pending**

When comparing the baseline values for tonnes of CO_2e sequestered by various carbon pools across the Canfor DFA, the data (Table 43) is trending toward the 10 year forecasted target based on the Preferred Forest Management Scenario. Canfor will continue to monitor carbon sequestration, it is anticipated that as the operators follow the SHS that the ten year forecasted values will be met.

Table 43: Carbon Sequestration across Carbon Pools on the DFA

Timber Year	Carbon Sequestration by Carbon Pool (millions of tonnes of CO_2e)			
	Above Ground Biomass	Below Ground Biomass	Dead Organic Matter	Soil Biomass
2014	28.96	6.55	47.85	52.37
2019	28.83	6.51	47.59	52.57
10 Year	26.96	6.15	47.49	52.84

Value	See 2.2.1 above
Objective	
Type of VOIT	Dynamic
Indicator (GoA)	
Indicator (Canfor)	2.2.1/4.2 % of gross forested land base in the DFA converted to non- forest land use through forest management activities
Target (Canfor)	Forest management company activities not to exceed 3% reduction in gross DFA over the life of the Forest Management Agreement (May 25, 1964)
Acceptable Variance	No variance; Forest management company activities not to exceed 3% reduction in gross DFA over the life of the Forest Management Agreement (May 25, 1964)
Status	**Meets**

Please refer to indicator 2.2.1 for a detailed write-up

Table 44: Canfor Percentage of Forest Land Converted to Non-Forest Land Use

DFA Total Area (ha)	Net Non-Forest Area Dispositions as of April 30/14 (ha)	Area Converted to Non-Forest Area Use May 1/14 to April 30/20 (ha)	Past Non-forest area Returned to Forest Land May 1/14 to April 30/20 (ha)	NET reduction in forest land area (ha)	PERCENTAGE of Forest Land Converted to Non-Forest Land Use
644,695	1,457.9	73.0	60.1	1,470.8	0.2%

11.5 CCFM Criterion 5: Economic and Social Benefits

The fifth criterion from the CCFM is economic and social benefits. The goal of this criterion is to ensure sustained flows of forest benefits for current and future generations by providing multiple goods and services.

Element 5.1: Timber and Non-Timber Benefits

Manage the forest sustainably to produce an acceptable and feasible mix of timber and non-timber benefits.

Value	5.1.1 Sustainable Timber Supplies
Objective	Establish appropriate AACs
Type of VOIT	Dynamic
Indicator (GoA)	5.1.1.1 Process described in Annex 1 is followed and standards are met
Indicator (Canfor)	2.2.2/5.1.1(a) Percent of volume harvested compared to long term harvest level
Target (Canfor)	Not to exceed 100% of the approved harvest level (AAC) over 5 years (5 year quadrant balance)
Acceptable Variance	The actual quadrant harvest volume will not exceed 5% of the allowable harvest level
Status	**Meets**

Ensuring harvest levels do not exceed the long term allowable harvest level helps ensure sustainability of forest resources, thereby providing timber and non-timber benefits now and into the future. All operators on the DFA reported harvest levels below the five year quadrant allowable harvest level for the previously completed quadrant and are partway through their current quadrants[4].

Norbord has been working with the GoA Forest Stewardship and Trade Branch (FSTB) since May 1, 2018 regarding a quadrant alignment and carryover of un-used volume from the 2013-2018 Quadrant. Once approval is received, quadrant dates and harvest level allotments will be adjusted accordingly.

Table 45: Percent of Volume Harvested

Timber Disposition	Quadrant Period	Quadrant Harvest Level (m^3)	Harvested as of April 30, 2020 (m^3)	Percent	Remaining (m^3)
FMA9900037 Canfor	May 5, 2014 - April 30, 2019	3,513,674	3,062,215	87	451,459
	May 1, 2019 - April 30, 2024	3,570,500	656,863	18	2,913,637
CTPP	May 5, 2014 - April 30, 2019	49,891	9,926	20	39,965
DTA150001 Tolko	May 1, 2013 - April 30, 2018	658,858	43,457	7	615,401
	May 1, 2018 - April 30, 2023	767,190	32,017	4	735,173
DTA150002 Tolko	May 1, 2014 - April 30, 2019	1,079,889	542,994	50	498,305
	May 1, 2019 - April 30, 2024	1,167,045	0	0	1,167,045
DTA150003 Norbord	May 1, 2013 - April 30, 2018	872,269	456,123	52	416,146
	May 1, 2018 - April 30, 2023	887115	234,284	26	652,831

[4] GoA timber audits are not complete, so the timber production volumes may slightly change upon timber audit results.

Value	5.2.1 Risk to communities and landscape values from wildfire is low
Objective	To reduce wildfire threat potential by reducing fire behaviour, fire occurrence, threats to values at risk and enhancing fire suppression capability
Type of VOIT	Dynamic
Indicator (GoA)	5.2.1.1 (1) Percentage reduction in Fire Behaviour Potential area (ha) within the FireSmart Community Zone
Indicator (Canfor)	Percentage reduction in Fire Behaviour Potential area (ha) within the Fire Smart Community Zone
Target (Canfor)	Reduce the area (ha) in the extreme and high Fire Behaviour Potential rating categories by 0.8% within the combined Fire mart Community Zones over a 10-year period
Acceptable Variance	Reduction of Fire Behaviour Potential of the FireSmart Community Zones must be within 0.5% of the target
Status	**Pending**

Fires have the potential to significantly impact communities located directly adjacent to forested Crown Land. During the development of the 2015 FMP, the GoA completed a landscape fire assessment on the DFA to identify the current status in regards to Fire Behaviour Potential in the adjacent FireSmart Community Zones and the DFA. Forestry companies are able to reduce the Fire Behaviour Potential by harvesting stands assessed as high, very high, and extreme Fire Behaviour Potential.

There are two partial FireSmart Community Zones located within Canfor's DFA (Figure 15). As shown in the map, the areas overlapping the FireSmart Community Zones show relatively Low to Moderate fire behaviour potentials with small pockets of stands labeled as Very High fire behaviour potential. Since the implementation of the FMP, Canfor has had minimal operations within these FireSmart Community zones as focus has been primarily in addressing MPB susceptible pine in other parts of the DFA. Canfor did operate within the Sturgeon Lake Clarkson Valley Community Zone, which resulted in a small reduction in High Fire Behaviour Potential. Through implementation of the remaining approved Spatial Harvest Sequence, it is expected that Canfor will achieve the target of reducing the Fire Behaviour Potential of the FireSmart Community Zones within the DFA.

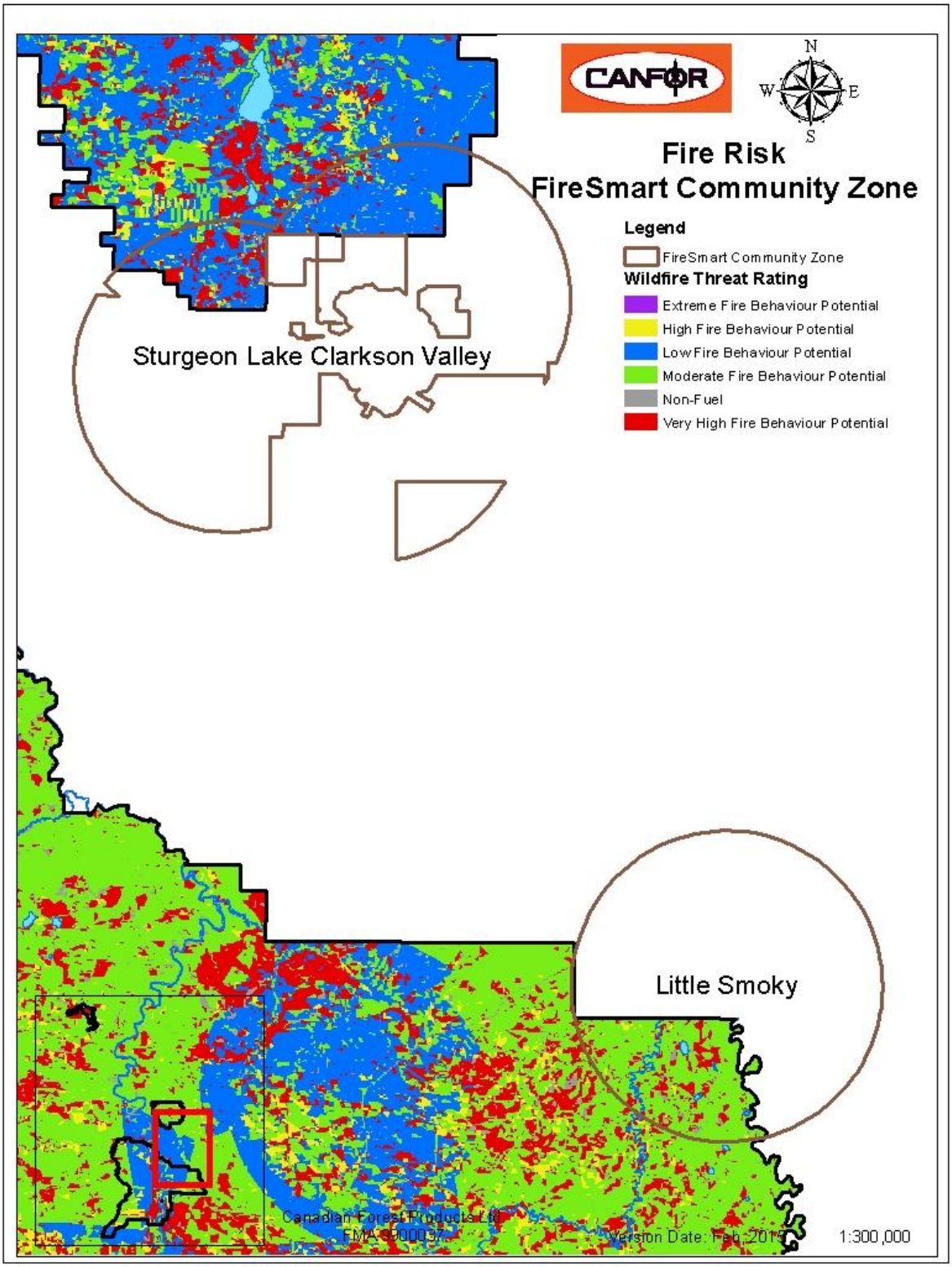

Figure 15: FireSmart Community Zones- Fire Behaviour Potential (May 1, 2014)

Table 46: Little Smoky Community FireSmart Zone Fire Risk Reduction

Fire Risk	May 1, 2014 Fire Risk		Current Fire Risk (April 30, 2020)			PFMS Year 10 Fire Risk		
	Area (Ha)	%	Area (Ha)	%	Fire Risk Reduction % From 2014	Area (Ha)	%	Fire Risk Reduction % From 2014
Non-Fuel	274	4.0%	274	4.0%	0.0%	273	4.0%	0.0%
Low Fire Behaviour Potential	0	0.0%	4	0.1%	0.1%	439	6.4%	6.4%
Moderate Fire Behaviour Potential	5,420	78.7%	5,415	78.7%	-0.1%	4,996	72.6%	-6.2%
High Fire Behaviour Potential	1,107	16.1%	1,107	16.1%	0.0%	84	1.2%	-14.9%
Very High Fire Behaviour Potential	84	1.2%	84	1.2%	0.0%	1,093	15.9%	14.7%
Total	**6,884**	**100%**	**6,884**	**100%**		**6,884**	**100%**	

Table 47: Sturgeon Lake Clarkson Valley Community FireSmart Zone Fire Risk Reduction

Fire Risk	May 1, 2014 Fire Risk		Current Fire Risk (April 30, 2020)			PFMS Year 10 Fire Risk		
	Area (Ha)	%	Area (Ha)	%	Fire Risk Reduction % From 2014	Area (Ha)	%	Fire Risk Reduction % From 2014
Non-Fuel	383	4.2%	383	4.2%	0.0%	382	4.2%	0.0%
Low Fire Behaviour Potential	6,755	73.8%	6,772	74.0%	0.2%	6,816	74.5%	0.7%
Moderate Fire Behaviour Potential	534	5.8%	526	5.8%	-0.1%	529	5.8%	-0.1%
High Fire Behaviour Potential	1,258	13.7%	1,253	13.7%	-0.1%	220	2.4%	-11.3%
Very High Fire Behaviour Potential	223	2.4%	219	2.4%	0.0%	1,206	13.2%	10.7%
Total	**9,154**	**100%**	**9,154**	**100%**		**9,154**	**100%**	

Value	5.2.1 Risk to communities and landscape values from wildfire is low
Objective	To reduce wildfire threat potential by reducing fire behaviour, fire occurrence, threats to values at risk and enhancing fire suppression capability
Type of VOIT	Dynamic
Indicator (GoA)	5.2.1.1(2) Percentage reduction in Fire Behaviour Potential area (ha) across the DFA now and over the planning horizon
Indicator (Canfor)	Percentage reduction in Fire Behaviour Potential Area (ha) across the DFA now and over the planning horizon
Target (Canfor)	Reduced the area (ha) in the extreme and high Fire Behaviour Potential rating categories by 2% across the DFA over a 10 years period
Acceptable Variance	Reduction of Fire Behaviour Potential of the the DFA must be within 0.5% of the target
Status	**Pending**

During the development of the 2015 FMP, the GoA completed a landscape fire assessment on the DFA to identify the current status in regards to Fire Behaviour Potential. Forestry companies are able to reduce the Fire Behaviour Potential by harvesting stands assessed as high, very high, and extreme Fire Behaviour Potential.

Figure 16 depicts the Fire Behaviour Potential of the DFA at the onset of the 2015 FMP. As of April 30, 2020, the Fire Behaviour potential of the DFA has been reduced approximately 1.1% (Table 48) and through implementation of the remaining approved Spatial Harvest Sequence, it is expected that the target of reducing the Fire Behaviour Potential across the DFA will be achieved

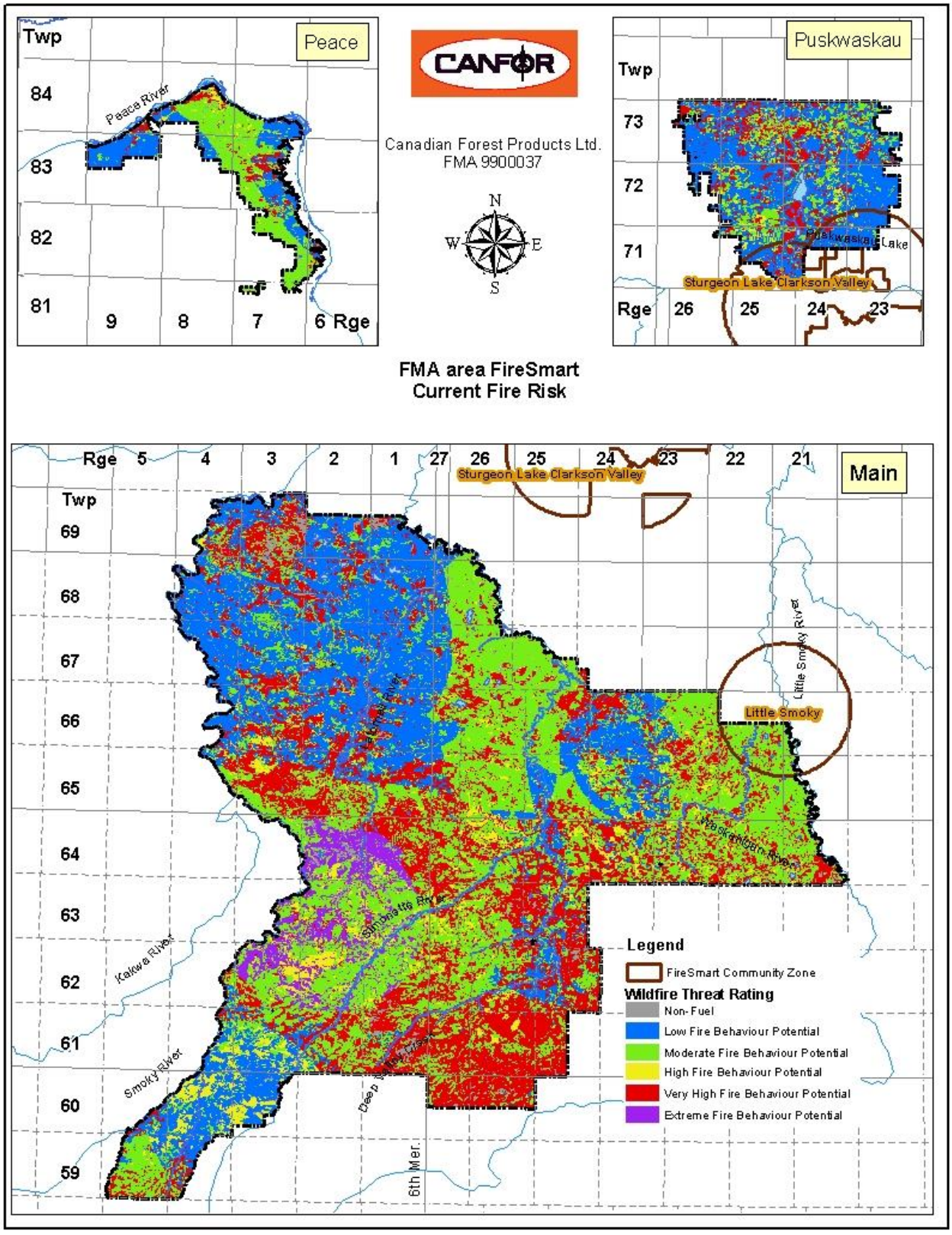

Figure 16: FMA Fire Behaviour Potential (May 1, 2014)

Table 48: DFA FireSmart Behaviour Potential Risk Reduction

Fire Risk	May 1, 2014 Fire Risk		Current Fire Risk (April 30, 2020)			PFMS Year 10 Fire Risk		
	Area (Ha)	%	Area (Ha)	%	Fire Reduction % From 2014	Area (Ha)	%	Fire Risk Reduction % From 2014
Non-Fuel	25,746	4.0%	25,641	4.0%	0.0%	25,343	3.9%	-0.1%
Low Fire Behaviour Potential	179,832	27.9%	191,720	29.7%	1.8%	210,605	32.7%	4.8%
Moderate Fire Behaviour Potential	221,943	34.4%	216,697	33.6%	-0.8%	205,425	31.9%	-2.6%
High Fire Behaviour Potential	36,078	5.6%	34,299	5.3%	-0.3%	33,065	5.1%	-0.5%
Very High Fire Behaviour Potential	161,703	25.1%	157,434	24.4%	-0.7%	151,911	23.6%	-1.5%
Extreme Fire Behaviour Potential	19,393	3.0%	18,904	2.9%	-0.1%	18,346	2.8%	-0.2%
Total	**644,695**	**100%**	**644,695**			**644,695**	**100.0%**	

Value	5.2.2 Provide opportunities to derive benefits and participate in use and management
Objective	Integrate other uses and timber management activities
Type of VOIT	Dynamic
Indicator (GoA)	5.2.2.1 Extent of various uses
Indicator (Canfor)	5.1.1(b) Maintenance of recreational areas for non-timber values
Target (Canfor)	Canfor Alberta will maintain a minimum of 3 recreational areas for use by the public within the DFA
Acceptable Variance	No variance; Canfor Alberta will maintain a minimum of 3 recreational areas for use by the public within the DFA
Status	**Meets**

Between May 1, 2014 and April 30, 2020 Canfor maintained 4 public recreational areas within the DFA and supported two recreational sites outside of the DFA. Those within the DFA are:

- MacLeod Flats;
- Economy Lake;
- Frying Pan Creek; and
- Westview.

The two additional recreational sites supported by Canfor that are not in the DFA are:

- Swan Lake (located approximately 25km west of Valleyview); and
- Stoney Lake (located approximately 30km northeast of Hines Creek).

A typical site includes camping stalls, picnic tables, firewood, garbage receptacles, and pit toilets. MacLeod Flats, Economy Lake, and Stoney Lake also have well water which must be boiled before using.

Stoney Lake Campsite is located in Canfor's quota area northeast of Hines Creek. This recreation area has 28 overnight sites, a boat launch area, day use area, toilets, and non-potable water supply. An agreement was signed in 2006 with Alberta Tourism, Parks and Recreation whereby Canfor provides a financial contribution and Tourism, Parks and Recreation manages and operates the Stoney Lake site. In March 2020 the Government of Alberta announced the closure of a number of parks that will be fully or partially closed, including Stoney Lake. Upon further discussion with Alberta Environment and Parks, it was determined that this park would remain open to the public and was operated and maintained by Alberta Parks staff during the summer of 2020.

To promote public use of the recreation areas, Canfor Alberta has produced a pamphlet titled *Canfor Public Recreation Areas* that is available through the Grande Prairie Tourism Association, Muskoseepi Park, and Canfor Alberta's Administration Office. Figure 17 depicts the recreational areas that are currently managed by Canfor.

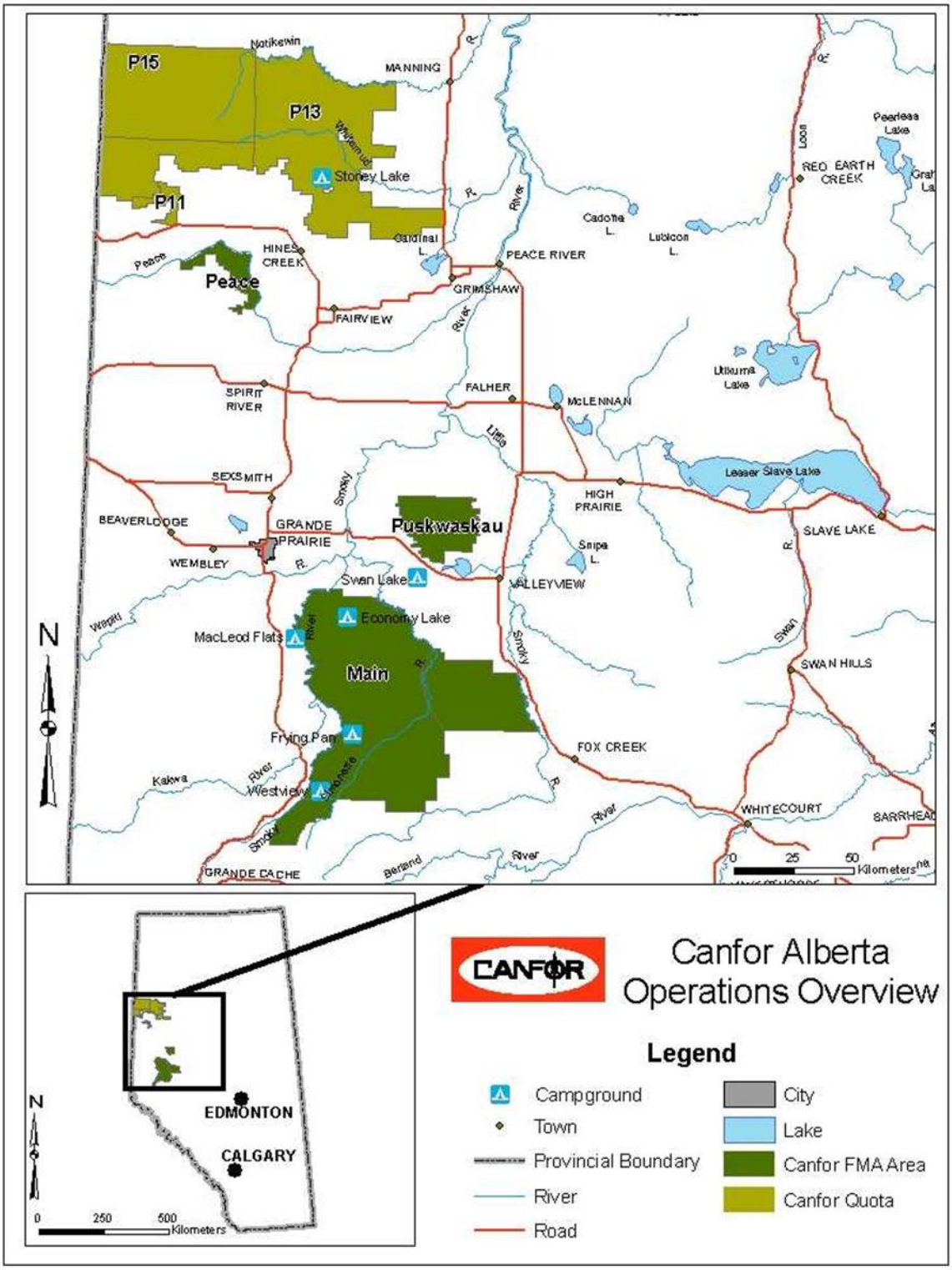

Figure 17: Campgrounds and Recreational Areas Maintained by Canfor

Element 5.2: Communities and Sustainability

Contribute to the sustainability of communities by providing diverse opportunities to derive benefits from forests and by supporting local community economies.

Value	5.2.2 Provide opportunities to derive benefits and participate in use and management
Objective	Integrate other uses and timber management activities
Type of VOIT	Dynamic
Indicator (GoA)	5.2.2.1 Extent of various uses
Indicator (Canfor)	5.2.1 Investment in local communities
Target (Canfor)	Over a rolling 5 year period, a minimum of 75% of Canfor Alberta forest operations dollars paid for contract services will be expended locally
Acceptable Variance	No variance; over a rolling 5 year period, a minimum of 75% of Canfor Alberta forest operations dollars paid for contract services will be expended locally
Status	**Meets**

In the 2019 fiscal year, Canfor Alberta spent 92% (5-year rolling average) of its operations dollars on local contract services. Since the beginning of the reporting period, Canfor has never spent less than 90% of its operations dollars on local contract services, based on a five year rolling average, as shown in Table 49.

Table 49: Canfor Alberta Operations Dollars Spent on Local and Non-Local Contract Services

Contribution	2014	2015	2016	2017	2018	2019
Local Contract Services ($ millions)	54.9	81.5	65.8	72.2	74.7	73.3
Non-Local Contract Services ($ millions)	5.4	6.9	8.5	5.5	5.8	6.1
Subtotal	60.2	88.4	74.3	77.6	80.5	79.4
% Local Contract Services (5 year rolling avg.)	**90%**	**91%**	**90%**	**91%**	**92%**	**92%**

Value	5.2.2 Provide opportunities to derive benefits and participate in use and management
Objective	Integrate other uses and timber management activities
Type of VOIT	Dynamic
Indicator (GoA)	5.2.2.1 Extent of various uses
Indicator (Canfor)	5.2.1(b) Investment in local communities
Target (Canfor)	Canfor Alberta will provide financial/in-kind support to a minimum of 8 community events or services
Acceptable Variance	No variance; Canfor Alberta will provide financial/in-kind support to a minimum of 8 community events or services
Status	**Meets**

Over the course of the reporting period, Canfor has provided both financial and in-kind support to community events and services each year and has consistently exceeded its target of providing support to at least 8 community events or services annually, as demonstrated in Table 50. Some groups/events that have received financial support from Canfor over the reporting period include:

- Shock Trauma Air Rescue Service Foundation (STARS);
- Grande Prairie Regional Emergency Medical Services (GPREMS);
- QEII Hospital Foundation;
- Grande Prairie Firefighters Charity Foundation (Sparky's Wish);
- Ronald McDonald House Northern Alberta;
- Peace Valley Snow Riders;
- Clear Hills Agri-Show;
- Sexsmith and Area Christmas Hampers;
- Girl Guides of Canada;
- Duncan First Nations Elder Supper;
- Saint Lawrence Centre;
- Odyssey House;
- GP Pride Society;
- Northern Spirit of Lights Show; and
- Big Brothers Big Sisters

Some examples of the community events and services in which Canfor has provided in-kind support over the course of the reporting period include:

- Nitehawk Ski Patrol (office space and supplies);
- Arbour Day (Canfor foresters give presentations to school classrooms);
- Walk Through the Forest (hosted wildlife and harvesting booth with Canfor foresters presenting); and
- Seedling donations to the Junior Forest Ranger program.

Table 50: Number of Events that have Received Financial or In-Kind Support from Canfor Alberta

Year	# of Community Events/Services that Received Financial Support from Canfor	# of Community Events/Services that Received In-Kind Support from Canfor
2014	11	4
2015	11	6
2016	16	5
2017	16	5
2018	18	5
2019	17	4

Value	5.2.3 Forest Productivity
Objective	Maintain long run sustained yield average
Type of VOIT	Dynamic
Indicator (GoA)	5.2.3.1 Regenerated stand yield compared to natural stand yield
Indicator (Canfor)	2.2.2/5.1.1(a) % of volume harvested compared to long term harvest level
Target (Canfor)	Not to exceed 100% of the approved harvest level (AAC) over 5 years (5 year quadrant balance)
Acceptable Variance	The actual quadrant harvest volume will not exceed 5% of the allowable harvest level
Status	**Meets**

Please refer to indicator 2.2.2 for a detailed write-up of this VOIT.

Table 51: Percent of Volume Harvested

Timber Disposition	Quadrant Period	Quadrant Harvest Level (m^3)	Harvested as of April 30, 2020 (m^3)	Percent	Remaining (m^3)
FMA9900037 Canfor	May 5, 2014 - April 30, 2019	3,513,674	3,062,215	87	451,459
	May 1, 2019 - April 30, 2024	3,570,500	656,863	18	2,913,637
CTPP	May 5, 2014 - April 30, 2019	49,891	9,926	20	39,965
DTA150001 Tolko	May 1, 2013 - April 30, 2018	658,858	43,457	7	615,401
	May 1, 2018 - April 30, 2023	767,190	32,017	4	735,173
DTA150002 Tolko	May 1, 2014 - April 30, 2019	1,079,889	542,994	50	498,305
	May 1, 2019 - April 30, 2024	1,167,045	0	0	1,167,045
DTA150003 Norbord	May 1, 2013 - April 30, 2018	872,269	456,123	52	416,146
	May 1, 2018 - April 30, 2023	887115	234,284	26	652,831

11.6 CCFM Criterion 6: Society's Responsibility

The final CCFM criterion is Society's Responsibility. It states that society's responsibility for sustainable forest management requires that fair, effective forest management decisions are made.

Element 6.1: Aboriginal and Treaty Rights

Recognize and respect Aboriginal title and rights, and treaty rights. Understand and comply with current legal requirements related to Aboriginal title and rights, and treaty rights.

Value	6.1.1 Compliance with Government regulations and policies
Objective	Implement Public Involvement Program
Type of VOIT	Dynamic
Indicator (GoA)	6.1.1.1 Meet Alberta's current expectations for aboriginal consultation
Indicator (Canfor)	6.1.2 Members of local Indigenous communities will be provided ample opportunity to understand Canfor Alberta's Forest Management Plan
Target (Canfor)	Opportunity to communicate key components of the Forest Management Plan have been provided to each affected local Indigenous group
Acceptable Variance	No variance; Opportunity to communicate key components of the Forest Management Plan have been provided to each affected local Indigenous group
Status	**Meets**

Canfor initiated development of its Forest Management Plan (FMP) in 2010. The plan was submitted to GoA on May 1, 2015 for review and approval. Throughout the FMP development, Canfor contacted four Aboriginal groups (Aseniwuche Winewak Nation, Horse Lake First Nation, Sucker Creek First Nation and Sturgeon Lake Cree Nation) identified as having interest in the DFA. Canfor provided opportunities for participation with the Forest Management Advisory Committee in the development of VOITs that were in the FMP, opportunities to attend Open Houses, and made presentations and held meetings with each Aboriginal group to provide information on the FMP. As Canfor began selection of the Preferred Forest Management Scenario (PFMS), Canfor contacted each of the Aboriginal groups to present the PFMS and discuss the management assumptions that were used in the development of the scenario. *Canfor's 2015 Forest Management Plan* was approved by the Province on April 18, 2016.

Value	6.1.1 Compliance with Government regulations and policies
Objective	Implement Public Involvement Program
Type of VOIT	Dynamic
Indicator (GoA)	6.1.1.1 Meet Alberta's current expectations for aboriginal consultation
Indicator (Canfor)	6.1.3 % of forest operations in conformance with operational/site plans developed to address Indigenous forest values, traditional knowledge and uses.
Target (Canfor)	100% of forest operations are conducted in conformance with operational/site plans that have been developed to address Indigenous forest values, traditional knowledge and uses.
Acceptable Variance	No variance; all operational/site plans that have been developed to address Indigenous forest values, traditional knowledge and uses will be implemented
Status	**Meets**

Through the consultation process, there were a number of sites identified as having Aboriginal forest values, traditional knowledge and uses within operational/site plans. Table 52 provides details of the number of sites that were identified by each timber disposition holder in each timber year for the reporting period. 100% of forest operations for all disposition holders were conducted in conformance with operational/site plans that were developed to address previously identified Aboriginal forest values, traditional knowledge, and uses.

Table 52: Number of Sites Identified through First Nations Consultation with Forest Operations Adhering to Site Plans

Timber Year	Company	# of Identified Sites with Aboriginal Forest Values, Traditional Knowledge, & Uses	% of Sites That had Forest Operations Conform to Site Plans
2014	Canfor	0	100%
	Norbord	0	100%
	Tolko	0	100%
2015	Canfor	3	100%
	Norbord	0	100%
	Tolko	0	100%
2016	Canfor	0	100%
	Norbord	0	100%
	Tolko	0	100%
2017	Canfor	0	100%
	Norbord	0	100%
	Tolko	0	100%
2018	Canfor	0	100%
	Norbord	3	100%
	Tolko	4	100%
2019	Canfor	0	100%
	Norbord	1	100%
	Tolko	0	100%

Element 6.2: Respect for Aboriginal Forest Values, Knowledge, and Uses

Respect traditional Aboriginal forest values, knowledge, and uses as identified through the Indigenous consultation process.

Value	6.1.1 Compliance with Government regulations and policies
Objective	Implement Public Involvement Program
Type of VOIT	Dynamic
Indicator (GoA)	6.1.1.1 Meet Alberta's current expectations for aboriginal consultation
Indicator (Canfor)	6.2.1 % of identified historic, sacred and culturally important sites, forest values, traditional knowledge, and uses considered in the planning process
Target (Canfor)	100% of historic, sacred and culturally important sites, forest values, traditional knowledge and uses known or identified through communication are considered in forestry planning processes
Acceptable Variance	No variance; all identified sites will be considered
Status	**Meets**

Please refer to indicator 1.4.2 for a detailed write-up.

Table 53: Number of Significant Sites Identified through First Nations Consultation and Archaeological Surveys

Timber Year	Company	# of Sites Identified through FN Consultation	# of Sites Identified through Archaeological Surveys	% of Sites That Considered Traditional Knowledge/Uses In Planning Processes
2014	Canfor	0	7	100%
	Norbord	0	0	100%
	Tolko	0	0	100%
2015	Canfor	3	6	100%
	Norbord	0	0	100%
	Tolko	0	0	100%
2016	Canfor	0	13	100%
	Norbord	0	0	100%
	Tolko	0	0	100%
2017	Canfor	0	12	100%
	Norbord	0	0	100%
	Tolko	0	0	100%
2018	Canfor	0	11	100%
	Norbord	3	3	100%
	Tolko	4	0	100%
2019	Canfor	0	2	100%
	Norbord	1	10	100%
	Tolko	0	18	100%

Value	6.2.1 Meaningful public involvement is achieved
Objective	Implement public involvement program
Type of VOIT	Dynamic
Indicator (GoA)	6.2.1.1 Meet expectations of Section 5 of CSA Z809-02
Indicator (Canfor)	6.4.1 Public advisory group maintained and satisfaction survey implemented
Target (Canfor)	80% annual satisfaction from surveys in all four targets
Acceptable Variance	A minimum of 70% annual satisfaction from surveys from all 4 targets
Status	**Meets**

Each year Canfor Grande Prairie holds two Forest Management Advisory Committee (FMAC) Meetings, one in April and the other in October. The exception being in the 2019 timber year, where only one meeting was held as the April meeting was cancelled due to the COVID-19 pandemic. After each meeting, FMAC members are asked to fill out an evaluation form. Results are tallied and averaged across the two meetings to get the numbers in Table 54. Across the reporting period, the target of 80% annual satisfaction has been surpassed every year.

Table 54: Percent Satisfaction from FMAC Survey Results

Year	% Satisfaction as Recorded from FMAC Evaluation Form
2014	96%
2015	97%
2016	88.5%
2017	98%
2018	97%
2019	91%

Value	6.2.1 Meaningful public involvement is achieved
Objective	Implement public involvement program
Type of VOIT	Dynamic
Indicator (GoA)	6.2.1.1 Meet expectations of Section 5 of CSA Z809-02
Indicator (Canfor)	6.4.2 Number of educational opportunities for information/training/ capacity building that area delivered to the public advisory group annually
Target (Canfor)	Provide 1 educational opportunity per Forest Management Advisory Committee meeting, plus one field tour opportunity per year
Acceptable Variance	No variance; opportunities will be provided
Status	**Meets**

Every year Canfor strives to provide at least one educational opportunity across the two FMAC meetings. This typically involves having a guest speaker present on a topic related to Canfor's forest operations. For example, previous years have included speakers from Ducks Unlimited Canada to discuss the importance of wetlands and forest management, the National Council for Air and Stream Improvement (NCASI) to discuss their Caribou Nutrition Project and the Migratory Bird Convention Act, and Dr. Uldis Silins of the University of Alberta to discuss shifting climates, fires, and forestry in Alberta, to name a few.

Additionally, Canfor aims to offer at least one field tour opportunity to their FMAC each year. Examples of field tours from past years include a tour of the Canfor Sawmill and Green Energy plant, a visit to the HASOC tree orchard, and tour of the Ecosystem-based Management Emulating Natural Disturbance (EMEND) site, which Canfor is a sponsor of. Table 55 provides a summary of the number of educational and field opportunities provided to the FMAC each year.

Table 55: Number of Educational and Field Opportunities Provided to the FMAC

Year	# of Educational Opportunities Provided to the FMAC	# of Field Opportunities Provided to the FMAC
2014	1	1
2015	1	1
2016	3	1
2017	1	2
2018	2	1
2019	2	1

Value	6.2.1 Meaningful public involvement is achieved
Objective	Implement public involvement program
Type of VOIT	Dynamic
Indicator (GoA)	6.2.1.1 Meet expectations of Section 5 of CSA Z809-02
Indicator (Canfor)	6.5.1 The number of educational opportunities provided to the community
Target (Canfor)	A minimum of 5 educational opportunities provided to the community annual
Acceptable Variance	No variance; at least 5 opportunities will be provided annually
Status	**Meets**

Every year, Canfor Alberta aims to provide no less than five educational opportunities to the public. Canfor has consistently exceeded this goal, participating in education outreach initiatives such as:

- The Grande Prairie and Area Environmental Sciences Education Society;
- Arbour Day;
- Walk Through the Forest presentations to local schools;
- An active Forest Management Advisory Committee (3 opportunities per year);
- Public Open Houses (1-2 opportunities per year);
- Tours with the Junior Forest Rangers;
- Sand on Smoky; and
- Participating as guest lecturers and providing a tour to the students of the University of Alberta's SMO 470 class; amongst others.

Norbord has also participated in educational outreach activities such as:

- Public Advisory Committee Meetings;
- The Grande Prairie and Area Environmental Sciences Education Society;
- Arbour Day;
- Walk Through the Forest presentations to local schools;
- Public Open Houses;
- The Aboriginal Job Shadow program; as well as
- Created pamphlets to help educate the public on their operations.

Additionally, in 2018, Canfor, Norbord and Tolko collectively took part in an education outreach session in Sturgeon Lake. Table 56 provides a summary of the number of educational outreach opportunities provided by each company between May 1, 2014 and April 30, 2020.

Table 56: Number of Educational Outreach Opportunities Provided Annually to the Public

Year	Company	# of Opportunities Provided
2014	Canfor	10
	Norbord	9
	Tolko	0
2015	Canfor	10
	Norbord	9
	Tolko	0
2016	Canfor	9
	Norbord	9
	Tolko	0
2017	Canfor	7
	Norbord	8
	Tolko	0
2018	Canfor	8
	Norbord	8
	Tolko	1
2019	Canfor	8
	Norbord	8
	Tolko	0

Value	6.2.1 Meaningful public involvement is achieved
Objective	Implement public involvement program
Type of VOIT	Dynamic
Indicator (GoA)	6.2.1.1 Meet expectations of Section 5 of CSA Z809-02
Indicator (Canfor)	6.4.3 Number of opportunities for information/training/capacity development that are delivered to the Indigenous communities annually
Target (Canfor)	Greater than or equal to 1 Indigenous information/training/capacity development opportunity per year
Acceptable Variance	No variance; greater than or equal to 1 Indigenous information/training/capacity development opportunity per year
Status	**Meets**

In addition to educational outreach opportunities, Canfor aims to provide at least one opportunity specifically for Indigenous information/training/capacity development each year. Over the course of the reporting period, Canfor has exceeded this goal and provided opportunities such as:

- FMAC tours to the EMEND site;
- FMAC tours of Canfor's harvesting operations;
- FMAC meeting educational presentations;
- Trapper rendezvous events;
- Trips to Communities to give presentations on Canfor's operations (ex: Sturgeon Lake, April 2019); and
- FMA tours, the most recent with East Prairie Metis Settlement in July 2019, which included an herbicide review (Figure 18).

The number of training opportunities Canfor has provided to Indigenous communities in each year can be found in Table 57.

Figure 18: Canfor's FMA tour with East Prairie Metis Settlement

Table 57: Number of Educational Opportunities Provided to Indigenous Groups Annually

Year	# of Training Opportunities Provided to Indigenous Communities
2014	3
2015	3
2016	2
2017	3
2018	4
2019	7

11.7 Additional Canfor VOITs not in Annex 4 of the Alberta Forest Management Planning Standard

CSA Core Indicator	1.1.2 Forest area by type or species composition
Indicator (Canfor)	1.1.2 Percent distribution of forest type (treed conifer, treed broadleaf, treed mixed) > 20 years old across the DFA
Target (Canfor)	Maintain the current baseline percent distribution of forest types (treed conifer, treed broadleaf, treed mixed) > 20 years old into the future
Variance	+/- 5% of the baseline percent for all three forest types
Status	**Pending**

Over the course of the reporting period, the area of treed conifer and treed mixed has shown a trend toward the ten year targets set out in the PFMS, as shown in Table 58. The area of treed broad leaf has declined since the beginning of the reporting period, but as the forest continues to grow it is anticipated that this number will rise. This indicator will continue to be monitored over the course of the next five years in order to assess if the percentage of each area is trending toward the 10 year targets and will be reported on again during the second iteration of Canfor's Stewardship Report.

Table 58: Area of the DFA by Forest Type > 20 Years

Timber Year	Treed Conifer (%)	Treed Broad Leaf (%)	Treed Mixed (%)
2014	34%	12%	54%
2019	34%	12%	55%
10 Year	36%	12%	53%

CSA Core Indicator	5.2.2 Level of investment in training and skills development
Indicator (Canfor)	5.2.2 Training in environmental and safety procedures in compliance with company training plans
Target (Canfor)	100% of Canfor Alberta employees and contractors have required environmental and safety training
Variance	No variance; 100% of Canfor Alberta employees and all DFA-related contractors have required environmental and safety training
Status	**Meets**

Canfor records show that from May 1, 2014 to April 30, 2020, 100% of Canfor Grande Prairie employees and 100% of DFA-related contractors have received the required environmental and safety training as outlined by company training procedures.

CSA Core Indicator	5.2.3 Level of direct and indirect employment
Indicator (Canfor)	5.2.3 Level of direct and indirect employment
Target (Canfor)	Report annually on trend of Canfor Alberta's level of direct and indirect jobs created from the DFA
Variance	No variance; report annually on trend of Canfor Alberta's level of direct and indirect jobs created from the Defined Forest Area
Status	**Meets**

Canfor contributes to direct and indirect employment within the local region and to sustainable harvesting by adhering to their apportioned harvest volume within the DFA. Organizations that harvest at sustainable harvest levels in relations to the allocated supply levels continue to provide direct and indirect employment opportunities.

While employment levels have been declining in many manufacturing industries, including the forest industry, there remains a strong relationship between direct and indirect employment and annual harvest levels. Canfor's production volume continues to be at or near the annual allowable cut level, therefore direct and indirect employment levels are stable[5].

Natural Resources Canada statistical data (http://cfs.nrcan.gc.ca/statsprofile) indicates that between 2014 and 2017 approximately 4.1 direct and indirect jobs are created per 1000m^3 of harvest. The coniferous AAC for the DFA is 714,100m^3; therefore, using a multiplier of 4.1 jobs per 1000m^3, the potential level of direct and indirect employment is 2,928 jobs. As per *The State of Canada's Forests: Annual Report 2019* (Natural Resources Canada, 2020), 2018 and 2019 had a multiplier of 1.9 jobs per 1000m^3, which is reflected in Table 59.

Table 59: Production Volume and Associated Direct/Indirect Employment

Year	Production Volume (m^3)	Employment
Potential	714,100	2,928
2014	385,281	1,580
2015	724,699	2,971
2016	602,724	2,471
2017	714,361	2,929
2018	670,800	1,295
2019	622,106	1,201

[5] Production volume in Table 59 is based on calendar year production.

CSA Core Indicator	5.2.4 Level of Aboriginal participation in the forest economy
Indicator (Canfor)	5.2.4 Opportunities for Aboriginal communities and contractors to participate in the forest economy
Target (Canfor)	Maintain evidence that opportunities have been provided
Variance	No variance
Status	**Meets**

Canfor acknowledges that the development of natural resources in the local area should accrue benefits for local communities. These include economic opportunities such as employment, contracts, or a provision of services. In 2017 and 2019 Canfor awarded a contract to a local Indigenous corporation to complete brushing work along road right of ways and intersections. An opportunity for brush pile burning was discussed with a local Indigenous community member, however the contract was not able to be initiated.

During consultation discussions, Canfor verbally relays that the company is actively hiring as an employer in a multitude of positions. Contact information is provided to Indigenous communities with respect to the current application process.

Canfor also continues to aid in funding economic opportunities through projects or events such as:

- The Foothills Landscape Management Forum (FLMF) as a funding partner for the Caribou Patrol Program in which members of a local Aboriginal Community are hired to:
    - Reduce the potential of vehicle collisions with woodland caribou
    - Enhanced awareness of caribou management through education and outreach initiatives for three specific user groups, the public, industry and students; and
    - Collect data on wildlife sightings
- Participation in a culture camp where employees of Canfor partake in a 3 day event hosted by a local Indigenous Community in which they educate participants on their traditional values and way of life
- Participation in cultural events held by local Indigenous communities

CSA Core Indicator	6.1.1 Evidence of a good understanding of the nature of Aboriginal title and rights
Indicator (Canfor)	6.1.1 Canfor Alberta Woodlands employees will receive Aboriginal awareness training
Target (Canfor)	100% of Canfor Alberta Forestry Supervisors, Coordinators, Superintendents, and the Operations Manager will receive credible and effective Aboriginal awareness training once every two years
Variance	A minimum of 75% of Canfor Alberta Woodlands Staff receives a minimum of one credible and effective Aboriginal Training session every two years
Status	**Does Not Meet**

It is important that Canfor employees are provided credible, effective, and knowledgeable Aboriginal training opportunities in order to achieve a better understanding of the local Aboriginal values, titles, and rights as well as to have a better understanding of how to build foundational relationships with the local Aboriginal communities.

Through the years, Canfor staff have participated in multiple Aboriginal awareness training opportunities. Aseniwuche Winewak Nation (AWN) hosts a three day cultural camp, in which several Canfor staff attend annually. In 2019, Canfor Grande Prairie staff also attended in-depth Aboriginal Awareness Training provided by Canfor, the grand opening of the AWN building in Grande Cache, as well as attended the Indigenous Consultation and Forestry: Finding Common Ground and Learning from Indigenous Knowledge' Conference in November 2019. Although the percentages shown in Table 60 currently do not meet the target, Canfor continues to reach out to local Aboriginal communities to inquire about future Aboriginal awareness training opportunities.

Table 60: Percentage of Canfor Woodlands Staff with Credible and Effective Aboriginal Awareness Training

Timber Year	Percentage of Woodlands Staff with Credible and Effective Aboriginal Awareness Training
2014	76%
2015	33%
2016	50%
2017	31%
2018	16%
2019	58%

CSA Core Indicator	6.3.1 Evidence that the organization has co-operated with other forest-dependent businesses, forest users, and the local community to strengthen and diversify the local economy
Indicator (Canfor)	6.3.1 Relationships with other forest businesses and users
Target (Canfor)	Evidence of minimum of 4 relationships with forest products businesses annually within the vicinity of the DFA
Variance	No variance; Canfor Alberta will maintain a minimum of four relationships with other forest products businesses
Status	**Meets**

Across the reporting period, Canfor has actively initiated and participated in direct relationships with at least six forest products businesses within the vicinity of the DFA every timber year. These relationships have remained relatively consistent over the past six years. In 2018 and 2019 timber years three additional relationships were added, as shown in Table 61. Activities with other companies have ranged from fiber purchase and sales agreements to benchmarking and industry development meetings.

Table 61: Relationships with Forest Products Businesses

Timber Year	Forest Industry User	Evidence of Relationship	Total # Relationships
2014	Norbord Inc.	Incidental agreements	6
	DMI	Quarterly operations meetings	
	Tolko	Consultation on AOP/GDP	
	Weyerhaeuser	Pulp/sawlog agreements	
	Manning Diversified	Log purchase agreements	
	Millar Western	Benchmarking activities	
2015	Norbord Inc.	Incidental agreements	6
	DMI	Quarterly operations meetings	
	Tolko	Consultation on AOP/GDP	
	Weyerhaeuser	Pulp/sawlog agreements	
	Manning Diversified	Log purchase agreements	
	Millar Western	Benchmarking activities	
2016	Norbord Inc.	Fiber agreements/consultation on AOP/GDP	6
	DMI	Fiber agreements/operational meetings	
	Tolko	Consultation on AOP/GDP	
	Weyerhaeuser	Fiber agreements	
	International Paper	Fiber agreements	
	Millar Western	Fiber agreements	

Timber Year	Forest Industry User	Evidence of Relationship	Total # Relationships
2017	Norbord Inc.	Fiber agreements/consultation on AOP/GDP	6
	DMI	Fiber agreements/operational meetings	
	Tolko	Consultation on AOP/GDP	
	Weyerhaeuser	Fiber agreements	
	International Paper	Fiber agreements	
	Millar Western	Fiber agreements	
2018	Norbord Inc.	Fiber agreements/consultation on AOP/GDP	9
	Mercer	Fiber agreements/operational meetings	
	Tolko	Consultation on AOP/GDP	
	Boucher Bros	Fiber agreements	
	Weyerhaeuser	Fiber agreements	
	International Paper	Fiber agreements	
	Foothills Forest Products	Fiber agreements	
	Crestview Sawmill	Fiber agreements	
	Millar Western	Operational meetings	
2019	Norbord Inc.	Fiber agreements/consultation on AOP/GDP	9
	Mercer	Fiber agreements/operational meetings	
	Tolko	Consultation on AOP/GDP	
	Boucher Bros	Fiber agreements	
	Weyerhaeuser	Fiber agreements	
	International Paper	Fiber agreements	
	Foothills Forest Products	Fiber agreements	
	Crestview Sawmill	Fiber agreements	
	Millar Western	Operational meetings	

CSA Core Indicator	6.3.2 Evidence of co-operation with DFA-related workers and their unions to improve and enhance safety standards, procedures and outcomes in all DFA-related workplaces and affected communities
Indicator (Canfor)	6.3.2 Implementation and maintenance of a certified safety program
Target (Canfor)	100% of Canfor Alberta and eligible DFA-related contractors will obtain and maintain a Certificate of Recognition (COR) or equivalent
Variance	90% of Canfor and contractors will have COR certification or equivalent
Status	**Meets**

A condition of employment with Canfor Grande Prairie is that contractors must have a Certificate of Recognition (COR) or equivalent. Table 62 outlines the percentage of contractors currently working for Canfor Grande Prairie that have this certification. Contractors that do not have their COR certification, are required to get their COR certification in order to maintain contract work.

Table 62: Percentage of Canfor Grande Prairie Contractors with COR or Equivalent

Timber Year	% of Canfor Alberta Contractors with COR Certification or Equivalent
2014	91%
2015	94%
2016	97%
2017	92%
2018	100%
2019	96%

CSA Core Indicator	6.3.3 Evidence that a worker safety program has been implemented and is periodically reviewed and improved
Indicator (Canfor)	6.3.3 Implementation and maintenance of a certified safety program
Target (Canfor)	100% of recommendations from Partners in Injury Reduction (PIR) audits will be addressed and action plans developed
Variance	No variance; Canfor will address all issues in the review of the safety program
Status	**Meets**

Partners in Injury Reduction (PIR) audits are conducted annually at the Canfor Grande Prairie operation. These audits evaluate the Woodlands and Mill safety performance across 13 different elements, including:

- Leadership Commitment;
- Hazard Assessment;
- Hazard Control;
- Training of Workers;
- Supervision of Workers;
- Regular Inspection and Monitoring;
- Hazardous Materials and Substances;
- Medical Examinations and Health Monitoring;
- Emergency Response;
- Investigation of Accidents/Incidents and Occupational Diseases;
- Joint Occupational Health and Safety Committee;
- Records and Statistics; and
- Program Review.

Over the course of the reporting period, a number of suggestions for improvement have been made through the audit each year. As shown in Table 63, 100% of all suggestions for improvement have been addressed through the development of action plans to help implement the suggestions into Canfor's operations.

Table 63: Number of Suggestions Made from Annual PIR Audits

Timber Year	# of Suggestions for Improvement Relevant to FMG Practices from PIR Audit	% of Suggestions with Action Plans Implemented to Address Them
2014	1	100%
2015	9	100%
2016	9	100%
2017	8	100%
2018	3	100%
2019	3	100%

CSA Core Indicator	6.5.2 Availability of summary information on issues of concern to the public
Indicator (Canfor)	6.5.2 (a) CSA Z809-08 Sustainable Forest Management monitoring report made available to the public annually
Target (Canfor)	CSA Z809-08 Sustainable Forest Management Plan and Annual Performance Monitoring Report made available to the public annually on Canfor's external website
Variance	No variance; the SFMP and the APMR will be available digitally on Canfor's external website
Status	**Meets**

The Canfor Grande Prairie DFA was certified under the Canadian Standards Association (CSA) Sustainable Forest Management (SFM) standard from 2008 until 2018. Under this standard, Canfor was required to submit Annual Performance Monitoring Reports (APMRs) which reported on annual performance to the VOITs. These APMRs are still available to the public on Canfor's website. Canfor transitioned from the CSA Z809-08 standard to the Sustainable Forestry Initiative (SFI) SFM and Fibre Sourcing Standard in 2018. Divisional APMRs are not required under this certification scheme. Since 2011, Canfor has made its corporate Sustainability Report available to the public, all of which can be accessed at the links provided in Table 64.

Table 64: Publicly Available Reports on Canfor's Operations

Year	Document Type	Link to Publicly Available Report
2014	APMR	http://www.canfor.com/docs/defaultsource/responsibility/2014_annual_performance_monitoring_report_july_24_2015.pdf?sfvrsn=2
2015	APMR	https://www.canfor.com/docs/default-source/responsibility/2015_annual_performance_monitoring_report_june_16_2016_final.pdf?sfvrsn=2
2016	APMR	https://www.canfor.com/docs/default-source/responsibility/2016_annualperformancemonitoringreport_final_june28_2017.pdf?sfvrsn=33ffeb91_2
2017	APMR	https://www.canfor.com/docs/default-source/responsibility/2017_annual_performance_monitoring_report_june_8_2018.pdf?sfvrsn=2ac4ed91_2
2017	SFMP	https://www.canfor.com/docs/default-source/responsibility/z809-16_final_sfmp_apr_2018.pdf?sfvrsn=87d2ed91_2
2011-2019	Corporate Sustainability Report	https://www.canfor.com/responsibility/sustainabilityreports

CSA Core Indicator	6.5.2 Availability of summary information on issues of concern to the public
Indicator (Canfor)	6.5.2 (b) Percentage of public inquiries that receive an initial contact
Target (Canfor)	100% of all inquiries receive initial contact within one month of receipt
Variance	90% of public inquiries will generate a response within one month
Status	**Meets**

Over the course of the reporting period, Canfor Grande Prairie received four public inquiries, which all received an initial response within one month of receipt. Table 65 shows the breakdown for when all inquiries were received.

Table 65: Number of Inquiries Received by the Public

Timber Year	# of Public Inquiries Received	% of Inquiries that Received a Response Within 1 Month
2014	0	100%
2015	0	100%
2016	2	100%
2017	1	100%
2018	1	100%
2019	0	100%

BIBLIOGRAPHY

Alberta Sustainable Resource Development (ASRD). 2006. *Alberta Forest Management Planning Standard*. Version 4.1, April 2006. Public Lands and Forests Division, Forest Management Branch. Edmonton, Alberta.

Alberta Sustainable Resource Development (ASRD). 2007. *Interpretive Bulletin: Planning Mountain Pine Beetle Response Operations.* Version 2.6, January 2007. Edmonton, Alberta.

Alberta Sustainable Resource Development (ASRD). 2009. *Alberta Forest Genetic Resource Management and Conservation Standards*. Second Revision of STIA. May 1, 2009. Forestry Division. Edmonton, Alberta.

Canadian Standards Association (CSA). 2008. *CAN/CSA-Z809-08 Sustainable Forest Management.* Mississauga, Ontario.

Canfor (Canadian Forest Products Ltd.). 2005. *Canfor's Sustainable Forest Management Plan CAN/CSA Z809-02.* Canfor Alberta Division. Grande Prairie, Alberta.

Canfor (Canadian Forest Products Ltd.). 2009. *Healthy Pine Strategy: Amendment for Canfor's 2003 Detailed Forest Management Plan.* Canfor Alberta Division. Grande Prairie, Alberta

Canfor (Canadian Forest Products Ltd.). 2011. *Canfor_Common_Indicator_Matrix.* Prince George, British Columbia.

Canfor (Canadian Forest Products Ltd.). 2015a. *Canfor's 2015 Forest Management Plan.* May 1, 2015, Revised November 30, 2015. Canfor Alberta Division. Grande Prairie, Alberta.

Canfor (Canadian Forest Products Ltd.). 2015b. *2012 Sustainable Forest Management Plan.* August 2012, Revised November 2015. Canfor Alberta Division. Grande Prairie, Alberta.

Canfor (Canadian Forest Products Ltd.). 2015c. *Canadian Forest Products Ltd. Reforestation Strategy: Canfor FMA 9900037 2015 Forest Management Plan* (April 3rd, 2015). Canfor Alberta Division. Grande Prairie, Alberta.

Canfor (Canadian Forest Products Ltd.). 2016. *Canadian Forest Products Ltd. FMA 9900037 Operating Ground Rules* (June 22nd, 2016). Canfor Alberta Division. Grande Prairie, Alberta.

Canfor (Canadian Forest Products Ltd.) 2017. *2015 Forest Management Plan Growth and Yield Program* (April 29, 2017). Canfor Alberta Division. Grande Prairie, Alberta.

Environment Canada. 2011. *Recovery Strategy for the Woodland Caribou, Boreal population (*Rangifer tarandus caribou*) in Canada* [Proposed]. Species at Risk Act Recovery Strategy Series. Environment Canada, Ottawa. vi + 55 pp.

Government of Alberta (GoA). 2016. *Forest Management Plan Approval Decision: Forest Management Unit G15 Canadian Forest Products Ltd. Grande Prairie, Alberta* (April 18th, 2016). Alberta Agriculture and Forestry, Forest Management Branch.

Government of Alberta (GoA). 2017. *Forest Management Planning Standard Interpretive Bulletin: Stewardship Reporting Requirements* (June 15, 2017). Edmonton, Alberta.

Government of Alberta (GoA). 2018. *Reforestation Standard of Alberta* (Effective: 1 May, 2018). Alberta Agriculture and Forestry. Forestry Division, Forest Management Branch. Edmonton, Alberta.

Latham, A. David M., C.M. Latham, M.S. Boyce, and S. Boutin. 2011. *Movement responses by wolves to industrial linear features and their effect on woodland caribou in northeastern Alberta.* Ecological Applications, 21(8). 2011. Pp. 2854-2865. Department of Biological Sciences, University of Alberta. Edmonton, Alberta.

Natural Resources Canada. 2014. *The State of Canada's Forests: Annual Report 2013.* Natural Resources Canada, Canadian Forest Service. Ottawa, Ontario.

Natural Resources Canada. 2020. *The State of Canada's Forests: Annual Report 2019*. Natural Resources Canada, Canadian Forest Service. Ottawa, Ontario.

APPENDIX 1: Equivalent Clearcut Area by Watershed

Risk Level	ECA %
Low	0 to 30
Moderate	30 to 50
High	>50

Watershed #	ECA (%) By Reporting Period		
	2014	2019	10 Year
0	8%	9%	8%
1	1%	0%	1%
2	0%	0%	1%
3	0%	0%	0%
4	6%	9%	9%
5	0%	0%	0%
6	18%	17%	16%
7	2%	3%	4%
8	1%	1%	1%
9	3%	2%	2%
10	14%	13%	15%
11	2%	2%	2%
12	8%	7%	7%
13	7%	7%	6%
14	12%	12%	12%
15	15%	14%	15%
16	26%	25%	21%
17	0%	0%	6%
18	11%	10%	10%
19	0%	0%	0%
20	13%	13%	13%
21	8%	7%	7%
22	7%	7%	8%
23	21%	24%	28%
24	16%	14%	15%
25	9%	9%	14%
26	8%	6%	5%
27	16%	13%	10%
28	11%	10%	14%
29	17%	15%	18%
30	12%	10%	16%
31	6%	6%	6%
32	8%	6%	12%
33	11%	9%	8%
34	29%	21%	17%
35	21%	17%	14%
36	47%	46%	45%
37	29%	28%	28%
38	5%	3%	3%
39	22%	19%	19%
40	21%	18%	18%
41	40%	38%	35%
42	11%	9%	9%
43	37%	37%	39%

Watershed #	ECA (%) By Reporting Period		
	2014	2019	10 Year
44	31%	32%	32%
45	19%	17%	15%
46	7%	15%	16%
47	14%	16%	11%
48	16%	26%	26%
49	14%	13%	13%
50	25%	24%	22%
51	1%	0%	0%
52	24%	22%	22%
53	20%	33%	31%
54	11%	11%	7%
55	35%	39%	40%
56	27%	38%	38%
57	20%	27%	34%
58	10%	8%	6%
59	1%	1%	11%
60	11%	10%	18%
61	14%	15%	18%
62	2%	2%	6%
63	16%	19%	30%
64	1%	1%	10%
65	28%	34%	39%
66	16%	23%	38%
67	0%	0%	0%
68	15%	15%	50%
69	19%	36%	48%
70	23%	34%	29%
71	16%	15%	13%
72	14%	14%	13%
73	15%	14%	14%
74	16%	18%	16%
75	34%	33%	31%
76	42%	42%	41%
77	2%	2%	2%
78	1%	0%	0%
79	4%	2%	2%
80	19%	13%	14%
81	18%	14%	8%
82	3%	1%	0%
83	7%	5%	5%
84	1%	0%	0%
85	4%	2%	2%
87	11%	10%	9%
88	11%	13%	17%
89	9%	9%	8%

APPENDIX 2: Spatial Harvest Sequence Variance Tables

BOLT-1

Harvest Profile								As-Built											
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	bolt-1	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-1	r0_02	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-1	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-1	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-1	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-1	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-1	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-1	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-1	r0_08	C-PL	87	87	-	-	86	0	223	2	7	319	233	1	0	267%	231	231
	bolt-1	r0_09	CD-PLHW	32	32	-	-	32	-	17	0	0	48	17	0	0	53%	17	17
	bolt-1	r0_10	C-PL	2	2	-	-	2	-	15	0	0	16	15	0	-	798%	14	14
	bolt-1	r0_11	C-PL	41	41	-	-	40	-	170	3	4	217	177	1	0	430%	176	176
	bolt-1	r0_11	C-SW	18	18	-	-	18	0	31	0	2	51	34	0	0	182%	33	33
	bolt-1	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-1	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-1	r0_14	C-SB	-	-	-	-	-	-	13	0	1	14	14	-	-	100%	14	14
	bolt-1	r0_15	C-SW	4	4	-	-	4	0	18	0	0	22	18	0	0	445%	18	18
	bolt-1	r0_16	C-SW	1	1	-	-	1	-	8	-	-	9	8	0	0	980%	8	8
	bolt-1	r0_17	CD-SXHW	14	14	-	-	14	-	9	0	0	24	10	0	0	69%	9	10
	bolt-1	r0_99	n/a	-	-	-	-	-	-	-	-	5	5	5	-	-	100%	5	5
	bolt-1	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
bolt-1 Total	-	-	-	200	200	-	-	195	1	504	7	19	725	530	4	1	266%	525	526

BOLT-2

Harvest Profile								As-Built											
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	bolt-2	r0_01	D-HW	3	-	3	-	0	-	-	-	0	0	0	2	1	6%	(3)	(3)
	bolt-2	r0_02	D-HW	3	-	3	-	0	-	-	2	-	2	2	0	3	62%	(1)	(1)
	bolt-2	r0_03	DC-HWSX	-	-	-	-	-	15	0	2	0	17	17	-	-	100%	17	17
	bolt-2	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-2	r0_05	C-SW	33	33	-	-	24	9	2	-	0	36	11	1	8	34%	3	3
	bolt-2	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	1	-	1	1	-	-	100%	1	1
	bolt-2	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	0	0	0	-	-	100%	0	0
	bolt-2	r0_07	D-HW	1	-	1	-	0	-	-	-	-	0	-	0	1	0%	(1)	(1)
	bolt-2	r0_08	C-PL	907	907	-	-	589	111	75	0	43	818	229	82	236	25%	(89)	(89)
	bolt-2	r0_09	CD-PLHW	356	356	-	-	158	19	25	-	9	210	52	34	164	15%	(146)	(145)
	bolt-2	r0_10	C-PL	130	130	-	-	80	36	6	0	4	125	46	14	36	35%	(4)	(4)
	bolt-2	r0_11	C-PL	339	339	-	-	202	29	24	0	18	274	72	53	83	21%	(65)	(64)
	bolt-2	r0_11	C-SW	177	177	-	-	75	34	16	-	2	127	53	32	70	30%	(50)	(49)
	bolt-2	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-2	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-2	r0_14	C-SB	-	-	-	-	-	-	0	0	-	0	0	-	-	100%	0	0
	bolt-2	r0_15	C-SW	82	82	-	-	23	21	3	-	1	47	25	19	41	30%	(35)	(35)
	bolt-2	r0_16	C-SW	48	48	-	-	24	2	0	-	1	26	3	7	18	6%	(22)	(22)
	bolt-2	r0_17	CD-SXHW	4	4	-	-	-	11	9	-	1	21	21	-	4	486%	17	17
	bolt-2	r0_99	n/a	-	-	-	-	-	-	-	-	7	7	7	-	-	100%	7	7
	bolt-2	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
bolt-2 Total	-	-	-	2,083	2,075	8	-	1,174	287	160	5	86	1,713	539	246	664	26%	(371)	(371)

BOLT-3

Harvest Profile								As-Built													
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	bolt-3	r0_01	D-HW	4	-	4	-	3	-	-	-	0	4	0	-	0	12%	0	0
	bolt-3	r0_02	D-HW	9	-	9	-	1	1	-	0	0	2	1	-	8	11%	(7)	(7)
	bolt-3	r0_03	DC-HWSX	5	5	-	-	1	0	0	-	-	2	0	0	3	10%	(3)	(3)
	bolt-3	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-3	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-3	r0_06_cd	CD-SXHW	1	1	-	-	1	0	0	-	-	1	1	-	-	92%	1	1
	bolt-3	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-3	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-3	r0_08	C-PL	264	264	-	-	241	2	4	2	16	265	24	2	21	9%	0	1
	bolt-3	r0_09	CD-PLHW	20	20	-	-	13	0	0	-	0	15	1	0	6	6%	(5)	(5)
	bolt-3	r0_10	C-PL	42	42	-	-	34	0	1	-	1	36	2	1	8	5%	(7)	(7)
	bolt-3	r0_11	C-PL	121	121	-	-	109	2	2	0	3	117	7	0	12	6%	(4)	(4)
	bolt-3	r0_11	C-SW	49	49	-	-	40	2	1	-	1	44	4	0	9	8%	(6)	(6)
	bolt-3	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-3	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-3	r0_14	C-SB	4	4	-	-	2	-	0	1	-	4	2	0	2	39%	(0)	(0)
	bolt-3	r0_15	C-SW	62	62	-	-	52	3	3	-	1	59	7	0	10	11%	(4)	(4)
	bolt-3	r0_16	C-SW	31	31	-	-	27	1	1	-	0	29	2	-	4	6%	(3)	(3)
	bolt-3	r0_17	CD-SXHW	15	15	-	-	13	1	1	-	0	15	2	0	2	12%	(0)	(0)
	bolt-3	r0_99	n/a	-	-	-	-	-	-	0	-	4	4	4	-	-	100%	4	4
	bolt-3	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
bolt-3 Total	-	-	-	627	614	13	-	538	12	14	4	27	594	56	3	87	9%	(33)	(33)

BOLT-4

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	bolt-4	r0_01	D-HW	4	-	4	-	-	-	-	-	-	-	-	-	-	0%	-	(4)
	bolt-4	r0_02	D-HW	30	-	30	-	-	-	-	-	-	-	-	-	-	0%	-	(30)
	bolt-4	r0_03	DC-HWSX	4	4	-	-	-	-	-	-	-	-	-	-	-	0%	-	(4)
	bolt-4	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-4	r0_05	C-SW	10	10	-	-	-	-	-	-	-	-	-	-	-	0%	-	(10)
	bolt-4	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-4	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-4	r0_07	D-HW	1	-	1	-	-	-	-	-	-	-	-	-	-	0%	-	(1)
	bolt-4	r0_08	C-PL	835	835	-	-	-	-	-	-	-	-	-	-	-	0%	-	(835)
	bolt-4	r0_09	CD-PLHW	118	118	-	-	-	-	-	-	-	-	-	-	-	0%	-	(118)
	bolt-4	r0_10	C-PL	120	120	-	-	-	-	-	-	-	-	-	-	-	0%	-	(120)
	bolt-4	r0_11	C-PL	261	261	-	-	-	-	-	-	-	-	-	-	-	0%	-	(261)
	bolt-4	r0_11	C-SW	137	137	-	-	-	-	-	-	-	-	-	-	-	0%	-	(137)
	bolt-4	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-4	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-4	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-4	r0_15	C-SW	183	183	-	-	-	-	-	-	-	-	-	-	-	0%	-	(183)
	bolt-4	r0_16	C-SW	24	24	-	-	-	-	-	-	-	-	-	-	-	0%	-	(24)
	bolt-4	r0_17	CD-SXHW	6	6	-	-	-	-	-	-	-	-	-	-	-	0%	-	(6)
	bolt-4	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-4	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
bolt-4 Total	-	-	-	1,734	1,699	35	-	-	-	-	-	-	-	-	-	-	0%	-	(1,734)

BOLT-5

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	bolt-5	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-5	r0_02	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-5	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-5	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-5	r0_05	C-SW	207	207	-	-	-	-	-	-	-	-	-	27	10	0%	(37)	(207)
	bolt-5	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-5	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-5	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-5	r0_08	C-PL	325	325	-	-	-	-	-	-	-	-	-	18	6	0%	(24)	(325)
	bolt-5	r0_09	CD-PLHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-5	r0_10	C-PL	13	13	-	-	-	-	-	-	-	-	-	1	0	0%	(1)	(13)
	bolt-5	r0_11	C-PL	128	128	-	-	-	-	-	-	-	-	-	7	7	0%	(14)	(128)
	bolt-5	r0_11	C-SW	100	100	-	-	-	-	-	-	-	-	-	27	5	0%	(32)	(100)
	bolt-5	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-5	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-5	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-5	r0_15	C-SW	77	77	-	-	-	-	-	-	-	-	-	16	8	0%	(24)	(77)
	bolt-5	r0_16	C-SW	18	18	-	-	-	-	-	-	-	-	-	5	1	0%	(5)	(18)
	bolt-5	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-5	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-5	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
bolt-5 Total	-	-	-	869	869	-	-	-	-	-	-	-	-	-	100	36	0%	(136)	(869)

BOLT-6

Harvest Profile								As-Built												
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	bolt-6	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-6	r0_02	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-6	r0_03	DC-HWSX	-	-	-	-	-	-	-	0	0	0	0	-	-	100%	0	0
	bolt-6	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-6	r0_05	C-SW	35	35	-	-	14	-	-	0	2	17	2	3	15	6%	(16)	(18)
	bolt-6	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-6	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-6	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-6	r0_08	C-PL	110	110	-	-	101	-	1	1	6	110	9	3	6	8%	0	0
	bolt-6	r0_09	CD-PLHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-6	r0_10	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-6	r0_11	C-PL	57	57	-	-	47	-	-	0	2	49	2	6	4	4%	(8)	(9)
	bolt-6	r0_11	C-SW	105	105	-	-	82	-	6	0	7	96	13	15	5	12%	(7)	(10)
	bolt-6	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-6	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-6	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-6	r0_15	C-SW	66	66	-	-	29	-	6	0	2	37	8	29	8	12%	(29)	(29)
	bolt-6	r0_16	C-SW	12	12	-	-	5	-	2	0	1	8	3	5	3	25%	(5)	(5)
	bolt-6	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-6	r0_99	n/a	-	-	-	-	-	-	4	0	4	8	8	-	-	100%	8	8
	bolt-6	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
bolt-6 Total	-	-	-	386	386	-	-	278	-	19	2	24	323	45	61	41	12%	(57)	(63)

BOLT-7

Harvest Profile								As-Built												
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	bolt-7	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-7	r0_02	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-7	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-7	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-7	r0_05	C-SW	4	4	-	-	4	-	7	1	5	17	13	0	0	310%	13	13
	bolt-7	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-7	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-7	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-7	r0_08	C-PL	94	94	-	-	25	-	-	0	13	38	13	1	15	14%	(3)	(56)
	bolt-7	r0_09	CD-PLHW	0	0	-	-	-	-	-	-	-	-	-	-	0	0%	(0)	(0)
	bolt-7	r0_10	C-PL	-	-	-	-	-	-	0	-	-	0	0	-	-	100%	0	0
	bolt-7	r0_11	C-PL	32	32	-	-	14	-	0	0	2	16	3	2	13	8%	(12)	(16)
	bolt-7	r0_11	C-SW	58	58	-	-	9	-	0	-	3	13	4	3	18	6%	(17)	(45)
	bolt-7	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-7	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-7	r0_14	C-SB	-	-	-	-	-	-	0	-	-	0	0	-	-	100%	0	0
	bolt-7	r0_15	C-SW	41	41	-	-	4	-	6	0	9	19	15	2	13	37%	(0)	(22)
	bolt-7	r0_16	C-SW	0	0	-	-	-	-	3	1	4	7	7	0	-	1433920%	7	7
	bolt-7	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	bolt-7	r0_99	n/a	-	-	-	-	-	-	0	-	1	1	1	-	-	100%	1	1
	bolt-7	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
bolt-7 Total	-	-	-	229	229	-	-	56	-	17	3	36	112	56	9	59	24%	(12)	(118)

DN-1

Harvest Profile								As-Built												
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	dn-1	r0_01	D-HW	0	-	-	0	0	-	-	-	0	0	0	-	0	9%	(0)	(0)
	dn-1	r0_02	D-HW	70	-	-	70	13	-	-	0	0	14	1	-	57	1%	(57)	(57)
	dn-1	r0_03	DC-HWSX	1	1	-	-	1	0	2	1	0	5	4	-	0	256%	3	3
	dn-1	r0_04	D-HW	3	-	-	3	3	-	-	0	0	4	0	-	0	10%	0	0
	dn-1	r0_05	C-SW	-	-	-	-	-	0	0	-	-	0	0	-	-	100%	0	0
	dn-1	r0_06_cd	CD-SXHW	3	3	-	-	1	0	0	0	0	1	1	-	3	20%	(2)	(2)
	dn-1	r0_06_dc	DC-HWSX	7	7	-	-	4	-	0	5	0	9	5	-	3	74%	2	2
	dn-1	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-1	r0_08	C-PL	59	59	-	-	37	-	1	1	1	41	3	2	20	5%	(18)	(18)
	dn-1	r0_09	CD-PLHW	55	55	-	-	37	-	2	-	0	39	2	1	18	3%	(17)	(17)
	dn-1	r0_10	C-PL	60	60	-	-	39	-	2	-	0	41	3	2	18	4%	(18)	(18)
	dn-1	r0_11	C-PL	45	45	-	-	36	0	-	-	0	36	1	0	9	1%	(9)	(9)
	dn-1	r0_11	C-SW	65	65	-	-	51	0	1	-	1	53	2	0	14	3%	(12)	(12)
	dn-1	r0_12	C-SB	17	17	-	-	14	-	11	-	0	25	11	-	4	64%	7	7
	dn-1	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-1	r0_14	C-SB	91	91	-	-	79	-	26	1	0	106	27	0	11	30%	16	16
	dn-1	r0_15	C-SW	32	32	-	-	3	1	0	-	0	4	1	0	29	4%	(28)	(28)
	dn-1	r0_16	C-SW	108	108	-	-	83	1	3	0	2	89	6	1	24	6%	(18)	(18)
	dn-1	r0_17	CD-SXHW	58	58	-	-	38	3	5	-	0	45	8	0	20	13%	(12)	(12)
	dn-1	r0_99	n/a	-	-	-	-	-	-	1	0	25	26	26	-	-	100%	26	26
	dn-1	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
dn-1 Total	-	-	-	676	602	-	74	440	6	55	8	31	540	100	6	230	15%	(136)	(136)

DN-2

Harvest Profile								As-Built												
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	dn-2	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-2	r0_02	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-2	r0_03	DC-HWSX	-	-	-	-	-	-	9	0	0	10	10	-	-	100%	10	10
	dn-2	r0_04	D-HW	0	-	-	0	-	-	-	0	-	0	0	-	0	7584%	0	0
	dn-2	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-2	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	0	-	0	0	-	-	100%	0	0
	dn-2	r0_07	D-HW	-	-	-	-	-	-	1	4	-	4	4	-	-	100%	4	4
	dn-2	r0_07	D-HW	0	-	-	0	-	-	-	-	-	-	-	-	0	0%	(0)	(0)
	dn-2	r0_08	C-PL	36	36	-	-	24	-	23	-	2	49	25	3	10	69%	13	13
	dn-2	r0_09	CD-PLHW	5	5	-	-	1	-	7	-	-	8	7	-	4	144%	3	3
	dn-2	r0_10	C-PL	34	34	-	-	24	-	33	-	0	57	33	0	9	98%	23	23
	dn-2	r0_11	C-PL	35	35	-	-	18	-	7	-	0	24	7	0	17	19%	(11)	(11)
	dn-2	r0_11	C-SW	30	30	-	-	16	-	36	-	0	52	37	4	10	120%	22	22
	dn-2	r0_12	C-SB	-	-	-	-	-	-	21	0	0	21	21	-	-	100%	21	21
	dn-2	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-2	r0_14	C-SB	-	-	-	-	-	-	58	1	1	61	61	-	-	100%	61	61
	dn-2	r0_15	C-SW	34	34	-	-	14	-	20	0	0	35	21	5	15	62%	1	1
	dn-2	r0_16	C-SW	24	24	-	-	11	-	23	-	0	34	23	0	13	96%	10	10
	dn-2	r0_17	CD-SXHW	-	-	-	-	-	-	12	-	0	13	13	-	-	100%	13	13
	dn-2	r0_99	n/a	-	-	-	-	-	-	0	0	28	29	29	-	-	100%	29	29
	dn-2	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
dn-2 Total	-	-	-	198	198	-	0	107	-	251	6	33	397	290	12	79	147%	199	199

DN-3

Harvest Profile								As-Built											
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	dn-3	r0_01	D-HW	1	-	-	1	-	-	-	-	-	-	-	-	1	0%	(1)	(1)
	dn-3	r0_02	D-HW	14	-	-	14	6	-	-	13	0	19	13	1	7	95%	5	5
	dn-3	r0_03	DC-HWSX	9	9	-	-	0	-	22	13	0	35	35	-	9	365%	25	25
	dn-3	r0_04	D-HW	1	-	-	1	0	-	-	0	0	0	0	0	1	8%	(1)	(1)
	dn-3	r0_05	C-SW	1	1	-	-	-	-	3	-	-	3	3	1	-	236%	2	2
	dn-3	r0_06_cd	CD-SXHW	-	-	-	-	-	-	20	5	0	25	25	-	-	100%	25	25
	dn-3	r0_06_dc	DC-HWSX	-	-	-	-	-	-	3	19	0	22	22	-	-	100%	22	22
	dn-3	r0_07	D-HW	0	-	-	0	-	-	-	-	-	-	-	0	-	0%	(0)	(0)
	dn-3	r0_08	C-PL	271	271	-	-	213	-	64	9	2	289	76	8	50	28%	18	18
	dn-3	r0_09	CD-PLHW	127	127	-	-	98	-	32	-	0	129	32	4	26	25%	2	2
	dn-3	r0_10	C-PL	121	121	-	-	71	-	49	-	0	120	49	4	46	41%	(1)	(1)
	dn-3	r0_11	C-PL	68	68	-	-	48	-	15	-	0	63	15	1	19	22%	(5)	(5)
	dn-3	r0_11	C-SW	21	21	-	-	11	-	16	-	0	27	16	0	10	78%	6	6
	dn-3	r0_12	C-SB	-	-	-	-	-	-	12	-	0	12	12	-	0	100%	12	12
	dn-3	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-3	r0_14	C-SB	2	2	-	-	1	-	41	3	0	45	43	-	1	1967%	43	43
	dn-3	r0_15	C-SW	26	26	-	-	9	-	6	-	0	15	6	5	11	24%	(11)	(11)
	dn-3	r0_16	C-SW	161	161	-	-	60	-	58	-	0	118	58	1	99	36%	(43)	(42)
	dn-3	r0_17	CD-SXHW	1	1	-	-	0	-	17	-	0	17	17	-	1	2838%	16	16
	dn-3	r0_99	n/a	-	-	-	-	-	-	1	1	14	15	15	-	0	100%	15	15
	dn-3	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
dn-3 Total	-	-	-	823	808	-	15	518	-	358	62	17	955	438	25	281	53%	132	132

DN-4

Harvest Profile								As-Built												
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	dn-4	r0_01	D-HW	52	-	-	52	1	-	-	3	0	4	3	-	51	6%	(48)	(48)
	dn-4	r0_02	D-HW	101	-	-	101	4	0	-	6	0	11	6	0	96	6%	(90)	(90)
	dn-4	r0_03	DC-HWSX	25	25	-	-	11	4	11	1	0	27	16	2	12	64%	2	2
	dn-4	r0_04	D-HW	0	-	-	0	-	-	-	0	-	0	0	-	0	117%	0	0
	dn-4	r0_05	C-SW	58	58	-	-	6	2	1	-	0	9	3	14	32	6%	(42)	(48)
	dn-4	r0_06_cd	CD-SXHW	0	0	-	-	0	-	4	4	-	9	9	-	-	2567%	9	9
	dn-4	r0_06_dc	DC-HWSX	2	2	-	-	2	-	5	13	0	21	19	-	0	1024%	19	19
	dn-4	r0_07	D-HW	0	-	-	0	-	-	-	0	0	0	0	0	-	33051%	0	0
	dn-4	r0_08	C-PL	375	375	-	-	271	1	42	4	4	322	51	33	66	14%	(48)	(53)
	dn-4	r0_09	CD-PLHW	298	298	-	-	178	18	26	-	1	224	46	11	110	15%	(75)	(75)
	dn-4	r0_10	C-PL	205	205	-	-	137	-	55	0	2	195	58	16	53	28%	(11)	(11)
	dn-4	r0_11	C-PL	57	57	-	-	34	-	14	-	1	49	15	7	16	26%	(8)	(8)
	dn-4	r0_11	C-SW	68	68	-	-	27	-	5	-	0	32	5	7	34	8%	(35)	(36)
	dn-4	r0_12	C-SB	7	7	-	-	5	-	13	-	0	19	13	0	1	191%	12	12
	dn-4	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-4	r0_14	C-SB	13	13	-	-	12	1	37	1	1	53	41	0	0	320%	40	40
	dn-4	r0_15	C-SW	45	45	-	-	11	0	4	-	0	15	4	3	31	9%	(30)	(30)
	dn-4	r0_16	C-SW	50	50	-	-	6	0	1	-	-	8	2	6	38	3%	(42)	(42)
	dn-4	r0_17	CD-SXHW	37	37	-	-	19	32	34	-	0	85	67	0	19	179%	48	48
	dn-4	r0_99	n/a	-	-	-	-	0	-	2	1	19	22	22	0	0	100%	22	22
	dn-4	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
dn-4 Total	-	-	-	1,393	1,239	-	153	724	59	256	35	30	1,104	380	97	561	27%	(278)	(289)

DN-5

Harvest Profile								As-Built												
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	dn-5	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-5	r0_02	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-5	r0_03	DC-HWSX	-	-	-	-	-	-	0	-	-	0	0	-	-	100%	0	0
	dn-5	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-5	r0_05	C-SW	221	221	-	-	35	15	10	-	0	59	24	58	61	11%	(94)	(161)
	dn-5	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-5	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-5	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-5	r0_08	C-PL	318	318	-	-	121	2	2	-	2	127	6	40	21	2%	(54)	(191)
	dn-5	r0_09	CD-PLHW	84	84	-	-	45	-	-	-	0	45	0	10	7	0%	(17)	(39)
	dn-5	r0_10	C-PL	112	112	-	-	25	3	0	-	2	29	5	15	19	4%	(30)	(82)
	dn-5	r0_11	C-PL	126	126	-	-	10	-	2	-	0	12	2	49	15	2%	(62)	(114)
	dn-5	r0_11	C-SW	61	61	-	-	14	-	-	-	-	14	-	31	6	0%	(37)	(48)
	dn-5	r0_12	C-SB	-	-	-	-	-	-	1	-	-	1	1	-	-	100%	1	1
	dn-5	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-5	r0_14	C-SB	5	5	-	-	2	2	8	-	0	12	10	1	3	188%	7	7
	dn-5	r0_15	C-SW	43	43	-	-	10	0	6	-	-	16	6	12	4	13%	(10)	(27)
	dn-5	r0_16	C-SW	14	14	-	-	0	1	2	-	-	3	3	7	8	21%	(11)	(11)
	dn-5	r0_17	CD-SXHW	-	-	-	-	-	1	5	-	0	6	6	-	-	100%	6	6
	dn-5	r0_99	n/a	-	-	-	-	-	-	1	0	4	5	5	0	0	100%	5	5
	dn-5	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
dn-5 Total	-	-	-	985	985	-	-	261	24	37	0	8	330	69	223	143	7%	(297)	(655)

DN-6

Harvest Profile								As-Built											
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	dn-6	r0_01	D-HW	-	-	-	-	-	-	-	0	-	0	0	-	-	100%	0	0
	dn-6	r0_02	D-HW	20	-	-	20	8	-	-	1	1	10	2	3	8	9%	(10)	(10)
	dn-6	r0_03	DC-HWSX	2	2	-	-	0	-	8	-	0	8	8	2	-	417%	6	6
	dn-6	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-6	r0_05	C-SW	142	142	-	-	80	-	53	0	2	135	55	33	20	39%	2	(7)
	dn-6	r0_06_cd	CD-SXHW	-	-	-	-	-	-	2	0	0	2	2	-	-	100%	2	2
	dn-6	r0_06_dc	DC-HWSX	-	-	-	-	-	-	4	5	2	11	11	-	-	100%	11	11
	dn-6	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-6	r0_08	C-PL	586	586	-	-	428	-	103	1	10	542	114	85	23	20%	7	(43)
	dn-6	r0_09	CD-PLHW	162	162	-	-	119	-	15	1	2	136	17	20	23	11%	(26)	(26)
	dn-6	r0_10	C-PL	38	38	-	-	16	-	42	1	4	64	48	11	8	127%	29	26
	dn-6	r0_11	C-PL	90	90	-	-	43	-	6	3	2	54	11	30	16	12%	(35)	(35)
	dn-6	r0_11	C-SW	60	60	-	-	23	-	19	1	2	46	22	19	16	37%	(13)	(14)
	dn-6	r0_12	C-SB	-	-	-	-	-	-	4	-	0	4	4	-	-	100%	4	4
	dn-6	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-6	r0_14	C-SB	5	5	-	-	2	-	23	3	0	28	26	1	0	525%	25	23
	dn-6	r0_15	C-SW	99	99	-	-	46	-	16	0	1	64	17	34	19	18%	(35)	(35)
	dn-6	r0_16	C-SW	77	77	-	-	21	-	8	0	1	29	9	10	46	11%	(47)	(47)
	dn-6	r0_17	CD-SXHW	14	14	-	-	10	-	8	-	0	18	8	5	0	58%	4	4
	dn-6	r0_99	n/a	-	-	-	-	-	-	3	2	22	26	26	0	-	100%	26	26
	dn-6	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
dn-6 Total	-	-	-	1,294	1,274	-	20	796	-	315	19	49	1,179	383	252	180	30%	(49)	(115)

DN-8

Harvest Profile								As-Built												
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	dn-8	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-8	r0_02	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-8	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-8	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-8	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-8	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-8	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-8	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-8	r0_08	C-PL	398	398	-	-	0	-	-	-	-	0	-	-	0	0%	(0)	(398)
	dn-8	r0_09	CD-PLHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-8	r0_10	C-PL	173	173	-	-	0	-	-	-	-	0	-	-	-	0%	-	(173)
	dn-8	r0_11	C-PL	23	23	-	-	-	-	-	-	-	-	-	-	-	0%	-	(23)
	dn-8	r0_11	C-SW	11	11	-	-	-	-	-	-	-	-	-	-	-	0%	-	(11)
	dn-8	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-8	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-8	r0_14	C-SB	29	29	-	-	-	-	0	-	-	0	0	-	-	0%	0	(29)
	dn-8	r0_15	C-SW	4	4	-	-	-	-	-	-	-	-	-	-	-	0%	-	(4)
	dn-8	r0_16	C-SW	2	2	-	-	-	-	-	-	-	-	-	-	-	0%	-	(2)
	dn-8	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-8	r0_99	n/a	-	-	-	-	-	-	-	-	0	0	0	-	-	100%	0	0
	dn-8	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
dn-8 Total	-	-	-	641	641	-	-	0	-	0	-	0	0	0	-	0	0%	0	(640)

DN-9

Harvest Profile								As-Built												
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	dn-9	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-9	r0_02	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-9	r0_03	DC-HWSX	-	-	-	-	-	-	10	-	-	10	10	-	-	100%	10	10
	dn-9	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-9	r0_05	C-SW	1	1	-	-	0	-	1	-	0	2	2	0	0	217%	1	1
	dn-9	r0_06_cd	CD-SXHW	-	-	-	-	-	-	0	-	-	0	0	-	-	100%	0	0
	dn-9	r0_06_dc	DC-HWSX	-	-	-	-	-	-	1	-	0	1	1	-	-	100%	1	1
	dn-9	r0_07	D-HW	0	-	-	0	-	-	-	-	-	-	-	0	-	0%	(0)	(0)
	dn-9	r0_08	C-PL	507	507	-	-	350	-	92	2	8	452	102	72	25	20%	5	(55)
	dn-9	r0_09	CD-PLHW	40	40	-	-	26	-	4	1	3	34	8	13	1	20%	(6)	(6)
	dn-9	r0_10	C-PL	482	482	-	-	323	-	153	4	16	495	173	96	20	36%	57	13
	dn-9	r0_11	C-PL	120	120	-	-	83	-	8	-	3	93	10	32	5	9%	(27)	(28)
	dn-9	r0_11	C-SW	45	45	-	-	24	-	13	1	2	40	16	17	1	35%	(2)	(5)
	dn-9	r0_12	C-SB	29	29	-	-	12	-	56	-	2	71	59	6	10	205%	42	42
	dn-9	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	dn-9	r0_14	C-SB	106	106	-	-	74	-	186	1	5	266	192	14	9	181%	169	159
	dn-9	r0_15	C-SW	69	69	-	-	31	-	18	0	0	49	18	34	3	26%	(19)	(20)
	dn-9	r0_16	C-SW	59	59	-	-	40	-	8	1	3	51	11	16	3	19%	(8)	(8)
	dn-9	r0_17	CD-SXHW	-	-	-	-	-	-	4	-	0	4	4	-	-	100%	4	4
	dn-9	r0_99	n/a	-	-	-	-	-	-	2	2	56	59	59	-	-	100%	59	59
	dn-9	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
dn-9 Total	-	-	-	1,459	1,459	-	0	962	-	555	12	98	1,626	664	301	78	46%	285	166

DS-3

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	ds-3	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-3	r0_02	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-3	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-3	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-3	r0_05	C-SW	6	6	-	-	-	-	-	-	-	-	-	-	-	0%	-	(6)
	ds-3	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-3	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-3	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-3	r0_08	C-PL	968	968	-	-	-	-	-	-	-	-	-	-	-	0%	-	(968)
	ds-3	r0_09	CD-PLHW	19	19	-	-	-	-	-	-	-	-	-	-	-	0%	-	(19)
	ds-3	r0_10	C-PL	108	108	-	-	-	-	-	-	-	-	-	-	-	0%	-	(108)
	ds-3	r0_11	C-PL	197	197	-	-	-	-	-	-	-	-	-	-	-	0%	-	(197)
	ds-3	r0_11	C-SW	43	43	-	-	-	-	-	-	-	-	-	-	-	0%	-	(43)
	ds-3	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-3	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-3	r0_14	C-SB	7	7	-	-	-	-	-	-	-	-	-	-	-	0%	-	(7)
	ds-3	r0_15	C-SW	2	2	-	-	-	-	-	-	-	-	-	-	-	0%	-	(2)
	ds-3	r0_16	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-3	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-3	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-3	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
ds-3 Total	-	-	-	1,351	1,351	-	-	-	-	-	-	-	-	-	-	-	0%	-	(1,351)

DS-4

Harvest Profile								As-Built												
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	ds-4	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-4	r0_02	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-4	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-4	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-4	r0_05	C-SW	31	31	-	-	-	-	-	-	-	-	-	-	-	0%	-	(31)
	ds-4	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-4	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-4	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-4	r0_08	C-PL	146	146	-	-	-	-	-	-	-	-	-	-	-	0%	-	(146)
	ds-4	r0_09	CD-PLHW	6	6	-	-	-	-	-	-	-	-	-	-	-	0%	-	(6)
	ds-4	r0_10	C-PL	29	29	-	-	-	-	-	-	-	-	-	-	-	0%	-	(29)
	ds-4	r0_11	C-PL	43	43	-	-	-	-	-	-	-	-	-	-	-	0%	-	(43)
	ds-4	r0_11	C-SW	61	61	-	-	-	-	-	-	-	-	-	-	-	0%	-	(61)
	ds-4	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-4	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-4	r0_14	C-SB	1	1	-	-	-	-	-	-	-	-	-	-	-	0%	-	(1)
	ds-4	r0_15	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-4	r0_16	C-SW	3	3	-	-	-	-	-	-	-	-	-	-	-	0%	-	(3)
	ds-4	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-4	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-4	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
ds-4 Total	-	-	-	321	321	-	-	-	-	-	-	-	-	-	-	-	0%	-	(321)

DS-5

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	ds-5	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-5	r0_02	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-5	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-5	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-5	r0_05	C-SW	11	11	-	-	-	-	-	-	-	-	-	-	-	0%	-	(11)
	ds-5	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-5	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-5	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-5	r0_08	C-PL	872	872	-	-	-	-	-	-	-	-	-	-	-	0%	-	(872)
	ds-5	r0_09	CD-PLHW	101	101	-	-	-	-	-	-	-	-	-	-	-	0%	-	(101)
	ds-5	r0_10	C-PL	311	311	-	-	-	-	-	-	-	-	-	-	-	0%	-	(311)
	ds-5	r0_11	C-PL	192	192	-	-	-	-	-	-	-	-	-	-	-	0%	-	(192)
	ds-5	r0_11	C-SW	83	83	-	-	-	-	-	-	-	-	-	-	-	0%	-	(83)
	ds-5	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-5	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-5	r0_14	C-SB	14	14	-	-	-	-	-	-	-	-	-	-	-	0%	-	(14)
	ds-5	r0_15	C-SW	15	15	-	-	-	-	-	-	-	-	-	-	-	0%	-	(15)
	ds-5	r0_16	C-SW	2	2	-	-	-	-	-	-	-	-	-	-	-	0%	-	(2)
	ds-5	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-5	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ds-5	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
ds-5 Total	-	-	-	1,601	1,601	-	-	-	-	-	-	-	-	-	-	-	0%	-	(1,601)

EN-1

Harvest Profile								As-Built													
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	en-1	r0_01	D-HW	65	-	65	-	9	-	-	-	3	12	3	5	28	4%	(30)	(53)
	en-1	r0_02	D-HW	1,339	-	1,339	-	240	-	-	-	1	240	1	93	472	0%	(564)	(1,099)
	en-1	r0_03	DC-HWSX	43	43	-	-	38	1	13	-	-	52	14	2	3	32%	8	8
	en-1	r0_04	D-HW	3	-	3	-	-	-	-	-	0	0	0	0	-	9%	0	(3)
	en-1	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-1	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-1	r0_06_dc	DC-HWSX	-	-	-	-	-	-	9	9	0	18	18	0	-	100%	18	18
	en-1	r0_07	D-HW	73	-	73	-	0	-	-	-	0	1	0	5	14	1%	(19)	(72)
	en-1	r0_08	C-PL	56	56	-	-	36	-	28	-	0	64	28	4	15	50%	9	7
	en-1	r0_09	CD-PLHW	135	135	-	-	109	2	2	-	0	112	4	4	19	3%	(19)	(23)
	en-1	r0_10	C-PL	2	2	-	-	1	-	9	-	-	10	9	0	-	537%	9	9
	en-1	r0_11	C-PL	42	42	-	-	34	-	3	-	0	37	3	2	5	7%	(5)	(5)
	en-1	r0_11	C-SW	32	32	-	-	20	-	3	-	-	23	3	6	4	10%	(7)	(8)
	en-1	r0_12	C-SB	7	7	-	-	-	-	2	-	-	2	2	-	7	23%	(6)	(6)
	en-1	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-1	r0_14	C-SB	-	-	-	-	-	-	3	0	-	3	3	-	-	100%	3	3
	en-1	r0_15	C-SW	15	15	-	-	-	1	1	-	0	2	2	2	12	15%	(12)	(13)
	en-1	r0_16	C-SW	12	12	-	-	4	-	1	-	0	5	1	1	8	9%	(7)	(7)
	en-1	r0_17	CD-SXHW	-	-	-	-	-	9	6	-	0	15	15	-	-	100%	15	15
	en-1	r0_99	n/a	-	-	-	-	-	-	0	2	14	16	16	0	0	100%	16	16
	en-1	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
en-1 Total	-	-	-	1,825	345	1,481	-	491	12	80	10	19	612	121	125	588	7%	(592)	(1,213)

EN-3

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	en-3	r0_01	D-HW	387	-	209	178	-	-	-	-	-	-	-	40	6	0%	(46)	(387)
	en-3	r0_02	D-HW	1,092	-	576	516	-	-	-	-	-	-	-	152	-	0%	(152)	(1,092)
	en-3	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-3	r0_04	D-HW	18	-	13	5	-	-	-	-	-	-	-	13	-	0%	(13)	(18)
	en-3	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-3	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-3	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-3	r0_07	D-HW	390	-	206	184	-	-	-	-	-	-	-	84	1	0%	(85)	(390)
	en-3	r0_08	C-PL	16	16	-	-	-	-	-	-	-	-	-	1	2	0%	(3)	(16)
	en-3	r0_09	CD-PLHW	5	5	-	-	-	-	-	-	-	-	-	-	-	0%	-	(5)
	en-3	r0_10	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-3	r0_11	C-PL	6	6	-	-	-	-	-	-	-	-	-	-	-	0%	-	(6)
	en-3	r0_11	C-SW	1	1	-	-	-	-	-	-	-	-	-	-	-	0%	-	(1)
	en-3	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-3	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-3	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-3	r0_15	C-SW	25	25	-	-	-	-	-	-	-	-	-	-	-	0%	-	(25)
	en-3	r0_16	C-SW	2	2	-	-	-	-	-	-	-	-	-	-	-	0%	-	(2)
	en-3	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-3	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-3	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
en-3 Total	-	-	-	1,941	54	1,004	883	-	-	-	-	-	-	-	289	9	0%	(298)	(1,941)

EN-4

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	en-4	r0_01	D-HW	385	-	-	385	-	-	-	-	-	-	-	-	-	0%	-	(385)
	en-4	r0_02	D-HW	2,887	-	-	2,887	-	-	-	-	-	-	-	-	-	0%	-	(2,887)
	en-4	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-4	r0_04	D-HW	83	-	-	83	-	-	-	-	-	-	-	-	-	0%	-	(83)
	en-4	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-4	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-4	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-4	r0_07	D-HW	1,197	-	-	1,197	-	-	-	-	-	-	-	-	1	0%	(1)	(1,197)
	en-4	r0_08	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-4	r0_09	CD-PLHW	0	0	-	-	-	-	-	-	-	-	-	-	-	0%	-	(0)
	en-4	r0_10	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-4	r0_11	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-4	r0_11	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-4	r0_12	C-SB	0	0	-	-	-	-	-	-	-	-	-	-	0	0%	(0)	(0)
	en-4	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-4	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-4	r0_15	C-SW	22	22	-	-	-	-	-	-	-	-	-	-	15	0%	(15)	(22)
	en-4	r0_16	C-SW	2	2	-	-	-	-	-	-	-	-	-	-	-	0%	-	(2)
	en-4	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-4	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-4	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
en-4 Total	-	-	-	4,577	25	-	4,552	-	-	-	-	-	-	-	-	17	0%	(17)	(4,577)

EN-6

Harvest Profile								As-Built													
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	en-6	r0_01	D-HW	264	-	264	-	-	-	-	-	-	-	-	19	170	0%	(189)	(264)
	en-6	r0_02	D-HW	1,524	-	1,524	-	-	-	-	-	-	-	-	57	817	0%	(874)	(1,524)
	en-6	r0_03	DC-HWSX	136	136	-	-	-	-	-	-	-	-	-	-	136	0%	(136)	(136)
	en-6	r0_04	D-HW	22	-	22	-	-	-	-	-	-	-	-	1	16	0%	(18)	(22)
	en-6	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-6	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-6	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-6	r0_07	D-HW	1,313	-	1,313	-	-	-	-	-	-	-	-	33	835	0%	(868)	(1,313)
	en-6	r0_08	C-PL	9	9	-	-	-	-	-	-	-	-	-	1	5	0%	(6)	(9)
	en-6	r0_09	CD-PLHW	14	14	-	-	-	-	-	-	-	-	-	-	14	0%	(14)	(14)
	en-6	r0_10	C-PL	4	4	-	-	-	-	-	-	-	-	-	0	4	0%	(4)	(4)
	en-6	r0_11	C-PL	5	5	-	-	-	-	-	-	-	-	-	-	5	0%	(5)	(5)
	en-6	r0_11	C-SW	13	13	-	-	-	-	-	-	-	-	-	4	4	0%	(8)	(13)
	en-6	r0_12	C-SB	30	30	-	-	-	-	-	-	-	-	-	0	26	0%	(26)	(30)
	en-6	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-6	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-6	r0_15	C-SW	171	171	-	-	-	-	-	-	-	-	-	10	117	0%	(127)	(171)
	en-6	r0_16	C-SW	106	106	-	-	-	-	-	-	-	-	-	3	61	0%	(64)	(106)
	en-6	r0_17	CD-SXHW	12	12	-	-	-	-	-	-	-	-	-	1	11	0%	(12)	(12)
	en-6	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-6	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
en-6 Total	-	-	-	3,624	500	3,124	-	-	-	-	-	-	-	-	129	2,220	0%	(2,350)	(3,624)

EN-7

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	en-7	r0_01	D-HW	362	-	362	-	-	-	-	-	-	-	-	-	-	0%	-	(362)
	en-7	r0_02	D-HW	588	-	588	-	-	-	-	-	-	-	-	-	-	0%	-	(588)
	en-7	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-7	r0_04	D-HW	21	-	21	-	-	-	-	-	-	-	-	-	-	0%	-	(21)
	en-7	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-7	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-7	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-7	r0_07	D-HW	297	-	297	-	-	-	-	-	-	-	-	-	-	0%	-	(297)
	en-7	r0_08	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-7	r0_09	CD-PLHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-7	r0_10	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-7	r0_11	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-7	r0_11	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-7	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-7	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-7	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-7	r0_15	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-7	r0_16	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-7	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-7	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	en-7	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
en-7 Total	-	-	-	1,269	-	1,269	-	-	-	-	-	-	-	-	-	-	0%	-	(1,269)

ES-1

Harvest Profile								As-Built													
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	es-1	r0_01	D-HW	24	-	24	-	-	-	-	-	-	-	-	0	-	0%	(0)	(24)
	es-1	r0_02	D-HW	36	-	36	-	-	-	-	-	-	-	-	-	-	0%	-	(36)
	es-1	r0_03	DC-HWSX	22	22	-	-	-	-	-	-	-	-	-	0	-	0%	(0)	(22)
	es-1	r0_04	D-HW	1	-	1	-	-	-	-	-	-	-	-	-	-	0%	-	(1)
	es-1	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-1	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-1	r0_06_dc	DC-HWSX	152	152	-	-	-	-	-	-	-	-	-	-	-	0%	-	(152)
	es-1	r0_07	D-HW	102	-	102	-	-	-	-	-	-	-	-	-	-	0%	-	(102)
	es-1	r0_08	C-PL	19	19	-	-	-	-	-	-	-	-	-	-	17	0%	(17)	(19)
	es-1	r0_09	CD-PLHW	3	3	-	-	-	-	-	-	-	-	-	-	0	0%	(0)	(3)
	es-1	r0_10	C-PL	13	13	-	-	-	-	-	-	-	-	-	-	13	0%	(13)	(13)
	es-1	r0_11	C-PL	9	9	-	-	-	-	-	-	-	-	-	-	9	0%	(9)	(9)
	es-1	r0_11	C-SW	8	8	-	-	-	-	-	-	-	-	-	-	3	0%	(3)	(8)
	es-1	r0_12	C-SB	28	28	-	-	-	-	-	-	-	-	-	-	25	0%	(25)	(28)
	es-1	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-1	r0_14	C-SB	2	2	-	-	-	-	-	-	-	-	-	-	2	0%	(2)	(2)
	es-1	r0_15	C-SW	37	37	-	-	-	-	-	-	-	-	-	-	22	0%	(22)	(37)
	es-1	r0_16	C-SW	12	12	-	-	-	-	-	-	-	-	-	-	9	0%	(9)	(12)
	es-1	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-1	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	0	0%	(0)	-
	es-1	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
es-1 Total	-	-	-	468	305	163	-	-	-	-	-	-	-	-	0	100	0%	(101)	(468)

ES-2

Harvest Profile								As-Built												
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	es-2	r0_01	D-HW	1	-	1	-	-	-	-	-	-	-	-	-	1	0%	(1)	(1)
	es-2	r0_02	D-HW	7	-	7	-	-	-	-	-	-	-	-	-	0	0%	(0)	(7)
	es-2	r0_03	DC-HWSX	16	16	-	-	-	12	1	-	1	13	13	1	0	78%	12	(4)
	es-2	r0_04	D-HW	-	-	-	-	-	-	-	-	0	0	0	-	-	100%	0	0
	es-2	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-2	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-2	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	0	0%	(0)	-
	es-2	r0_07	D-HW	0	-	0	-	0	-	-	-	-	0	-	-	0	0%	(0)	(0)
	es-2	r0_08	C-PL	69	69	-	-	3	-	-	-	-	3	-	6	9	0%	(15)	(66)
	es-2	r0_09	CD-PLHW	94	94	-	-	15	-	-	-	-	15	-	7	14	0%	(21)	(79)
	es-2	r0_10	C-PL	97	97	-	-	8	-	-	-	-	8	-	5	6	0%	(11)	(89)
	es-2	r0_11	C-PL	41	41	-	-	6	-	-	-	-	6	-	3	2	0%	(5)	(35)
	es-2	r0_11	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-2	r0_12	C-SB	43	43	-	-	-	-	1	-	-	1	1	0	-	3%	1	(42)
	es-2	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-2	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-2	r0_15	C-SW	235	235	-	-	106	0	0	-	-	107	1	17	23	0%	(39)	(128)
	es-2	r0_16	C-SW	303	303	-	-	75	14	-	-	-	90	14	59	43	5%	(88)	(213)
	es-2	r0_17	CD-SXHW	16	16	-	-	-	22	2	-	-	25	25	-	1	154%	23	9
	es-2	r0_99	n/a	-	-	-	-	-	-	-	0	1	1	1	-	0	100%	1	1
	es-2	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
es-2 Total	-	-	-	922	915	8	-	214	49	5	0	1	269	55	99	99	6%	(143)	(654)

ES-3

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	es-3	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-3	r0_02	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-3	r0_03	DC-HWSX	51	51	-	-	-	-	-	-	-	-	-	-	-	0%	-	(51)
	es-3	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-3	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-3	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-3	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-3	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-3	r0_08	C-PL	32	32	-	-	-	-	-	-	-	-	-	-	-	0%	-	(32)
	es-3	r0_09	CD-PLHW	45	45	-	-	-	-	-	-	-	-	-	-	-	0%	-	(45)
	es-3	r0_10	C-PL	51	51	-	-	-	-	-	-	-	-	-	-	-	0%	-	(51)
	es-3	r0_11	C-PL	7	7	-	-	-	-	-	-	-	-	-	-	-	0%	-	(7)
	es-3	r0_11	C-SW	2	2	-	-	-	-	-	-	-	-	-	-	-	0%	-	(2)
	es-3	r0_12	C-SB	24	24	-	-	-	-	-	-	-	-	-	-	-	0%	-	(24)
	es-3	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-3	r0_14	C-SB	4	4	-	-	-	-	-	-	-	-	-	-	-	0%	-	(4)
	es-3	r0_15	C-SW	4	4	-	-	-	-	-	-	-	-	-	-	-	0%	-	(4)
	es-3	r0_16	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-3	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-3	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-3	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
es-3 Total	-	-	-	221	221	-	-	-	-	-	-	-	-	-	-	-	0%	-	(221)

ES-4

Harvest Profile								As-Built												
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	es-4	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-4	r0_02	D-HW	26	-	26	-	-	-	-	-	-	-	-	-	26	0%	(26)	(26)
	es-4	r0_03	DC-HWSX	2	2	-	-	1	-	0	-	-	1	0	1	0	11%	(1)	(1)
	es-4	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-4	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-4	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-4	r0_06_dc	DC-HWSX	0	0	-	-	0	-	-	0	-	0	0	-	-	43%	0	0
	es-4	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-4	r0_08	C-PL	59	59	-	-	6	-	-	-	-	6	-	18	11	0%	(29)	(53)
	es-4	r0_09	CD-PLHW	22	22	-	-	3	-	-	-	-	3	-	2	11	0%	(13)	(19)
	es-4	r0_10	C-PL	38	38	-	-	7	-	-	-	-	7	-	12	11	0%	(22)	(32)
	es-4	r0_11	C-PL	6	6	-	-	-	-	-	-	-	-	-	4	1	0%	(6)	(6)
	es-4	r0_11	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-4	r0_12	C-SB	8	8	-	-	3	-	0	-	-	3	0	0	5	2%	(5)	(5)
	es-4	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-4	r0_14	C-SB	2	2	-	-	-	-	-	-	-	-	-	-	2	0%	(2)	(2)
	es-4	r0_15	C-SW	2	2	-	-	-	-	-	-	-	-	-	0	2	0%	(2)	(2)
	es-4	r0_16	C-SW	3	3	-	-	-	-	-	-	-	-	-	1	1	0%	(2)	(3)
	es-4	r0_17	CD-SXHW	2	2	-	-	1	-	-	-	-	1	-	1	0	0%	(1)	(1)
	es-4	r0_99	n/a	-	-	-	-	-	-	0	-	2	2	2	-	-	100%	2	2
	es-4	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
es-4 Total	-	-	-	169	144	26	-	21	-	0	0	2	23	2	38	70	1%	(107)	(147)

ES-5

Harvest Profile								As-Built												
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	es-5	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-5	r0_02	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-5	r0_03	DC-HWSX	-	-	-	-	-	-	11	-	0	11	11	-	-	100%	11	11
	es-5	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-5	r0_05	C-SW	78	78	-	-	54	-	13	-	4	70	17	18	6	22%	(8)	(8)
	es-5	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-5	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-5	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-5	r0_08	C-PL	2	2	-	-	-	-	-	-	-	-	-	2	-	0%	(2)	(2)
	es-5	r0_09	CD-PLHW	5	5	-	-	-	-	-	-	-	-	-	-	5	0%	(5)	(5)
	es-5	r0_10	C-PL	5	5	-	-	-	-	-	-	-	-	-	3	2	0%	(5)	(5)
	es-5	r0_11	C-PL	13	13	-	-	-	-	-	-	-	-	-	4	9	0%	(13)	(13)
	es-5	r0_11	C-SW	14	14	-	-	-	-	6	-	-	6	6	6	8	41%	(8)	(8)
	es-5	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-5	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	es-5	r0_14	C-SB	42	42	-	-	-	-	0	-	-	0	0	1	42	1%	(42)	(42)
	es-5	r0_15	C-SW	101	101	-	-	60	-	70	-	12	143	83	36	5	82%	41	41
	es-5	r0_16	C-SW	13	13	-	-	8	-	-	-	-	8	-	3	1	0%	(5)	(5)
	es-5	r0_17	CD-SXHW	-	-	-	-	-	-	3	-	0	3	3	-	-	100%	3	3
	es-5	r0_99	n/a	-	-	-	-	-	-	-	0	0	0	0	-	-	100%	0	0
	es-5	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
es-5 Total	-	-	-	272	272	-	-	121	-	104	0	16	242	120	73	78	44%	(31)	(31)

LN-1

Harvest Profile								As-Built												
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	ln-1	r0_01	D-HW	54	-	-	54	-	-	-	-	-	-	-	-	-	0%	-	(54)
	ln-1	r0_02	D-HW	525	-	-	525	-	-	-	-	-	-	-	-	-	0%	-	(525)
	ln-1	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-1	r0_04	D-HW	20	-	-	20	-	-	-	-	-	-	-	-	-	0%	-	(20)
	ln-1	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-1	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-1	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-1	r0_07	D-HW	286	-	-	286	-	-	-	-	-	-	-	-	-	0%	-	(286)
	ln-1	r0_08	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-1	r0_09	CD-PLHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-1	r0_10	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-1	r0_11	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-1	r0_11	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-1	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-1	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-1	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-1	r0_15	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-1	r0_16	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-1	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-1	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-1	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
ln-1 Total	-	-	-	884	-	-	884	-	-	-	-	-	-	-	-	-	0%	-	(884)

LN-2

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	ln-2	r0_01	D-HW	1	-	-	1	-	-	-	-	-	-	-	-	-	0%	-	(1)
	ln-2	r0_02	D-HW	91	-	-	91	-	-	-	-	-	-	-	-	-	0%	-	(91)
	ln-2	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-2	r0_04	D-HW	44	-	-	44	-	-	-	-	-	-	-	-	-	0%	-	(44)
	ln-2	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-2	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-2	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-2	r0_07	D-HW	33	-	-	33	-	-	-	-	-	-	-	-	-	0%	-	(33)
	ln-2	r0_08	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-2	r0_09	CD-PLHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-2	r0_10	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-2	r0_11	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-2	r0_11	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-2	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-2	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-2	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-2	r0_15	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-2	r0_16	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-2	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-2	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-2	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
ln-2 Total	-	-	-	170	-	-	170	-	-	-	-	-	-	-	-	-	0%	-	(170)

LN-3

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	ln-3	r0_01	D-HW	271	-	-	271	-	-	-	-	-	-	-	-	-	0%	-	(271)
	ln-3	r0_02	D-HW	985	-	-	985	-	-	-	-	-	-	-	-	-	0%	-	(985)
	ln-3	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-3	r0_04	D-HW	57	-	-	57	-	-	-	-	-	-	-	-	-	0%	-	(57)
	ln-3	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-3	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-3	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-3	r0_07	D-HW	390	-	-	390	-	-	-	-	-	-	-	-	-	0%	-	(390)
	ln-3	r0_08	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-3	r0_09	CD-PLHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-3	r0_10	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-3	r0_11	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-3	r0_11	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-3	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-3	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-3	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-3	r0_15	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-3	r0_16	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-3	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-3	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ln-3	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
ln-3 Total	-	-	-	1,703	-	-	1,703	-	-	-	-	-	-	-	-	-	0%	-	(1,703)

LS-1

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	ls-1	r0_01	D-HW	13	-	-	13	-	-	-	-	-	-	-	-	-	0%	-	(13)
	ls-1	r0_02	D-HW	67	-	-	67	-	-	-	-	-	-	-	-	-	0%	-	(67)
	ls-1	r0_03	DC-HWSX	10	10	-	-	-	-	-	-	-	-	-	-	-	0%	-	(10)
	ls-1	r0_04	D-HW	13	-	-	13	-	-	-	-	-	-	-	-	-	0%	-	(13)
	ls-1	r0_05	C-SW	21	21	-	-	-	-	-	-	-	-	-	-	-	0%	-	(21)
	ls-1	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-1	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-1	r0_07	D-HW	33	-	-	33	-	-	-	-	-	-	-	-	-	0%	-	(33)
	ls-1	r0_08	C-PL	79	79	-	-	-	-	-	-	-	-	-	-	-	0%	-	(79)
	ls-1	r0_09	CD-PLHW	71	71	-	-	-	-	-	-	-	-	-	-	-	0%	-	(71)
	ls-1	r0_10	C-PL	6	6	-	-	-	-	-	-	-	-	-	-	-	0%	-	(6)
	ls-1	r0_11	C-PL	18	18	-	-	-	-	-	-	-	-	-	-	-	0%	-	(18)
	ls-1	r0_11	C-SW	31	31	-	-	-	-	-	-	-	-	-	-	-	0%	-	(31)
	ls-1	r0_12	C-SB	4	4	-	-	-	-	-	-	-	-	-	-	-	0%	-	(4)
	ls-1	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-1	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-1	r0_15	C-SW	22	22	-	-	-	-	-	-	-	-	-	-	-	0%	-	(22)
	ls-1	r0_16	C-SW	34	34	-	-	-	-	-	-	-	-	-	-	-	0%	-	(34)
	ls-1	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-1	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-1	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
ls-1 Total	-	-	-	421	296	-	125	-	-	-	-	-	-	-	-	-	0%	-	(421)

LS-2

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	ls-2	r0_01	D-HW	2	-	-	2	-	-	-	-	-	-	-	-	-	0%	-	(2)
	ls-2	r0_02	D-HW	0	-	-	0	-	-	-	-	-	-	-	-	-	0%	-	(0)
	ls-2	r0_03	DC-HWSX	14	14	-	-	-	-	-	-	-	-	-	-	-	0%	-	(14)
	ls-2	r0_04	D-HW	5	-	-	5	-	-	-	-	-	-	-	-	-	0%	-	(5)
	ls-2	r0_05	C-SW	7	7	-	-	-	-	-	-	-	-	-	-	-	0%	-	(7)
	ls-2	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-2	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-2	r0_07	D-HW	0	-	-	0	-	-	-	-	-	-	-	-	-	0%	-	(0)
	ls-2	r0_08	C-PL	434	434	-	-	-	-	-	-	-	-	-	-	-	0%	-	(434)
	ls-2	r0_09	CD-PLHW	208	208	-	-	-	-	-	-	-	-	-	-	-	0%	-	(208)
	ls-2	r0_10	C-PL	3	3	-	-	-	-	-	-	-	-	-	-	-	0%	-	(3)
	ls-2	r0_11	C-PL	47	47	-	-	-	-	-	-	-	-	-	-	-	0%	-	(47)
	ls-2	r0_11	C-SW	52	52	-	-	-	-	-	-	-	-	-	-	-	0%	-	(52)
	ls-2	r0_12	C-SB	6	6	-	-	-	-	-	-	-	-	-	-	-	0%	-	(6)
	ls-2	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-2	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-2	r0_15	C-SW	26	26	-	-	-	-	-	-	-	-	-	-	-	0%	-	(26)
	ls-2	r0_16	C-SW	36	36	-	-	-	-	-	-	-	-	-	-	-	0%	-	(36)
	ls-2	r0_17	CD-SXHW	3	3	-	-	-	-	-	-	-	-	-	-	-	0%	-	(3)
	ls-2	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-2	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
ls-2 Total	-	-	-	844	836	-	7	-	-	-	-	-	-	-	-	-	0%	-	(844)

LS-3

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	ls-3	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-3	r0_02	D-HW	32	-	-	32	-	-	-	-	-	-	-	-	-	0%	-	(32)
	ls-3	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-3	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-3	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-3	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-3	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-3	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-3	r0_08	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-3	r0_09	CD-PLHW	0	0	-	-	-	-	-	-	-	-	-	-	-	0%	-	(0)
	ls-3	r0_10	C-PL	0	0	-	-	-	-	-	-	-	-	-	-	-	0%	-	(0)
	ls-3	r0_11	C-PL	0	0	-	-	-	-	-	-	-	-	-	-	-	0%	-	(0)
	ls-3	r0_11	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-3	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-3	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-3	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-3	r0_15	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-3	r0_16	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-3	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-3	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-3	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
ls-3 Total	-	-	-	32	0	-	32	-	-	-	-	-	-	-	-	-	0%	-	(32)

LS-4

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	ls-4	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-4	r0_02	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-4	r0_03	DC-HWSX	22	22	-	-	-	-	-	-	-	-	-	-	-	0%	-	(22)
	ls-4	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-4	r0_05	C-SW	0	0	-	-	-	-	-	-	-	-	-	-	-	0%	-	(0)
	ls-4	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-4	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-4	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-4	r0_08	C-PL	43	43	-	-	-	-	-	-	-	-	-	-	-	0%	-	(43)
	ls-4	r0_09	CD-PLHW	83	83	-	-	-	-	-	-	-	-	-	-	-	0%	-	(83)
	ls-4	r0_10	C-PL	26	26	-	-	-	-	-	-	-	-	-	-	-	0%	-	(26)
	ls-4	r0_11	C-PL	16	16	-	-	-	-	-	-	-	-	-	-	-	0%	-	(16)
	ls-4	r0_11	C-SW	2	2	-	-	-	-	-	-	-	-	-	-	-	0%	-	(2)
	ls-4	r0_12	C-SB	30	30	-	-	-	-	-	-	-	-	-	-	-	0%	-	(30)
	ls-4	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-4	r0_14	C-SB	67	67	-	-	-	-	-	-	-	-	-	-	-	0%	-	(67)
	ls-4	r0_15	C-SW	2	2	-	-	-	-	-	-	-	-	-	-	-	0%	-	(2)
	ls-4	r0_16	C-SW	12	12	-	-	-	-	-	-	-	-	-	-	-	0%	-	(12)
	ls-4	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-4	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-4	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
ls-4 Total	-	-	-	303	303	-	-	-	-	-	-	-	-	-	-	-	0%	-	(303)

LS-5

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	ls-5	r0_01	D-HW	0	-	-	0	-	-	-	-	-	-	-	-	-	0%	-	(0)
	ls-5	r0_02	D-HW	32	-	-	32	-	-	-	-	-	-	-	-	-	0%	-	(32)
	ls-5	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-5	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-5	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-5	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-5	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-5	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-5	r0_08	C-PL	0	0	-	-	-	-	-	-	-	-	-	-	-	0%	-	(0)
	ls-5	r0_09	CD-PLHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-5	r0_10	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-5	r0_11	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-5	r0_11	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-5	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-5	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-5	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-5	r0_15	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-5	r0_16	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-5	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-5	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	ls-5	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
ls-5 Total	-	-	-	32	0	-	32	-	-	-	-	-	-	-	-	-	0%	-	(32)

PEACE-2

Harvest Profile								As-Built												
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	peace-2	r0_01	D-HW	-	-	-	-	-	-	1	-	0	1	1	-	0	100%	1	1
	peace-2	r0_02	D-HW	-	-	-	-	-	-	3	-	-	3	3	-	-	100%	3	3
	peace-2	r0_03	DC-HWSX	-	-	-	-	-	-	1	-	-	1	1	-	0	100%	1	1
	peace-2	r0_04	D-HW	-	-	-	-	-	0	0	5	0	5	5	-	-	100%	5	5
	peace-2	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	peace-2	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	peace-2	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	peace-2	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	peace-2	r0_08	C-PL	253	253	-	-	164	-	16	5	1	185	21	2	39	8%	(20)	(67)
	peace-2	r0_09	CD-PLHW	7	7	-	-	4	-	75	1	0	80	76	0	4	1030%	73	73
	peace-2	r0_10	C-PL	3	3	-	-	1	-	4	-	-	5	4	0	3	117%	1	1
	peace-2	r0_11	C-PL	30	30	-	-	12	-	0	-	0	13	0	0	17	1%	(16)	(17)
	peace-2	r0_11	C-SW	188	188	-	-	7	-	0	0	0	7	0	-	178	0%	(177)	(181)
	peace-2	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	peace-2	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	peace-2	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	peace-2	r0_15	C-SW	33	33	-	-	-	-	-	-	-	-	-	-	33	0%	(33)	(33)
	peace-2	r0_16	C-SW	225	225	-	-	4	-	-	-	0	4	0	-	221	0%	(221)	(221)
	peace-2	r0_17	CD-SXHW	-	-	-	-	-	-	1	-	-	1	1	-	0	100%	1	1
	peace-2	r0_99	n/a	-	-	-	-	-	-	-	0	2	2	2	-	-	100%	2	2
	peace-2	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
peace-2 Total	-	-	-	740	740	-	-	191	0	101	11	4	308	116	2	494	16%	(380)	(432)

PUSK-E

Harvest Profile								As-Built											
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	pusk-e	r0_01	D-HW	81	-	-	81	-	-	-	0	0	0	0	3	3	0%	(6)	(81)
	pusk-e	r0_02	D-HW	146	-	-	146	-	-	0	-	-	0	0	0	2	0%	(2)	(146)
	pusk-e	r0_03	DC-HWSX	31	31	-	-	5	-	24	1	0	29	25	0	26	80%	(2)	(2)
	pusk-e	r0_04	D-HW	6	-	-	6	-	-	-	0	-	0	0	-	-	1%	0	(6)
	pusk-e	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	pusk-e	r0_06_cd	CD-SXHW	-	-	-	-	-	-	11	-	0	11	11	-	-	100%	11	11
	pusk-e	r0_06_dc	DC-HWSX	-	-	-	-	-	-	30	1	0	31	31	0	-	100%	31	31
	pusk-e	r0_07	D-HW	111	-	-	111	1	-	1	-	0	2	1	1	5	1%	(5)	(109)
	pusk-e	r0_08	C-PL	-	-	-	-	-	-	241	-	0	241	241	-	-	100%	241	241
	pusk-e	r0_09	CD-PLHW	284	284	-	-	106	-	129	-	0	234	129	41	136	45%	(48)	(50)
	pusk-e	r0_10	C-PL	-	-	-	-	-	-	26	-	0	26	26	-	-	100%	26	26
	pusk-e	r0_11	C-PL	49	49	-	-	36	-	1	-	-	37	1	1	12	2%	(12)	(12)
	pusk-e	r0_11	C-SW	10	10	-	-	-	-	1	-	-	1	1	-	10	6%	(9)	(9)
	pusk-e	r0_12	C-SB	-	-	-	-	-	-	-	0	-	0	0	-	-	100%	0	0
	pusk-e	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	pusk-e	r0_14	C-SB	-	-	-	-	-	-	0	3	-	3	3	-	-	100%	3	3
	pusk-e	r0_15	C-SW	105	105	-	-	1	-	1	-	0	3	1	19	85	1%	(103)	(103)
	pusk-e	r0_16	C-SW	77	77	-	-	-	-	3	-	-	3	3	6	71	4%	(74)	(74)
	pusk-e	r0_17	CD-SXHW	205	205	-	-	16	6	45	-	-	67	51	2	187	25%	(137)	(137)
	pusk-e	r0_99	n/a	-	-	-	-	-	-	-	0	4	4	4	-	0	100%	4	4
	pusk-e	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
pusk-e Total	-	-	-	1,104	761	-	343	164	6	511	5	5	691	527	73	537	48%	(83)	(413)

PUSK-W

Harvest Profile								As-Built											
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	pusk-w	r0_01	D-HW	130	-	-	130	-	-	-	-	-	-	-	-	2	0%	(2)	(130)
	pusk-w	r0_02	D-HW	828	-	-	828	-	-	-	-	-	-	-	-	0	0%	(0)	(828)
	pusk-w	r0_03	DC-HWSX	75	75	-	-	32	4	42	-	0	78	46	3	40	62%	3	3
	pusk-w	r0_04	D-HW	13	-	-	13	-	-	0	-	-	0	0	-	-	1%	0	(13)
	pusk-w	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	pusk-w	r0_06_cd	CD-SXHW	-	-	-	-	-	-	16	0	-	16	16	-	-	100%	16	16
	pusk-w	r0_06_dc	DC-HWSX	-	-	-	-	-	-	15	6	-	21	21	-	0	100%	21	21
	pusk-w	r0_07	D-HW	197	-	-	197	-	-	-	-	-	-	-	-	0	0%	(0)	(197)
	pusk-w	r0_08	C-PL	-	-	-	-	-	-	30	-	-	30	30	-	-	100%	30	30
	pusk-w	r0_09	CD-PLHW	4	4	-	-	-	-	15	-	-	15	15	-	4	396%	11	11
	pusk-w	r0_10	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	pusk-w	r0_11	C-PL	2	2	-	-	-	-	2	-	-	2	2	-	2	154%	1	1
	pusk-w	r0_11	C-SW	10	10	-	-	8	-	2	-	1	11	3	2	0	28%	1	1
	pusk-w	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	pusk-w	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	pusk-w	r0_14	C-SB	1	1	-	-	-	-	0	0	-	0	0	-	1	24%	(1)	(1)
	pusk-w	r0_15	C-SW	83	83	-	-	26	-	12	-	1	39	13	11	46	15%	(44)	(44)
	pusk-w	r0_16	C-SW	288	288	-	-	76	-	20	0	0	96	21	28	184	7%	(192)	(192)
	pusk-w	r0_17	CD-SXHW	272	272	-	-	193	-	91	-	1	285	91	27	51	34%	13	13
	pusk-w	r0_99	n/a	-	-	-	-	-	-	1	3	3	7	7	-	-	100%	7	7
	pusk-w	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
pusk-w Total	-	-	-	1,903	734	-	1,169	335	4	246	9	5	600	265	71	330	14%	(137)	(1,303)

SIM-1

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	sim-1	r0_01	D-HW	55	-	-	55	-	-	-	-	-	-	-	-	-	0%	-	(55)
	sim-1	r0_02	D-HW	681	-	-	681	-	-	-	-	-	-	-	-	-	0%	-	(681)
	sim-1	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-1	r0_04	D-HW	86	-	-	86	-	-	-	-	-	-	-	-	-	0%	-	(86)
	sim-1	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-1	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-1	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-1	r0_07	D-HW	615	-	-	615	-	-	-	-	-	-	-	-	-	0%	-	(615)
	sim-1	r0_08	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-1	r0_09	CD-PLHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-1	r0_10	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-1	r0_11	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-1	r0_11	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-1	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-1	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-1	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-1	r0_15	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-1	r0_16	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-1	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-1	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-1	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
sim-1 Total	-	-	-	1,438	-	-	1,438	-	-	-	-	-	-	-	-	-	0%	-	(1,438)

SIM-2

Harvest Profile								As-Built											
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	sim-2	r0_01	D-HW	61	-	-	61	28	-	-	-	4	31	4	11	3	6%	(10)	(30)
	sim-2	r0_02	D-HW	1,020	-	-	1,020	642	-	-	2	2	647	4	81	36	0%	(114)	(373)
	sim-2	r0_03	DC-HWSX	2	2	-	-	-	8	2	4	0	14	14	-	-	886%	14	12
	sim-2	r0_04	D-HW	94	-	-	94	37	-	-	1	3	40	4	21	1	4%	(18)	(54)
	sim-2	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-2	r0_06_cd	CD-SXHW	1	1	-	-	0	-	1	-	0	2	1	-	-	135%	1	1
	sim-2	r0_06_dc	DC-HWSX	30	30	-	-	25	-	20	16	0	60	36	-	-	117%	36	30
	sim-2	r0_07	D-HW	287	-	-	287	148	-	-	1	5	155	6	20	22	2%	(36)	(133)
	sim-2	r0_08	C-PL	-	-	-	-	-	-	0	-	-	0	0	-	-	100%	0	0
	sim-2	r0_09	CD-PLHW	0	0	-	-	0	-	2	-	-	2	2	-	-	898%	2	2
	sim-2	r0_10	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-2	r0_11	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-2	r0_11	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-2	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-2	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-2	r0_14	C-SB	-	-	-	-	-	-	0	0	-	0	0	-	-	100%	0	0
	sim-2	r0_15	C-SW	17	17	-	-	0	1	2	0	0	3	3	-	-	16%	3	(14)
	sim-2	r0_16	C-SW	19	19	-	-	1	-	-	-	-	1	-	-	-	0%	-	(18)
	sim-2	r0_17	CD-SXHW	-	-	-	-	-	9	0	-	0	10	10	-	-	100%	10	10
	sim-2	r0_99	n/a	-	-	-	-	-	-	3	3	5	10	10	-	-	100%	10	10
	sim-2	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
sim-2 Total	-	-	-	1,532	69	-	1,462	881	18	30	27	19	975	94	133	63	6%	(102)	(557)

SIM-3

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	sim-3	r0_01	D-HW	35	-	-	35	-	-	-	-	-	-	-	-	-	0%	-	(35)
	sim-3	r0_02	D-HW	323	-	-	323	-	-	-	-	-	-	-	-	-	0%	-	(323)
	sim-3	r0_03	DC-HWSX	96	96	-	-	-	-	-	-	-	-	-	-	-	0%	-	(96)
	sim-3	r0_04	D-HW	4	-	-	4	-	-	-	-	-	-	-	-	-	0%	-	(4)
	sim-3	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-3	r0_06_cd	CD-SXHW	2	2	-	-	-	-	-	-	-	-	-	-	-	0%	-	(2)
	sim-3	r0_06_dc	DC-HWSX	288	288	-	-	-	-	-	-	-	-	-	-	-	0%	-	(288)
	sim-3	r0_07	D-HW	518	-	-	518	-	-	-	-	-	-	-	-	-	0%	-	(518)
	sim-3	r0_08	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-3	r0_09	CD-PLHW	80	80	-	-	-	-	-	-	-	-	-	-	-	0%	-	(80)
	sim-3	r0_10	C-PL	3	3	-	-	-	-	-	-	-	-	-	-	-	0%	-	(3)
	sim-3	r0_11	C-PL	12	12	-	-	-	-	-	-	-	-	-	-	-	0%	-	(12)
	sim-3	r0_11	C-SW	16	16	-	-	-	-	-	-	-	-	-	-	-	0%	-	(16)
	sim-3	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-3	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-3	r0_14	C-SB	1	1	-	-	-	-	-	-	-	-	-	-	-	0%	-	(1)
	sim-3	r0_15	C-SW	31	31	-	-	-	-	-	-	-	-	-	-	-	0%	-	(31)
	sim-3	r0_16	C-SW	19	19	-	-	-	-	-	-	-	-	-	-	-	0%	-	(19)
	sim-3	r0_17	CD-SXHW	3	3	-	-	-	-	-	-	-	-	-	-	-	0%	-	(3)
	sim-3	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-3	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
sim-3 Total	-	-	-	1,431	551	-	880	-	-	-	-	-	-	-	-	-	0%	-	(1,431)

SIM-4

Harvest Profile								As-Built												
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	sim-4	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-4	r0_02	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-4	r0_03	DC-HWSX	20	20	-	-	8	-	1	1	0	11	3	1	0	13%	2	(9)
	sim-4	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-4	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-4	r0_06_cd	CD-SXHW	1	1	-	-	1	-	-	0	-	2	0	-	-	6%	0	0
	sim-4	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-4	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-4	r0_08	C-PL	32	32	-	-	20	-	-	-	-	20	-	6	2	0%	(7)	(12)
	sim-4	r0_09	CD-PLHW	70	70	-	-	-	-	-	1	-	1	1	0	0	1%	0	(70)
	sim-4	r0_10	C-PL	172	172	-	-	133	-	0	2	0	136	2	7	4	1%	(9)	(36)
	sim-4	r0_11	C-PL	129	129	-	-	42	-	0	7	0	50	8	4	4	6%	(0)	(79)
	sim-4	r0_11	C-SW	175	175	-	-	72	-	0	7	0	79	7	19	15	4%	(27)	(96)
	sim-4	r0_12	C-SB	58	58	-	-	39	-	1	7	-	46	8	4	12	13%	(9)	(11)
	sim-4	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	sim-4	r0_14	C-SB	190	190	-	-	151	-	3	17	0	172	21	1	8	11%	13	(19)
	sim-4	r0_15	C-SW	86	86	-	-	4	-	-	1	0	5	1	1	21	1%	(22)	(81)
	sim-4	r0_16	C-SW	83	83	-	-	17	-	1	5	0	23	6	7	15	7%	(16)	(60)
	sim-4	r0_17	CD-SXHW	28	28	-	-	3	-	1	2	-	6	3	0	0	10%	3	(22)
	sim-4	r0_99	n/a	-	-	-	-	-	-	0	0	34	34	34	-	-	100%	34	34
	sim-4	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
sim-4 Total	-	-	-	1,045	1,045	-	-	491	-	9	49	34	584	93	51	80	9%	(38)	(461)

SMOKY-1

Harvest Profile								As-Built											
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	smoky-1	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-1	r0_02	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-1	r0_03	DC-HWSX	0	0	-	-	0	-	0	-	-	1	0	0	0	131%	0	0
	smoky-1	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-1	r0_05	C-SW	15	15	-	-	14	0	0	-	0	15	0	0	0	1%	(0)	(0)
	smoky-1	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-1	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-1	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-1	r0_08	C-PL	0	0	-	-	-	-	-	-	-	-	-	0	-	0%	(0)	(0)
	smoky-1	r0_09	CD-PLHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-1	r0_10	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-1	r0_11	C-PL	0	0	-	-	-	-	-	-	-	-	-	-	0	0%	(0)	(0)
	smoky-1	r0_11	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-1	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-1	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-1	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-1	r0_15	C-SW	2	2	-	-	2	0	-	-	-	2	0	-	0	0%	(0)	(0)
	smoky-1	r0_16	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-1	r0_17	CD-SXHW	4	4	-	-	4	-	1	-	-	5	1	0	0	13%	1	1
	smoky-1	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-1	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
smoky-1 Total	-	-	-	21	21	-	-	21	0	1	-	0	22	1	0	0	5%	1	1

SMOKY-2

Harvest Profile								As-Built													
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	smoky-2	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-2	r0_02	D-HW	12	-	12	-	-	-	-	-	-	-	-	-	1	0%	(1)	(12)
	smoky-2	r0_03	DC-HWSX	10	10	-	-	-	-	-	-	-	-	-	-	10	0%	(10)	(10)
	smoky-2	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-2	r0_05	C-SW	2	2	-	-	-	-	-	-	-	-	-	-	2	0%	(2)	(2)
	smoky-2	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-2	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	0	0%	(0)	-
	smoky-2	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-2	r0_08	C-PL	28	28	-	-	-	-	-	-	-	-	-	1	14	0%	(15)	(28)
	smoky-2	r0_09	CD-PLHW	34	34	-	-	-	-	-	-	-	-	-	0	25	0%	(26)	(34)
	smoky-2	r0_10	C-PL	3	3	-	-	-	-	-	-	-	-	-	-	3	0%	(3)	(3)
	smoky-2	r0_11	C-PL	24	24	-	-	-	-	-	-	-	-	-	1	13	0%	(14)	(24)
	smoky-2	r0_11	C-SW	44	44	-	-	-	-	-	-	-	-	-	3	30	0%	(32)	(44)
	smoky-2	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-2	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-2	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-2	r0_15	C-SW	19	19	-	-	-	-	-	-	-	-	-	3	17	0%	(19)	(19)
	smoky-2	r0_16	C-SW	3	3	-	-	-	-	-	-	-	-	-	-	3	0%	(3)	(3)
	smoky-2	r0_17	CD-SXHW	5	5	-	-	-	-	-	-	-	-	-	-	5	0%	(5)	(5)
	smoky-2	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-2	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
smoky-2 Total	-	-	-	184	173	12	-	-	-	-	-	-	-	-	8	122	0%	(130)	(184)

SMOKY-3

Harvest Profile								As-Built													
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	smoky-3	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-3	r0_02	D-HW	2	-	2	-	-	-	-	-	-	-	-	-	2	0%	(2)	(2)
	smoky-3	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-3	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-3	r0_05	C-SW	3	3	-	-	-	-	-	-	-	-	-	-	2	0%	(2)	(3)
	smoky-3	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-3	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-3	r0_07	D-HW	1	-	1	-	-	-	-	-	-	-	-	-	1	0%	(1)	(1)
	smoky-3	r0_08	C-PL	39	39	-	-	-	-	-	-	-	-	-	1	2	0%	(3)	(39)
	smoky-3	r0_09	CD-PLHW	51	51	-	-	-	-	-	-	-	-	-	4	14	0%	(18)	(51)
	smoky-3	r0_10	C-PL	54	54	-	-	-	-	-	-	-	-	-	2	8	0%	(10)	(54)
	smoky-3	r0_11	C-PL	14	14	-	-	-	-	-	-	-	-	-	0	5	0%	(5)	(14)
	smoky-3	r0_11	C-SW	4	4	-	-	-	-	-	-	-	-	-	1	1	0%	(1)	(4)
	smoky-3	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-3	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-3	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-3	r0_15	C-SW	14	14	-	-	-	-	-	-	-	-	-	2	8	0%	(10)	(14)
	smoky-3	r0_16	C-SW	13	13	-	-	-	-	-	-	-	-	-	2	2	0%	(4)	(13)
	smoky-3	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-3	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	0	0%	(0)	-
	smoky-3	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
smoky-3 Total	-	-	-	196	193	3	-	-	-	-	-	-	-	-	11	46	0%	(57)	(196)

SMOKY-4

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	smoky-4	r0_01	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-4	r0_02	D-HW	39	-	39	-	-	-	-	-	-	-	-	-	-	0%	-	(39)
	smoky-4	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-4	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-4	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-4	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-4	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-4	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-4	r0_08	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-4	r0_09	CD-PLHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-4	r0_10	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-4	r0_11	C-PL	0	0	-	-	-	-	-	-	-	-	-	-	0	0%	(0)	(0)
	smoky-4	r0_11	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-4	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-4	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-4	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-4	r0_15	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-4	r0_16	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-4	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-4	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-4	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
smoky-4 Total	-	-	-	39	0	39	-	-	-	-	-	-	-	-	-	0	0%	(0)	(39)

SMOKY-5

Harvest Profile								As-Built												
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	smoky-5	r0_01	D-HW	0	-	0	-	-	-	-	-	0	0	0	-	0	2359%	0	0
	smoky-5	r0_02	D-HW	5	-	5	-	1	-	-	0	-	1	0	0	4	1%	(4)	(4)
	smoky-5	r0_03	DC-HWSX	15	15	-	-	11	-	2	0	0	13	2	1	2	12%	(1)	(1)
	smoky-5	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-5	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-5	r0_06_cd	CD-SXHW	1	1	-	-	1	-	0	0	-	1	0	-	-	8%	0	0
	smoky-5	r0_06_dc	DC-HWSX	2	2	-	-	1	-	1	0	-	2	1	-	1	56%	0	(0)
	smoky-5	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-5	r0_08	C-PL	87	87	-	-	75	-	5	0	1	81	5	3	4	6%	(2)	(6)
	smoky-5	r0_09	CD-PLHW	24	24	-	-	22	-	3	-	0	25	3	1	1	13%	2	2
	smoky-5	r0_10	C-PL	91	91	-	-	76	-	4	0	1	80	4	3	3	5%	(1)	(10)
	smoky-5	r0_11	C-PL	47	47	-	-	31	-	3	0	0	35	4	3	6	8%	(5)	(13)
	smoky-5	r0_11	C-SW	16	16	-	-	10	-	21	-	2	33	23	2	1	139%	19	16
	smoky-5	r0_12	C-SB	0	0	-	-	0	-	1	-	-	1	1	-	-	114%	1	1
	smoky-5	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-5	r0_14	C-SB	26	26	-	-	25	-	3	1	0	29	4	0	0	15%	3	3
	smoky-5	r0_15	C-SW	31	31	-	-	26	-	27	-	3	56	30	2	2	95%	26	25
	smoky-5	r0_16	C-SW	14	14	-	-	0	-	3	-	0	4	4	0	1	27%	3	(10)
	smoky-5	r0_17	CD-SXHW	12	12	-	-	10	-	4	-	1	15	5	0	2	43%	3	3
	smoky-5	r0_99	n/a	-	-	-	-	1	-	2	1	9	13	12	-	0	100%	12	13
	smoky-5	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
smoky-5 Total	-	-	-	371	366	5	-	291	-	79	2	17	389	98	15	27	26%	55	18

SMOKY-6

Harvest Profile								As-Built												
								Harvested (ha)						Variance Substantial With Slivers			SHS Assessment (Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	smoky-6	r0_01	D-HW	6	-	6	-	-	-	-	-	0	0	0	-	6	4%	(6)	(6)
	smoky-6	r0_02	D-HW	89	-	89	-	2	-	-	0	0	2	0	3	80	0%	(83)	(87)
	smoky-6	r0_03	DC-HWSX	49	49	-	-	18	1	0	0	0	19	1	1	31	3%	(30)	(30)
	smoky-6	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-6	r0_05	C-SW	13	13	-	-	10	-	0	0	0	10	0	1	1	1%	(3)	(3)
	smoky-6	r0_06_cd	CD-SXHW	5	5	-	-	4	-	0	0	0	4	0	-	1	10%	(0)	(0)
	smoky-6	r0_06_dc	DC-HWSX	7	7	-	-	7	-	-	0	0	7	1	0	0	9%	0	0
	smoky-6	r0_07	D-HW	0	-	0	-	-	-	-	-	-	-	-	-	0	0%	(0)	(0)
	smoky-6	r0_08	C-PL	419	419	-	-	273	-	0	0	2	275	2	24	113	0%	(135)	(144)
	smoky-6	r0_09	CD-PLHW	245	245	-	-	83	1	1	-	1	86	2	15	138	1%	(151)	(159)
	smoky-6	r0_10	C-PL	253	253	-	-	137	-	1	-	1	139	2	53	63	1%	(114)	(114)
	smoky-6	r0_11	C-PL	276	276	-	-	124	-	0	0	4	127	4	27	111	1%	(134)	(149)
	smoky-6	r0_11	C-SW	287	287	-	-	107	0	1	0	4	112	5	46	130	2%	(171)	(174)
	smoky-6	r0_12	C-SB	20	20	-	-	-	-	0	-	-	0	0	1	20	0%	(20)	(20)
	smoky-6	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-6	r0_14	C-SB	25	25	-	-	12	-	1	0	0	13	1	4	10	4%	(13)	(13)
	smoky-6	r0_15	C-SW	210	210	-	-	41	0	0	-	1	42	1	74	71	1%	(144)	(168)
	smoky-6	r0_16	C-SW	107	107	-	-	29	0	0	-	0	29	0	23	31	0%	(54)	(78)
	smoky-6	r0_17	CD-SXHW	6	6	-	-	5	1	1	-	0	7	2	0	0	28%	1	1
	smoky-6	r0_99	n/a	-	-	-	-	-	-	0	0	3	3	3	-	-	100%	3	3
	smoky-6	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
smoky-6 Total	-	-	-	2,018	1,922	95	-	851	3	6	2	15	877	25	272	806	1%	(1,053)	(1,141)

SMOKY-7

Harvest Profile								As-Built											
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	smoky-7	r0_01	D-HW	2	-	2	-	-	-	-	-	-	-	-	-	-	0%	-	(2)
	smoky-7	r0_02	D-HW	14	-	14	-	0	-	-	5	0	6	5	4	0	37%	1	(8)
	smoky-7	r0_03	DC-HWSX	-	-	-	-	-	0	0	4	0	5	5	-	-	100%	5	5
	smoky-7	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-7	r0_05	C-SW	28	28	-	-	14	2	7	-	1	25	10	4	1	36%	5	(3)
	smoky-7	r0_06_cd	CD-SXHW	-	-	-	-	-	-	0	5	0	5	5	-	-	100%	5	5
	smoky-7	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	13	0	13	13	-	-	100%	13	13
	smoky-7	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-7	r0_08	C-PL	377	377	-	-	154	-	12	0	2	169	15	36	19	4%	(40)	(208)
	smoky-7	r0_09	CD-PLHW	299	299	-	-	119	0	3	-	3	126	6	34	53	2%	(82)	(173)
	smoky-7	r0_10	C-PL	84	84	-	-	51	-	4	-	3	58	7	11	4	8%	(9)	(26)
	smoky-7	r0_11	C-PL	417	417	-	-	176	-	-	0	7	183	7	30	49	2%	(72)	(234)
	smoky-7	r0_11	C-SW	270	270	-	-	75	0	6	0	6	87	13	35	21	5%	(43)	(183)
	smoky-7	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-7	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-7	r0_14	C-SB	5	5	-	-	-	-	0	-	-	0	0	1	2	2%	(3)	(5)
	smoky-7	r0_15	C-SW	197	197	-	-	57	7	7	-	6	77	20	20	26	10%	(26)	(120)
	smoky-7	r0_16	C-SW	161	161	-	-	17	10	1	0	1	29	12	16	25	7%	(29)	(132)
	smoky-7	r0_17	CD-SXHW	-	-	-	-	-	2	10	-	0	12	12	-	-	100%	12	12
	smoky-7	r0_99	n/a	-	-	-	-	-	-	1	2	2	4	4	-	-	100%	4	4
	smoky-7	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
smoky-7 Total	-	-	-	1,854	1,838	16	-	665	22	51	29	32	798	134	192	201	7%	(259)	(1,056)

SMOKY-8

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	smoky-8	r0_01	D-HW	1	-	1	-	-	-	-	-	-	-	-	-	-	0%	-	(1)
	smoky-8	r0_02	D-HW	4	-	4	-	-	-	-	-	-	-	-	0	1	0%	(1)	(4)
	smoky-8	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-8	r0_04	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-8	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-8	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-8	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-8	r0_07	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-8	r0_08	C-PL	779	779	-	-	1	-	0	-	-	2	0	48	54	0%	(102)	(777)
	smoky-8	r0_09	CD-PLHW	88	88	-	-	-	-	-	-	-	-	-	14	15	0%	(28)	(88)
	smoky-8	r0_10	C-PL	179	179	-	-	7	-	-	-	-	7	-	26	18	0%	(43)	(172)
	smoky-8	r0_11	C-PL	372	372	-	-	3	-	-	-	-	3	-	35	47	0%	(82)	(369)
	smoky-8	r0_11	C-SW	149	149	-	-	2	-	-	-	-	2	-	16	12	0%	(29)	(147)
	smoky-8	r0_12	C-SB	4	4	-	-	-	-	-	-	-	-	-	-	2	0%	(2)	(4)
	smoky-8	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-8	r0_14	C-SB	19	19	-	-	-	-	-	-	-	-	-	5	2	0%	(7)	(19)
	smoky-8	r0_15	C-SW	146	146	-	-	0	-	-	-	-	0	-	26	35	0%	(61)	(145)
	smoky-8	r0_16	C-SW	34	34	-	-	0	-	-	-	-	0	-	0	5	0%	(5)	(34)
	smoky-8	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-8	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	smoky-8	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
smoky-8 Total	-	-	-	1,773	1,768	4	-	13	-	0	-	-	14	0	171	191	0%	(361)	(1,759)

WASK-1

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Compamy Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	wask-1	r0_01	D-HW	48	-	48	-	-	-	-	-	-	-	-	-	-	0%	-	(48)
	wask-1	r0_02	D-HW	342	-	342	-	-	-	-	-	-	-	-	-	-	0%	-	(342)
	wask-1	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-1	r0_04	D-HW	124	-	124	-	-	-	-	-	-	-	-	-	-	0%	-	(124)
	wask-1	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-1	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-1	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-1	r0_07	D-HW	175	-	175	-	-	-	-	-	-	-	-	-	-	0%	-	(175)
	wask-1	r0_08	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-1	r0_09	CD-PLHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-1	r0_10	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-1	r0_11	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-1	r0_11	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-1	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-1	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-1	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-1	r0_15	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-1	r0_16	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-1	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-1	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-1	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
wask-1 Total	-	-	-	689	-	689	-	-	-	-	-	-	-	-	-	-	0%	-	(689)

WASK-3

Harvest Profile								As-Built												
								Harvested (ha)						Variance			SHS Assessment		
														Substantial With Slivers			(Including Slivers)		
Subtotal by Compartment	Compartment	Company Specific Yield Strata	ESRD Yield Strata	Approved DFA 10 Year SHS	Canfor Approved FMP 10 Year SHS	Norbord Approved FMP 10 Year SHS	Tolko Approved FMP 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70 yr	Contributing Landbase Outside SHS	Non-Contributing Landbase	Total	Additions	Deletions *	Deferrals *	SHS Variance (Additions %)	Difference in Area (Subst. Add. - D&D)	Difference in Area Total Harvested - 10yr FMP SHS
	wask-3	r0_01	D-HW	46	-	-	46	-	-	-	-	-	-	-	-	-	0%	-	(46)
	wask-3	r0_02	D-HW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-3	r0_03	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-3	r0_04	D-HW	41	-	-	41	-	-	-	-	-	-	-	-	-	0%	-	(41)
	wask-3	r0_05	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-3	r0_06_cd	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-3	r0_06_dc	DC-HWSX	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-3	r0_07	D-HW	7	-	-	7	-	-	-	-	-	-	-	-	-	0%	-	(7)
	wask-3	r0_08	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-3	r0_09	CD-PLHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-3	r0_10	C-PL	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-3	r0_11	C-PL	0	0	-	-	-	-	-	-	-	-	-	-	-	0%	-	(0)
	wask-3	r0_11	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-3	r0_12	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-3	r0_13	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-3	r0_14	C-SB	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-3	r0_15	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-3	r0_16	C-SW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-3	r0_17	CD-SXHW	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-3	r0_99	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
	wask-3	r2_har	n/a	-	-	-	-	-	-	-	-	-	-	-	-	-	0%	-	-
wask-3 Total	-	-	-	94	0	-	94	-	-	-	-	-	-	-	-	-	0%	-	(94)

APPENDIX 3: VOITs Status Summary

Dynamic VOITs

GoA Objective #	Canfor Objective #	Indicator	Reporting	Canfor Target	Meets	Does Not Meet	Pending
1.1.1.3a	1.2.2 d	Open all-weather forestry road density by subunit	Density (km/km²) of forestry and all user open all-weather roads by subunit.	Density of open roads (lineal km/km²) not to exceed 0.6 km/km² for the primary Grizzly Bear Range and Caribou Range and 1.2 km/km² for the remainder of the DFA and secondary Grizzly Bear Range		X	
1.1.1.3b	None	Open seasonal/temporary forestry road length by DFA	Length (km) of temp/seasonal forestry road in DFA	Density of open seasonal/temporary forestry roads (lineal km/km^2) not to exceed 0.15km/km^2 across the DFA	X		
1.1.1.4	1.1.1	Protection of uncommon plant communities	Area (ha) and type of rate plant or community protected/ha identified for DFA	100% of identified uncommon (Forest/Woodland) plant communities will be maintained	X		
1.1.1.5a	1.1.4 c	Maintain unique habitats created by wildfire and natural disturbance events	Area (ha) unsalvaged, % or merch black trees unsalvaged in patches greater than 100 ha, 10-100 ha, and small patches by event	100% of burned areas that have salvage plans will be implemented in conformance with Alberta Environment and Sustainable Resources Development's directive	X		
1.1.1.5b	1.1.4 d	Unsalvaged blowdown	Area (ha) of unsalvaged blowdown/ area of identified blowdown by event	In areas with significant blowdown (>10ha), a minimum of 25% of the area will be left un-salvaged	X		
1.1.1.6	1.1.4 b	Riparian Areas	1. Report non-conformance OGR incidents, ha harvested within OGR buffer zone by compartment 2. Ha deleted from SHS due to differences between TSA buffering and operational planning buffers (OGR) by	Zero non-compliances, specific to OGRs, with riparian management requirements in forest operations	X		
1.1.2.1a	1.1.4 a	Structure Retention	% area or volume merchantable (living and dead) structure retained coniferous/ deciduousby subunit and DFA	On a 5-year rolling average, no less than 4% of the area (ha) harvested will be retained as reepresentative merchantable un-harvested and dispersed structure retention across the DFA	X		

GoA Objective #	Canfor Objective #	Indicator	Reporting	Canfor Target	Meets	Does Not Meet	Pending
1.1.2.1b	3.1.2	Downed Woody Debris	% of harvest areas where post-harvest CWD levels are equal to or greater than pre-harvest levels.	100% of subunits will meet or exceed CWD conditions equivalent to the pre harvest state	X		
1.1.2.2a	1.2.1 b	Sensitive Sites	Area (ha) of sensitive sites maintained by type	100% of significant wildlife mineral licks will be conserved annually, consistent with OGRs	X		
1.1.2.2b	1.4.1 b			100% of identified biologically significant sites will have implemented management strategies identified in consultation with the Province	X		
1.1.2.3a	3.2.1 c	Watercourse crossing	Report non-compliance incidents. Report number, type and status of watercourse crossings.	100% of forestry water crossing construction and maintenance work in compliance with the Code of Practice for Watercourse Crossings or OGRs	X		
1.1.2.3b	3.2.1 b			100% of medium and high hazard drainage structures will have mitigation strategies implemented accroding to the road maintenance plan for permanent Canfor Alberta roads	X		
1.2.1.1a	1.2.1 a	Area (ha) of suitable wildlife habitat within the DFA	Trumpeter Swan habitat maintained	No future winter harvested within 200m and no summer harvesting within 800m of provincially identified Trumpeter Swan sites	X		
1.2.1.1b	1.2.2 a		Sufficient amount of functional Woodland Caribou habitat over time (3 targets associated with this indicator)	(1) No timber harvesting will occur in the Conservation zone identified within the Little Smoky/A La Peche ranges for the period of May 1, 2014 - April 30, 2024. No timber harvesting will occur in the Timber Supply Subunits DS-3, DS-4, and DS-5 within the Little Smoky range for the period May 1, 2014 - April 30, 2019 No timber harvesting will occur in the Timber Supply Subunits DS-1, DS-2, DS-6 and DS-7 within the Little Smoky range for the period May 1, 2014 - April 30, 2024	X		
				(2) All future harvested areas, excluding the deciduous broad cover group, in all identified Caribou Management Zones will be reforested to a coniferous standard to reduce alternate prey habitat	X		
				(3) Canfor Alberta will have zero contirbution to open-route density south of the Deep Valley	X		

GoA Objective #	Canfor Objective #	Indicator	Reporting	Canfor Target	Meets	Does Not Meet	Pending
1.2.1.1c	1.2.2 b	Area (ha) of suitable wildlife habitat within the DFA	Fish risk ranking for Bull Trout and Arctic Grayling	100% of watersheds with a high or very high fish risk ranking and >25% Canfor influence will be assessed using Canfor's Fish Risk Flow Chart and have mitigation strategies scheduled and implemented	X		
1.3.1.1	1.2.3	Number and area (ha) of in situ genetic conservation areas	Regeneration will be consistent with provincial regulations and standards for seed and vegetative use	100% conformance with the Alberta Forest Genetics Resources Management and Conservation Standards (FGRMS)	X		
1.3.1.2	1.3	Number of provenances and genetic lines in ex-situ gene banks and trials	Regeneration will be consistent with provincial regulations and standards for seed and vegetative use	100% conformance with the Alberta Forest Genetics Resources Management and Conservation Standards (FGRMS) for all seed collection and seedling deployment		X	
1.4.1.1a	1.4.1 a	Stakeholder consultation	Percent of forest management activities where consultation has occurred for operations near protected park areas	The Province will be consulted 100% of the time when operations will occur within one kilometer of legally protected park areas	X		
1.4.1.1b	1.4.2	Stakeholder consultation	Percent of identified, historic, sacred, and culturally important sites, forest values, traditional knowledge and uses known or identified through communication are considered in the forestry planning processes	100% of historic, sacred, and culturally important sites, forest values, traditional knowledge and uses known or identified through communication are considered in the forestry planning processes	X		
2.1.1.1a	2.1.1 a	Annual % of sufficiently regenerated (SR) regeneration surveys	Prompt reforestation	100% of all harvested blocks will be reforested within 2 years	X		
2.1.1.1b	2.1.1 b	Annual % of sufficiently regenerated (SR) regeneration surveys	Prompt reforestation of failed areas	All harvested blocks that have not achieved the regeneration targets as per the RSA establishment survey standards will have remedial treatments completed within 12 months of the survey date	X		
2.1.1.1c	2.1.1 c	Cumulative % of reforested areas that meet reforestation target	Actual regenerated stand yield compared to the yield expectations of the TSA	The regenerated stand yield (MAI) for the total of all sampling populations will meet or exceed the regenerated stand yield assumptions of the TSA in the RSA performance survey process	X		
2.1.2.1	2.2.1/4.2	Limit conversion of productive forest landbase to other uses	Percent of gross forested landbase in the DFA converted to non-forest land use through forest management activities	Forest management company activities not to exceed 3% reduction in the gross DFA over the life of the FMA (May 26, 2964)	X		

GoA Objective #	Canfor Objective #	Indicator	Reporting	Canfor Target	Meets	Does Not Meet	Pending
2.1.2.2	None	Recognize lands affected by insects, disease, or natural calamities	Presence or absence, or area affected by significant outbreaks, infestations, and natural calamities	Report on presence or absence or area affected by significant outbreaks, infestations, natural calamities	X		
2.1.3.1	2.1.1 d	Control non-native plant species (weeds)	Noxious weed program implementation	100% of noxious weeds identified along Canfor Alberta's dispositions will have treatments scheduled and completed according to the plan	X		
3.1.1.1	3.1.1 a	Compliance with OGRs in minimizing impact of roading and bared areas in forest operations	Percent of harvested blocks meeting soil disturbance objectives identified in plans and OGRs	100% of harvested blocks will not exceed 5% soil disturbance without government approval as outlined in Canfor OGRs		X	
3.1.1.2	3.1.1 b	Minimize incidence of soil erosion and slumping	Percent of soil erosion and slumping incidences with mitigation strategies implemented	100% of known significant erosion and slumping events caused by forest operations will have mitigation strategies implemented within one year of identification	X		
3.2.1.1	3.2.1 a	Limit impact of timber harvesting on water yield	Watersheds with high risk level assessments with mitigation strategies implemented	100% of watersheds with a moderate or high risk levels will have approved mitigation strategies implemented	X		
3.2.2.1	3.2.1 c	Minimize impact of operations in riparian areas	Number of non-compliances where forest operations are not consistent with riparian management requirements as identified in operational plans **(same metric as 1.1.1.6)**	Zero non-compliances, specific to OGRs, with riparian management requirements in forest operations	X		
4.2	2.2.1/4.2	Limit conversion of productive forest landbase to other uses (same as 2.1.2.1)	Percent of gross forested landbase in the DFA converted to non-forest land use through forest management activities	Forest management company activities not to exceed 3% reduction in the gross DFA over the life of the FMA (May 26, 2964)	X		
5.1.1.1	2.2.2/5.1.1 a	Establish appropriate AACs (process described in Annex 1 is followed and standards are met)	Percent of volume harvested compared to long term harvest level	Not to exceed 100% of the approved harvest level (AAC) over 5 years (5 year quadrant balance)	X		
5.2.1.1a	None	To reduce wildfire threat potential by reducing fire behaviour, fire occurrence, threats to values at risk and enhancing fire suppression capability	Percentage reduction in Fire Behaviour Potential area (ha) within the FireSmart Community Zone	Reduce the area (ha) in the extreme and high Fire Behaviour Potential rating categories by 0.8% within the combined FireSmart Community Zones over a 10 year period			X
5.2.1.1b			Percentage reduction in Fire Behaviour Potential area (ha) across the DFA now and over the planning horizon	Reduce the area (ha) in the extreme and high Fire Behaviour Potential rating categories by 2% across the DFA over a 10 year period			X

GoA Objective #	Canfor Objective #	Indicator	Reporting	Canfor Target	Meets	Does Not Meet	Pending
5.2.2.1a	5.1.1 b	Integrate other uses and timber management activities	Maintenance of recreational areas for non-timber users	Canfor Alberta will maintain a minimum of 3 recreational areas for use by the public within the DFA	X		
5.2.2.1b	5.2.1 a		Investment in local communities	Over a rolling 5-year period, a minimum of 75% of Canfor Alberta forest operations dollars paid for contract services will be expended locally	X		
5.2.2.1c	5.2.1 b		Investment in local communities	Canfor Alberta will provide financial/in-kind support to a minimum of 8 community events or services	X		
5.2.3.1	2.2.2/5.1.1 a	Maintain Long Run Sustained Yield (LRSY) Average (same as 5.1.1.1)	Percent of volume harvested compared to long term harvest level	Not to exceed 100% of the approved harvest level (AAC) over 5 years (5 year quadrant balance)	X		
6.1.1.1a	6.1.2	Implement public involvement program - meet Alberta's current expectations for Aboriginal Consultation	Members of local Aboriginal communities will be provided ample opportunity to understand Canfor Alberta's FMP	Opportunity to communicate key components of the FMP have been provided to each affected local Aboriginal group	X		
6.1.1.1b	6.1.3		Percent of forest operations in comformance with operational/site plans developed to address Aboriginal forest values, traditional knowledge, and uses	100% of forest operations are conducted in conformance with operational/site plans that have been developed to address Aboriginal forest values, traditional knowledge and uses	X		
6.1.1.1c	6.2.1		Percent of identified, historic, sacred, and culturally important sites, forest values, traditional knowledge and uses known or identified through communication are considered in the forestry planning processes (same as 1.4.1.1b)	100% of historic, sacred, and culturally important sites, forest values, traditional knowledge and uses known or identified through communication are considered in the forestry planning processes	X		
6.2.1.1a	6.4.1	Implement public involvement program - meet expectations of Section 5 of CSA Z809-02	Public advisory group maintained and satisfaction survey implemented	80% annual satisfaction from surveys in all four targets	X		
6.2.1.1b	6.4.2		Number of educational opportunities for information/training/capacity building that are delivered to the public advisory group annually	Provide one eductional opportunity per FMAC meeting, plus one field tour opportunity per year	X		
6.2.1.1c	6.5.1		The number of educational opportunities provided to the community	A minimum of 5 educational opportunities provided to the community annually	X		
6.2.1.1d	6.4.3		Number of opportunities for information/training/capacity development that are delivered to the Aboriginal communities annually	Greater than or equal to 1 Aboriginal information/training/capacity development opportunity each year	X		

Modeled VOITs

GoA Objective #	Canfor Objective #	Indicator	Reporting	Target	Meets	Does Not Meet	Pending
1.1.1.1	1.1.3 c	Area of old, mature, and young forest by DFA subunit by cover class	Net area (ha)/category/DFA subunit/ cover class	100% of pioneer, young and old forest by Natural Region will meet the Preferred Forest Management Scenario forecast			X
1.1.1.2a	1.1.3 b	Range of patch sizes by subunit and entire DFA	Area (ha) of forest in each patch size class	Patch size distribution will achieve natural patch size distribution levels over the 200 year planning horizon			X
1.1.1.2b	1.1.3 a	Area of old interior forest of each cover class by subunit and DFA	Area (ha) of cover class in interior forest condition	100% of area of old interior forest will be within the 10 year forecast by Natural Region			X
1.2.1.1f	1.2.2 c	Animal Habitat	Area (ha) of animal habitat, actual versus projected	The amount of the potential Barred Owl habitat for breeding pairs will not be less than 10% of current levels across the DFA			X
4.1	4.1.1	Results of carbon budget modeling	The tonnes of carbon stored in each of the carbon pools	Achieve 100% of the carbon stored in each of the carbon pools as identified by the PFMS forecast			X

VOITs Not Included in Annex 4

GoA Objective #	Canfor Objective #	Indicator	Reporting	Canfor Target	Meets	Does Not Meet	Pending
None	1.1.2	Percent distribution of forest type (treed conifer, treed broadleaf, treed mixed) > 20 years old across the DFA	Percent of DFA by forest type	Maintain the current baseline percent distribution of forest ypes (treed conifer, treed broadleaf, treed mixed) > 20 years old into the future			X
None	5.2.2	Training in environmental and safety procedures in compliance with company training plans	Number of Canfor Alberta staff and contractors with required environmental and safety training	100% of Canfor Alberta employees and contractors have required environmental and safety training	X		
None	5.2.3	Level of direct and indirect employment	Number of direct and indirect jobs created as a result of Canfor's annual production volume.	Report annually on trend of Canfor Alberta's level of direct and indirect jobs created from the DFA	X		
None	5.2.4	Opportunities for Aboriginal communities and contractors to participate in the forest economy	Economic opportunities provided to Aboriginal communities by Canfor	Maintain evidence that opportunities have been provided	X		
None	6.1.1	Canfor Alberta Woodlands employees will receive Aboriginal awareness training	Number of Canfor Alberta Woodlands staff that have received Aboriginal awareness training	100% of Canfor Alberta Forestry Supervisors, Coordinators, Superintendents, and the Operations Manager will receive credible and effective Aboriginal awareness training once every two years		X	
None	6.3.1	Relationships with other forest businesses and users	Number of forest products businesses that have a working relationship with Canfor Alberta	Evidence of minimum of 4 relationships with forest products businesses annually within the vicinity of the DFA	X		
None	6.3.2	Implementation and maintenance of a certified safety program	Percent of Canfor Alberta contractors that have COR or equivalent	100% of Canfor Alberta and eligible DFA-related contractors will obtain and maintain a Certificate of Recognition (COR) or equivalent	X		
None	6.3.3	Implementation and maintenance of a certified safety program	Percentage of suggestions for improvement from PIR audits with action plans developed	100% of recommendations from Partners in Injury Reduction (PIR) audits will be addressed and action plans implemented	X		
None	6.5.2a	CSA Z809-08 Sustainable Forest Management monitoring report made available to the public annually	Links to Canfor's publicly avaiable SFMP and APMRs	CSA Z809-08 Sustainable Forest Management Plan and Annual Performance Monitoring Report made available to the public annually on Canfor's external website	X		
None	6.5.2b	Percentage of public inquiries that receive an initial contact	Percentage of public inquiries to receive initial contact within one month	100% of all inquiries receive initial contact within one month of receipt	X		

APPENDIX 4: Detailed VOITs Table

Annex 4 VOITs

ESRD Planning Standard Annex 4								Canfor VOITs									
CCFM Criterion	**CSA SFM Element**	**Dynamic or Modeled**	**Value**	**Objective**	**Indicator**	**Target[1]**	**Reporting**	**Canfor SFMP VOIT #**	**Indicator**	**Target**	**Means to Identify Target**	**Legal/Policy Requirements**	**Means of Achieving Objective and Target**	**Monitoring and Measurement**	**Reporting**	**Acceptable Variance**	**Response**
1. Biological Diversity	1.1 Ecosystem Diversity Conserve ecosystem diversity at the landscape level by maintaining the variety of communities and ecosystems that occur naturally in the DFA	Modeled	1.1.1 Landscape scale biodiversity	1.1.1.1 Maintain biodiversity by retaining the full range of cover types and seral stages[3]	Area of old, mature, and young forest in each DFA subunit[4] by cover class[5]	Over the 200-year planning horizon; a) Gross landbase: greater than X% old forest, greater than Y% mature plus old forest, less than Z% young forest; and b) Net landbase: greater than X% old forest, greater than Y% mature plus old forest, less than Z% young forest Note: Old forest retention shall include the full natural range of ages	FMP: Tables of indicators (values and targets) at 0, 10, 50, 100, and 200 years. Maps of indicators at 0, 10 yrs., 50 years. Performance: Stewardship Report	1.1.3 (c)	Percent of area of pioneer, young, and old forest by Natural Region across the DFA	100% of pioneer, young and old forest by Natural Region will meet the Preferred Forest Management Scenario forecast	Seral stage targets are based on the natural range of variation (NRV) and the assumption that all native species and ecological processes are more likely to be maintained if managed forests are made to resemble forests created by natural disturbance agents, such as wildfires. Analysis of the effects of different fire return intervals on seral stage targets using Spatially Explicit Landscape Event Simulator (SELES) model.	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 1.1.1.1	SHS	Actual harvest levels will be compared to the Spatial Harvest Sequence of the Preferred Forest Management Scenario forecasts every 5 years	**FMP:** Tables of projections at 0, 10, 50, 100 and 200 years; and maps of projections at 0, 10, and 50 years by Natural Region by Cover Class. **Performance:** Stewardship Report and Canfor Annual Performance Monitoring report	+/-20% of the Preferred Forest Management Scenario 10 year forecast	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
		Modeled		1.1.1.2 Maintain biodiversity by avoiding landscape fragmentation	a) Range of patch[6] sizes by subunit and entire DFA	a) A distribution of harvest area sizes that will result in a patch size pattern over the 200 year planning horizon approximating patterns created by natural disturbances	FMP: Tables of area of forest in each patch size class by subunit at 0, 10, and 50 yrs. (or end of first rotation). Maps of patch size classes at 0, 10, and 50 yrs., (or end of first rotation). Performance: Stewardship Report	1.1.3 (b)	Range of patch sizes by subunit and entire DFA	Patch size distribution will achieve natural patch size distribution levels over the 200 year planning horizon	Patch size distribution targets were derived for the Boreal Forest and Foothills Natural Regions based on theoretical fire-return intervals (ORM. 2000). Targets for the Boreal Forest Natural Region were derived from measured patch size classes of four 20-year periods of unmanaged forests (Tanner, D. a. 1996); while targets for the Foothills Natural Region were based on the distribution of patch sizes in historical pre-suppression air photos of the Foothills Model Forest in Hinton, Alberta (Andison, 1997).	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 1.1.1.2a	SHS	The timber supply model forecasts the area of old interior forest by Natural Region from the Preferred Forest Management Scenario. Checks will be completed every 5 years to verify trend towards meeting predicted levels.	**FMP:** Tables of area of forest in each patch size class by subunit at 0, 10, and 50 yrs. (or end of first rotation). Maps of patch size classes at 0, 10, and 50 yrs., (or end of first rotation). **Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	+/-10% of the Preferred Forest Management Scenario 10 year forecast	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
		Modeled			b) Area of old interior forest[7] of each cover class by subunit and entire DFA	b) Area of old interior forest will not be less than X% of each cover class over the next 200 years	FMP: Maps and Tables of indicator at 0, 10, and 50 yrs. Performance: Stewardship Report	1.1.3 (a)	Area of old interior forest by natural region by cover class across the DFA	100% of area of old interior forest will be within the 10 year forecast by Natural Region	The amount of old interior forest is derived from the approved forest cover database (Alberta Vegetation Inventory) and a Geographical Information System (GIS) algorithm to extract the data. This initial level is used as a target for the remainder of the 200-year planning horizon.	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 1.1.1.2b	SHS	The timber supply model forecasts the area of old interior forest by Natural Region from the Preferred Forest Management Scenario. Checks will be completed every 5 years to verify trend towards meeting predicted levels	**FMP:** Maps and Tables of indicator at 0, 10, and 50 yrs. **Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	Area of old interior forest will not be less than 90% of the 10 year forecast by Natural Region of each cover class	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
		Dynamic		1.1.1.3 Maintain biodiversity by minimizing access	Open all-weather forestry road density by subunit	Less than X km/km^2	FMP: Table of road density by subunit at 0 and 10 years. Map of existing and proposed open and closed all weather roads. Report forestry roads and total (all users) roads. Performance: Stewardship Report	1.2.2 (d)	Density (lineal km/ km2) of open (License of Occupation and Temporary non-reclaimed) roads	Density of open roads (lineal km/km^2) not to exceed 0.6 km/km^2 for the primary Grizzly Bear Range and Caribou Range and 1.2 km/km^2 for the remainder of the Defined Forest Area parcels (Main, Puskwaskau & Peace) and secondary Grizzly Bear Range	The basis for the target is to minimize the footprint as it relates to roads and to align with an already identified target as indicated by research completed by Boulanger and Teahouse (The Impact of Roads on Demography of Grizzly Bears in Alberta, December 22, 2014). The same road density target for Caribou has also been identified in the Berland Smoky Regional Access Development Plan (October 14, 2011).	Canfor Forest Management Agreement area Operating Ground Rules; Alberta Forest Management Planning Standard; Federal Species at Risk Act; Alberta Wildlife Act	SHS and integrated land management with government and energy sector, including road deactivation and access restriction	Annually update the road data layer for the DFA for forestry and other industrial roads	**FMP:** Table of road density by subunit. Map of existing and proposed open and closed all weather roads. Report forestry roads and total (all users) roads. **Performance:** Stewardship Report	Road density will not exceed 0.66 km/km^2 in the primary Grizzly Bear and Caribou Range and 1.2 km/km^2 in the remainder of the DFA	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, this will be communicated to Environment and Sustainable Resource Development and course of action will be determined.

ESRD Planning Standard Annex 4								Canfor VOITs								
CCFM Criterion	**CSA SFM Element**	**Dynamic or Modeled**	**Value**	**Objective**	**Indicator**	**Target[1]**	**Reporting**	**Canfor SFMP VOIT #**	**Indicator**	**Target**	**Means to Identify Target**	**Legal/Policy Requirements**	**Means of Achieving Objective and Target**	**Monitoring and Measurement**	**Reporting**	**Acceptable Variance**	**Response**
		Dynamic			Open seasonal / temporary forestry road length by DFA	Less than X km by subunit	AOP and Stewardship Report	None	Open seasonal / temporary forestry road length by DFA	Density of open seasonal/ temporary forestry roads (lineal km/km^2) not to exceed 0.15 km/km^2 across the Defined Forest Area	The basis for the target is to minimize the footprint as it relates to open seasonal/temporary forestry roads. Minimizing the industrial footprint on the landscape through strategic road planning and prompt reclamation will maintain biodiversity by reducing access to areas from the public, habitat fragmentation, and impacts to water quality and quantity.	Same as above target	Same as above target	Same as above target	**FMP:** Table of road density by DFA. Map of existing and proposed open and closed all weather roads. Report forestry roads and total (all users) roads. **Performance:** Stewardship Report	Open seasonal/temporary forestry road density will not exceed 0.2km/km^2 across the DFA	Same as above target
		Dynamic		1.1.1.4 Maintain plant communities uncommon in DFA or province	Area or occurrence of each uncommon plant community within DFA	X% of identified community will be maintained (separate target for each identified community)	FMP: Table with descriptive list and targets. Map(s) displaying known locations of uncommon plant communities. Performance: Stewardship Report	1.1.1	Uncommon (Forest/Woodland) plant communities maintained	100% of identified uncommon (Forest/Woodland) plant communities will be maintained	The Alberta Conservation Information Management System website provides information on the type and potential location of uncommon (forest/woodland) plant communities. www.tpr.alberta.ca/parks/heritageinfocentre/default.aspx	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 1.1.1.4	Mapping of potential locations, training in identification, and development of protection strategies for identified sites.	A list demonstrating that Final Harvest Plans were compared to Alberta Conservation Information Management System classification and mapping for potential overlap will be maintained	**FMP:** Table with descriptive list and targets. Map(s) displaying known locations of uncommon plant communities. **Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; 100% of identified uncommon (Forest/Woodland) plant communities will be maintained	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
		Dynamic		1.1.1.5 Maintain unique habitats provided by wildfire and blowdown events	Area of unsalvaged burned forest	Live trees: Retain all unburned trees in green islands and retained patches recognizing timber condition, access, non-timber needs Burned trees - Compartment Scale: Retain greater than 10% of merchantable black trees in patches greater than 100 ha Burned trees - Harvest Area Scale: Retain greater than 10% of merchantable black trees in patches 10 -100 ha; and Retain greater than 5% of merchantable black trees in small patches, single trees according to loggers choice	FMP: Table and map of natural disturbances within the last 10 years - salvaged and unsalvaged. Report area (ha). Performance: Stewardship Report	1.1.4 (c)	Area of unsalvaged burned forest	100% of burned areas that have salvage plans will be implemented in conformance with Alberta Environment and Sustainable Resource Development's Directive	Alberta Environment and Sustainable Resource Development, Forest Management Branch, Directive 2007-1 (ESRD. 2007b) (or its successors) directs salvage plans and the retention required depending on burn size.	Alberta Environment and Sustainable Resource Development, Forest Management Branch, Fire Salvage Planning and Operations Directive 2007-1 (ESRD. 2007b); Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 1.1.1.5a	Fire histories are obtained from the Province. Alberta, Environment and Sustainable Resource Development, Forest Management Branch, Fire Salvage Planning and Operations Directive 2007-1 (ESRD. 2007b) directs salvage planning and operations.	Fire histories are obtained from the Province. All fires larger than 10 hectares in merchantable stands will be reported in the Annual Performance Monitoring Report. The Province will not approve salvage plans if they do not meet the Directive therefore; approval of the Salvage Plan denotes that the Directive was followed. All burned areas planned for salvage operations will have approved Salvage Plans.	**FMP:** Table and map of natural disturbances within the last 10 years -salvaged and unsalvaged. Report area (ha). **Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; 100% of burned areas that have salvage plans will be implemented in conformance with ESRD's Directive	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
		Dynamic			Area of unsalvaged blowdown	In areas of significant blowdown greater than X% will be left unsalvaged	Stewardship Report	1.1.4 (d)	Area of unsalvaged blowdown	In areas with significant blowdown (>10ha), a minimum of 25% of the area will be left un-salvaged	Salvaging areas of blowdown timber to maintain forest growth include the retention of some area to remain for plants and animals that rely on blowdown/course woody debris for habitat	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 1.1.1.5b	Salvage plans will ensure that at least 25% of the cumulative area is not salvaged.	Staff or government may identify areas of blowdown during their field duties. All areas larger than 10 hectares will be tracked and summarized.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; A minimum of 25% of blowdown areas will be left un-salvaged	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
		Dynamic		1.1.1.6 Retain ecological values and functions associated with riparian zones	Compliance with OGR	Consistent with OGR	Performance: Stewardship Report	1.1.4 (b)	Number of non-compliances where forest operations are not consistent with riparian management requirements as identified in operation plans (same metric as for 3.2.2.1)	Zero non-compliances, specific to Operating Ground Rules, with riparian management requirements in forest operations	Operating Ground Rules infractions involving riparian areas reported to the Province, or found by the Province will be reported.	Timber Management Regulations; Canfor Forest Management Agreement area Operating Ground Rules; Federal Fisheries Act; Water Act; and Alberta Forest Management Planning Standard, Annex 4 – Performance Standards	Block and road layout prior to harvest requires the identification of all riparian areas (as per Operating Ground Rules). Operating and road maintenance plans will include operational strategies for riparian areas.	Self-reporting, Internal/External audits, final harvest inspections, and Forest Operations Monitoring Program.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	Zero non-compliances, specific to Operating Ground Rules, with riparian management requirements in forest operations	Remediation of any outstanding issues is the first priority. All incidents are investigated. Root cause analysis is conducted where the cause is not clear. Strategies and procedures will be modified where appropriate.

ESRD Planning Standard Annex 4								Canfor VOITs								
CCFM Criterion	**CSA SFM Element**	**Dynamic or Modeled**	**Value**	**Objective**	**Indicator**	**Target[1]**	**Reporting**	**Canfor SFMP VOIT #**	**Indicator**	**Target**	**Means to Identify Target**	**Legal/Policy Requirements**	**Means of Achieving Objective and Target**	**Monitoring and Measurement**	**Reporting**	**Acceptable Variance**	**Response**
		Dynamic	1.1.2 Local/stand scale biodiversity	1.1.2.1 Retain stand level structure	a) % area / volume / stems residual structure (both living and dead), within a harvest area, representative of the status (live / dead), sizes, and species of the overstorey trees by subunit and entire DFA	a) A combination of single stems, clumps, and islands comprising X% of the harvested area / volume / stems within a subunit Note: A wide range in variability in harvest area-level retention within a subunit is desired as long as the target level is achieved	Performance: Stewardship Report	1.1.4 (a)	Percent of representative merchantable area of the total annual harvested area retained as structure retention across the Defined Forest Area	On a 5 year rolling average, no less than 4% of the area (ha) harvested will be retained as representative merchantable un-harvested and dispersed structure retention across the Defined Forest Area	Based on ecological considerations, local knowledge, and recommendations from ESRD specialists	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards; Occupational Health and Safety Act; and Forest and Prairie Protection Act.	The design and layout phase will identify planned retention. The retention areas will be classified as non-merchantable and merchantable for the purpose of calculating area retained.	The amount of structure retained on harvest areas will be measured annually by using GPS technology or interpreted digital imagery.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No less than 3.0% of the 5 year rolling average harvested area (ha) will be left un-harvested as representative structural retention	Adjust activities
		Dynamic			b) Percentage of harvested area by subunit with downed woody debris[8] equivalent to preharvest conditions	b) X% of harvest areas having downed woody debris retained on site	Performance: Report % of harvest areas with retained downed woody debris	3.1.2	Percentage of harvested area by subunit with coarse woody debris equivalent to pre-harvest conditions	100% of subunits (Peace, Puskwaskau and Main) will meet or exceed coarse woody debris conditions equivalent to the pre-harvest state	Pre-harvest levels were determined by localized data collected from Canfor's 1997 temporary sample plot program.	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 1.1.2.1b	Harvesting operations will retain coarse woody debris throughout the block.	Ocular to verify presence or absence of coarse woody debris as outlined in "Canfor Coarse Woody Debris Best Management Practices Appendix 7"	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; 100% of subunits (Peace, Puskwaskau and Main) will meet or exceed coarse woody debris conditions equivalent to the pre-harvest state	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
		Dynamic		1.1.2.2 Maintain integrity of sensitive sites	Sensitive sites (e.g. mineral licks, major game trails) by subunit and entire DFA	Strategies to maintain consistent with provincial guidelines / OGR	Performance: Stewardship Report	1.2.1 (b)	Percentage of significant wildlife mineral licks conserved	100% of significant wildlife mineral licks will be conserved annually, consistent with Operating Ground Rules	Canfor Forest Management Agreement area Operating Ground Rules (ESRD. 2011) incorporate mineral licks as sensitive sites.	Canfor Forest Management Agreement area Operating Ground Rules state the required protection parameters; Alberta Forest Management Planning Standard, Annex 4 – Performance Standard 1.1.2.2	Management activities include identification, verification and buffering of significant wildlife mineral licks. Field staff are trained in the identification of wildlife mineral licks. Information on identifying wildlife licks, as well as other wildlife areas, are provided to all field layout staff and contractors.	The sites are spatially stored in Canfor Alberta's Geographic Information System (GIS) and new sites are updated annually. All blocks from the previous harvest season will be spatially compared to Canfor's wildlife mineral lick layer to ensure that no infraction has occurred unless approved in the Final Harvest Plan for some overriding reason	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance unless there is an approved ground rule deviation	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
		Dynamic						1.4.1 (b)	Percent of forest management activities consistent with management strategies for sites of biological significance	100% of identified biologically significant sites will have implemented management strategies identified in consultation with the Province	Canfor operations are directed by the Operating Ground Rules and Forest Management Plan. Each of these includes considerations for sites of biological significance.	Canfor Forest Management Agreement area Operating Ground Rules; Alberta Forest Management Planning Standard, Annex 4 – Performance Standards	All operating plans are reviewed, approved, and monitored by the Province to ensure that the intent of the Operating Ground Rules and the Forest Management Plan are being implemented on the ground.	Operating Plans and approval documents will be reviewed annually to determine the number of additional sites of biological significance.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; all identified special biologically significant sites will have management strategies developed with the Province	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
		Dynamic		1.1.2.3 Maintain aquatic biodiversity by minimizing impacts of water crossings	Forestry water crossings in compliance with Code of Practice for Water Course Crossings within each subunit	Designs meet standards of the Code of Practice for Water Course Crossings	Performance: Stewardship Report: AOP, number of crossings by type within each subunit by compliance status	3.2.1 (c)	Forestry water crossing construction and maintenance work in compliance with Code of Practice for Water Course Crossings or Operating Ground Rules within each subunit	100% of forestry water crossing construction and maintenance work in compliance with Code of Practice for Water Course Crossings or Operating Ground Rules	The Code of Practice for Watercourse Crossings applies to any crossings with a culvert 1.5 meters and larger in diameter, or bridges with more than a single span. The Operating Ground Rules apply to all smaller crossings not covered by the Code.	Code of Practice for Water Course Crossings, Section 7 to 9 and Schedule 2; Water Act; Timber Management Regulations; Canfor Forest Management Agreement area Operating Ground Rules; Alberta Forest Management Planning Standard, Annex 4 – Performance Standards	The Annual Operating Plan includes a Road Maintenance, Construction and Abandonment Plan. Included in this plan is a listing of all work to be completed on roads and crossings. The approval of this plan will ensure that all crossings were planned in accordance to the Code or the Operating Ground Rules, whichever apply.	The Annual Operating Plan includes a Road Maintenance, Construction and Abandonment Plan. Annually, in April of each year, the Road Maintenance, Construction and Abandonment Plan will be checked to ensure that all crossings were planned using either the Code, or the Ground Rules, whichever apply.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report, and AOP	No variance; all construction and maintenance work will have the required approvals and will be carried out in compliance with Code of Practice for Water Course Crossings or Operating Ground Rules	If the target is not met a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
		Dynamic						3.2.1 (b)	Drainage structures with identified water quality concerns that have mitigation strategies implemented	100% of medium and high hazard drainage structures will have mitigation strategies implemented according to the road maintenance plan for permanent Canfor Alberta roads	Foothills Stream Crossing Program	Federal Fisheries Act; Canfor Forest Management Agreement area Operating Ground Rules; Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 3.2.1.1	Annual inspections are compiled and entered into the stream crossing database. Those structures with a high or medium risk for adverse impact will be considered for remedial action based on timing of budget development and availability of resources for the following field season.	Number of crossings that received required maintenance as per the number of crossings identified for repairs in the remediation plan	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report, and AOP	90% of medium and high hazard drainage structures will have mitigation strategies implemented according to the road maintenance plan for permanent Canfor Alberta roads	If the target is not met a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.

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CCFM Criterion	**CSA SFM Element**	**Dyanamic or Modeled**	**Value**	**Objective**	**Indicator**	**Target[1]**	**Reporting**	**Canfor SFMP VOIT #**	**Indicator**	**Target**	**Means to Identify Target**	**Legal/Policy Requirements**	**Means of Achieving Objective and Target**	**Monitoring and Measurement**	**Reporting**	**Acceptable Variance**	**Response**
	1.2 Species Diversity Conserve species diversity by ensuring that habitats for the native species found in the DFA are maintained throughout time.	Dynamic	1.2.1 Viable populations of identified plant and animal species	1.2.1.1 Maintain habitat for identified high value species (i.e., economically valuable, socially valuable, species at risk, species of management concern)	Area (ha) of suitable habitat within the DFA or subunit OR Specific population parameter(s) (e.g. trends, distribution, absolute size, recruitment) for the DFA or subunit	Maintain above X hectares OR Maintained or increased	FMP: For species with a suitable habitat target provide tables of area (ha) of suitable habitat at 0, 10, 50, 100, and 200 years. Maps of suitable habitat at 0, 10, and 50 years. OR For species with population parameter targets provide table with current parameter. Performance: Stewardship Report	1.2.1 (a)	Trumpeter swan habitat maintained	No future winter harvest within 200 meters and no summer harvesting within 800 meters of provincially identified Trumpeter Swan sites	Alberta Wildlife Act and OGRs	Canfor Forest Management Agreement area Operating Ground Rules; Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 1.2.1.1; Federal Species at Risk Act; Alberta Wildlife Act	At the strategic level, the Trumpeter Swan buffer areas will be withdrawn from the timber harvesting landbase. Canfor staff will check annually in the spring with ESRD Fish and Wildlife for any new or excluded Trumpeter Swan sites in the DFA. At the preliminary design phase, those Trumpeter Swan sites will be identified and a no harvest buffer within 200m of site during winter harvest and 800m during summer harvest will be planned.	Overlay previous season's harvested blocks to Trumpeter Swan buffers in Geographic Information System. Any overlaps will be considered as an infraction, unless approved in the Final Harvest Plan for some overriding reason.	**FMP:** Maps **Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance unless there is an approved ground rule deviation	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
		Dynamic						1.2.2 (a) (1)	Sufficient amount of functional woodland caribou habitat over time (3 targets associated with this indicator)	• No timber harvesting will occur in the Conservation zone identified within the Little Smoky/A La Peche ranges for the period of May 1, 2014-April 30, 2024 • No timber harvesting will occur in the Timber Supply Subunits DS3, DS4 and DS5 within the Little Smoky range for the period May 1, 2014-April 30, 2019 • No timber harvesting will occur in the Timber Supply Subunits DS1, DS2, DS6 and DS7 within the Little Smoky range for the period May 1, 2014-April 30, 2024	The commitment to forego timber harvesting in the Conservation Zone and certain Timber Supply Subunits for an extended period of time assists in the maintenance of existing caribou habitat values and works towards achieving the Federal Recover Strategy Target of reducing habitat disturbance in the range to 65%.	Canfor Forest Management Agreement area Operating Ground Rules; Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 1.2.1.1; Federal Species at Risk Act; Alberta Wildlife Act	No harvesting is sequenced in the Conservation Zone identified within the Little Smoky/A La Peche range for the period May 1, 2014-April 30, 2024; Timber Supply Subunits DS3, DS4 and DS5 within the Little Smoky range for the period May 1, 2014-April 30, 2019; and in the Timber Supply Sub-Units DS1, DS2 DS6 and DS7 within the Little Smoky range for the period May 1, 2014-April 30, 2024.	Overlay all harvested areas with the Caribou Management Zones and verify no harvesting has occurred where harvesting deferrals have been committed to.	Report on amount of harvesting occurred in the conservation and expansion zones by timber supply unit.	None	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
		Dynamic						1.2.2 (a) (2)		All future harvested areas, excluding the deciduous broad cover group, in all identified Caribou Management Zones will be reforested to a coniferous standard to reduce alternate prey habitat	Recently harvested blocks create ideal vegetation for alternate prey (moose and deer). As the moose and deer populations increase so does the wolf population which has a direct impact on caribou populations.		The company's silviculturist will monitor all harvested blocks and conduct vegetation management activities where required to reduce alternate prey habitat.	Compare the amount of mixedwood area harvested to the amount of area being transitioned to coniferous	Report on area of mixedwood stands harvested within the caribou management area and the amount of area that is planned to be transitioned to pure conifer.	90% of mixedwoods will be transitioned to conifer	
		Dynamic						1.2.2 (a) (3)		Canfor Alberta will have zero contribution to open-route density south of the Deep Valley	The ACC-Recommendations (ACC. 2008) document states that research has demonstrated that increased anthropogenic footprint, such as linear disturbances, and declining caribou populations are correlated.		All Canfor Alberta roads required to access harvest areas south of Deep Valley creek will be constructed to temporary Class III or lower standards for winter use only and will be promptly deactivated each spring. Any Canfor Alberta owned bridges across Deep Valley Creek will be available for winter use only.	All open-route access (i.e. Class I and II roads accessible by 4x4 vehicles in summer) are tracked in the Cengea Road Management System.	Report on status of Canfor's roads south of the Deep Valley Creek	None	

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		Dynamic						1.2.2 (b)	Fish risk ranking for bull trout and arctic grayling	100% of watersheds with a high or very high fish risk ranking and >25% Canfor influence will be assessed using Canfor's Fish Risk Flow Chart and have mitigations strategies scheduled and implemented	Fish risk is determined by calculating the road density (km/km^2) utilizing the conceptual approach to fish ranking developed by ESRD.	Canfor Forest Management Agreement area Operating Ground Rules; Alberta Forest Management Planning Standard; Federal Species at Risk Act; Alberta Wildlife Act	Canfor Alberta's current road layer will be updated with new permanent and temporary roads used for the extraction of timber. The road density from this calculation will determine the fish risk ranking based on ESRD's "Conceptual Approach to Fish Risk". Through monitoring fish risk using road densities, forest managers will be able to identify the higher risk watersheds and collaboratively work with government to determine types of mitigation strategies that will reduce the risk to Bull Trout and Arctic Grayling fish populations.	Report annually the fish risk for Bull Trout and Arctic Grayling by watershed through calculating road density (Km/Km^2) of permanent and non-reclaimed temporary forest industry roads within the Main parcel of the Defined Forest Area. The watersheds will be assessed and prioritized using Canfor's Fish Risk Flow Chart. All planned mitigation strategies will be entered into the Foothills Stream Crossing Partnership database and completed activities reported in Canfor's Annual Operating Plan Completed Structure Maintenance Table.	**FMP:** Maps and Tables of indicator **Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	90% of identified very high and high risk watersheds with >25% Canfor influence will have mitigation strategies scheduled and implemented according to plan	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, this will be communicated to Environment and Sustainable Resource Development and course of action will be determined.
		Modeled						1.2.2 (c)	Amount of barred owl habitat available for breeding pairs	The amount of the potential Barred Owl habitat for breeding pairs will not be less than 10% of current levels across the DFA	The Alberta Vegetation Inventory based Barred Owl habitat model was developed to estimate the spatial extent of potential Barred Owl breeding territories on the landscape (Russell, M. 2008). This model will be included in the Spatial Harvest Sequence runs and will be consistent with the planning standard (0, 10, 20, 50, 100 and 200 yrs.).	Alberta Forest Management Planning Standard; Federal Species at Risk Act; Alberta Wildlife Act	The Barred Owl model developed by ESRD will be run concurrently with timber supply scenarios. The outputs of the model will be used to support future management decisions that may influence potential Barred Owl habitat. Operating plans will be consistent with the SHS of the PFMS.	The timber supply model forecasts the area of Barred Owl habitat from the PFMS. Checks will be completed every 5 years to verify trend towards meeting the predicted levels.	**FMP:** Maps and Tables of indicator **Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	The amount of potential Barred Owl Habitat will not be less than 15% of current levels across the DFA	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, this will be communicated to Environment and Sustainable Resource Development and course of action will be determined.
	1.3 Genetic Diversity Conserve genetic diversity by maintaining the variation of genes within species.	Dynamic	1.3.1 Genetic integrity of natural tree populations	1.3.1.1 Retain "wild forest populations"[9] for each tree species in each seed zone through establishment of in-situ reserves by the organization or in cooperation with Alberta	Number and area (ha) of in situ genetic conservation areas	Number (X) of genetic conservation areas for each seed zone conforming with Section 3 of the Green Area section of Standards for Tree Improvement in Alberta	FMP: Table showing number of genetic conservation areas required in each seed zone and number provided in DFA. Map showing locations of genetic conservation areas. Performance: Stewardship Report	1.2.3	Regeneration will be consistent with provincial regulations and standards for seed and vegetative use	100% conformance with the Alberta Forest Genetics Resources Management and Conservation Standards (FGRMS)	Following FGRMS will ensure that seedlings and vegetative material collected and used in reforestation programs meet the genetic requirements of the Province. The FGRMS ensures that there is genetic diversity in those seedlots. FGRMS applies to both forest collected and orchard seed.	Timber Management Regulations; Alberta Forest Genetic Resources Management and Conservation Standards; Alberta Forest Management Planning Standard, Annex 4-Performance Standards	Silviculture staff are required to follow FGRMS.	Data entry into the Alberta Reforestation Information System allows the Province to audit the company's results. Use of the company's database, (Cengea Forest Resources or its successor) provides the tools internally to make reforestation plans that meet the regulations.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; all regeneration will be consistent with the FGRMS	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
		Dynamic		1.3.1.2 Retain wild forest genetic resources through ex-situ conservation	Number of provenances and genetic lines in ex-situ gene banks and trials	Active conservation program for all Controlled Parentage Program plan species and other species in cooperation with Alberta	FMP: Table showing number of genetic conservation areas required in each seed zone and number provided in DFA. Map showing locations of genetic conservation areas.	1.3	Regeneration will be consistent with provincial regulations and standards for seed and vegetative use	100% conformance with the Alberta Forest Genetic Resources Management and Conservation Standards (FGRMS) for all seed collection and seedling deployment	The Alberta FGRMS set the standard for the use of seed and vegetative material that can be used in reforestation programs.	Timber Management Regulations; Alberta Forest Genetic Resources Management and Conservation Standards; Alberta Forest Management Planning Standard, Annex 4-Performance Standards	Silviculture staff are required to follow FGRMS.	Data entry into the Alberta Reforestation Information System allows the Province to audit the company's results. Use of the company's database, (Cengea Solutions Inc. or its successor) provides the tools internally to make reforestation plans that meet the regulations. Information provided to the contractor will identify correct deployment of seedlings	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; All regeneration will be consistent with the FGRMS	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.

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	1.4 Protected Areas - Respect protected areas identified through government processes	Dynamic	1.4.1 Areas with minimal human disturbances within managed landscapes	1.4.1.1 Integrate transboundary values and objectives into forest management	Stakeholder consultation	Ongoing consultation with relevant protected areas agencies	Performance: Stewardship Report	1.4.1(a)	Percent of forest management activities where consultation has occurred for operations near protected park areas	The Province will be consulted 100% of the time when operations will occur within one kilometer of legally protected park areas	Link to consultation objective in Planning Standard and CSA Z809-08 indicator 1.4.1	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards	When harvesting operations are planned to occur near legally protected areas such as the Dunvegan West Wildland Park, the government department responsible for that area will be consulted.	Evidence that consultation has occurred for operations within 1km of protected park boundaries will be recorded in Canfor's Creating Opportunities for Public Involvement database.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; All planned harvest within one kilometer of a Protected Park Area will have consultation records	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
		Dynamic						1.4.2	Percent of identified historic, sacred and culturally important sites, forest values, traditional knowledge and uses considered in the planning process	100% of historic, sacred and culturally important sites, forest values, traditional knowledge and uses known or identified through communication are considered in forestry planning processes	Linked to consultation objective in Planning Standard and Alberta's expectations in *Government of Alberta Proponent Guide to First Nations Consultation Procedures for Land Dispositions (February, 2015)*	Alberta's First Nation's Consultation Guidelines on Land and Natural Resource Management (July 2014); Government of Alberta Proponent Guide to First Nations Consultation Procedures for Land Dispositions (February, 2015); Alberta Historical Resources Act; Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 6.1.1.1	Canfor Alberta uses a database called Creating Opportunities for Public Involvement (COPI) to keep record of all attempts to consult, items discussed, actions, and follow-up. The details that are entered into COPI will be in accordance with Alberta's Procedural Steps for Consultation with Aboriginal Groups. Historic sites are identified, evaluated, and managed through the archaeological process.	All records of consultation will be entered into COPI. Archeological assessments are tracked for all blocks in Canfor's Cengea Database. Status reports can be created from this database as a method of monitoring.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; all identified sites will be considered	If the targets are not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
2.) Ecosystem Productivity	2.1 Ecosystem resilience	Dynamic	2.1.1 Reforested harvest areas	2.1.1.1 Meet reforestation targets on all harvested areas	Annual % of SR regeneration surveys	Set target based on timber supply analysis	ARIS, AOP, Stewardship Report	2.1.1 (a)	Prompt reforestation	100% of all harvested blocks will be reforested within 2 years	ARIS Reports	Timber Management Regulation; Canfor Forest Management Agreement area Operating Ground Rules	All harvested blocks will have reforestation strategies/activities scheduled for completion no more than 2 years after harvest.	A database query of the reforestation activities completed by April 30th of the following year will be compared to the harvesting report. Any blocks that do not meet the 2-year reforestation requirement will be reported as an infraction in Canfor's Incident Tracking System.	**Performance:** ARIS, AOP, Stewardship Report, Canfor Annual Performance Monitoring Report	No variance; 100% of all harvested blocks will be reforested within 2 years. Planting of top piles and roads are not considered in this target as they may be completed later than two years to accommodate the burning of top piles	If the targets are not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
		Dynamic						2.1.1 (b)	Prompt reforestation of failed areas	All harvested blocks that have not achieved the regeneration targets as per the Regeneration Standards of Alberta establishment survey standards will have remedial treatments completed within 12 months of the survey date	Prompt retreatment of areas not successfully reforested on the initial treatment, as defined in the Regeneration Standards of Alberta (RSA).	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 2.1.1.1; Timber Management Regulations; Regeneration Standards of Alberta	When establishment surveys are completed, a list of blocks requiring remedial treatment is generated. Remedial treatments will be planned and completed within 12 months of the survey dates.	Any blocks that did not receive remedial treatment within 12 months of the regeneration survey date will be entered into Canfor's Incident Tracking System as an infraction.	**Performance:** ARIS, Stewardship Report, Canfor Annual Performance Monitoring Report	A six-month variance to the twelve-month retreatment period will apply for up to 50% of the blocks requiring remediation treatments. The six months allows for surveys done in the spring of one year to have treatments done in the following summer when seedlings may not be available the first summer	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
		Dynamic			Cumulative % of reforested areas that meet reforestation target	As above	AOP and Stewardship Report	2.1.1 (c)	3	The regenerated stand yield (Mean Annual Increment) for the total of all sampling populations will meet or exceed the regenerated stand yield assumptions of the Timber Supply Analysis in the Regeneration Standards of Alberta performance survey process	Regeneration Standards of Alberta provides the tools to measure and report the growth predictions of reforested stands in comparison to the yield expectations of the Timber Supply Analysis.	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 5.2.3.1; Timber Management Regulation; Regeneration Standards of Alberta	Prompt and effective reforestation programs will create regenerating stands. Upon completion of initial reforestation treatments, there are additional programs to monitor regeneration success prior to conducting a Regeneration Standards of Alberta performance survey. The Regeneration Standards of Alberta process provides the tools to measure and compare yields.	All Regeneration Standards of Alberta program results will be reviewed and compared to Forest Management Plan mean annual increment targets. The Regeneration Standards of Alberta results are accumulated and incorporated into future forest management plan Timber Supply Analysis.	**Performance:** ARIS, Stewardship Report, Canfor Annual Performance Monitoring Report	The 5 year average must meet the mean annual increment targets for the current quadrant period	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.

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		Dynamic	2.1.2 Maintenance of forest landbase	2.1.2.1 Limit conversion of productive forest landbase to other uses	Amount of change in forest landbase	A program to maintain the forest landbase	Stewardship Report	2.2.1/4.2	Percent of gross forested land base in the DFA converted to non-forest land use through forest management activities	Forest management company activities not to exceed 3% reduction in gross Defined Forest Area over the life of the Forest Management Agreement (May 26, 1964)	Forest inventory and landuse data	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 2.1.2.1 and 4.2	Maintain current forest cover inventory and land use updates. Work with other industrial users to coordinate plans and promote the practice of Integrated Land Management.	Conversion to non-forest landuse includes construction of roads, gravel pits, camp clearings etc. All new dispositions will be quantified on the forest landbase annually.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; forest management company activities will not exceed 3% reduction in gross Defined Forest Area over the life of the Forest Management Agreement (May 26, 1964)	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
		Dynamic		2.1.2.2 Recognize lands affected by insects, disease or natural calamities	Amount of area affected	Area (ha) affected by significant outbreaks, infestations, natural calamities	AOP and Stewardship Report	None	Presence or absence, or area affected by significant outbreaks, infestations, and natural calamities	Report on presence or absence, or area affected by significant outbreaks, infestations, natural calamities	To maintain healthy forests it is important to monitor and track insect and disease outbreaks as well as other natural calamities that can affect the forest ecosystem productivity	Alberta Forest Management Planning Standard, Annex 4 - Performance standards 2.1.2.2	Forest health surveys, inventory updates, ESRD surveys, Canfor staff and contractor identification and reporting	Annually obtain records from ESRD and report any findings to ESRD	**Performance:** Stewardship Report, and Canfor Annual Performance Monitoring Report	None	Adjust activities
		Dynamic	2.1.3 Control invasive species	2.1.3.1 Control non-native plant species (weeds)	Noxious weed program	Noxious weed program in place and implemented	Inspections summarized in Stewardship Report	2.1.1 (d)	Noxious weed program implementation	100% of noxious weeds identified along Canfor Alberta's dispositions will have treatments scheduled and completed according to the plan	*ESRD Directive No. 2001-06 Weed Management in Forestry Operations*	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 2.1.3.1; Weed Control Act part 1, ESRD Directive 2001-6	Canfor staff are required to complete noxious weed training in which reporting procedures are outlined. Canfor staff and the municipal weed inspectors collect locations and species of weeds identified on the Defined Forest Area. Data is entered into the Cengea Solutions Inc. database and is compiled in the Road Maintenance Plan when along surface dispositions and as a "Noxious Weeds" activity in Cengea when identified in timber dispositions.	Treatments of identified noxious weeds scheduled in the Road Maintenance Plan or Cengea "Noxious Weeds" activity	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	90% of identified weeds must be treated	Adjust activities
3. Soil and water	3.1 Soil quantity and quality	Dynamic	3.1.1 Soil productivity	3.1.1.1 Minimize impact of roading and bared areas in forest operations	Compliance with OGRs	Less than 5%	Inspection reporting	3.1.1 (a)	Percent of harvested blocks meeting soil disturbance objectives identified in plans and Operating Ground Rules	100% of harvested blocks will not exceed 5% soil disturbance without government approval as outlined in Canfor Operating Ground Rules	The Operating Ground Rules 9.0.3 state that the area disturbed by roads cannot exceed 5% of the block area without specific approval	Canfor Operating Ground Rules; Timber Management Regulations; 1994 Forest Soils Conservation Guidelines (or its successors)	The Final Harvest Plan lists the blocks to be harvested, and the percentage of area to be occupied by roads planned for each individual block.	The percent of road area is calculated and reported annually to the Province. After harvesting is completed, area of as built roads will be recalculated and compared to the approved blocks that exceeded the 5% disturbance.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; 100% of harvested blocks will not exceed 5% soil disturbance without government approval as outlined in Canfor Operating Ground Rules	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified
		Dynamic		3.1.1.2 Minimize incidence of soil erosion and slumping	Incidence of soil erosion and slumping	Complete compliance	Inspection reporting	3.1.1 (b)	Percent of soil erosion and slumping incidences with mitigation strategies implemented	100% of known significant erosion and slumping events caused by forest operations will have mitigation strategies implemented within one year of identification	Erosion and slumping can reduce the productivity of the forest soils. Operational practices that promote soil stability and minimize soil movement will be implemented	Canfor Forest Management Agreement area Operating Ground Rules; Timber Management Regulation; Soil Guidelines; Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 3.1.1.2	All significant in block slumps greater than 1000 m2 and erosion events on roads where the erosion is greater than 20 cm deep by 3 meters, caused by forest industry activities, will be documented with root cause investigations.	Ensure that identified soil erosion and slumping events have a mitigation strategy entered into Canfor's Incident Tracking System and those scheduled strategies are completed in accordance to the plan.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; all reportable incidents will have mitigation strategies implemented within one year of identification	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
	3.2 Water quantity and quality	Dynamic	3.2.1 Water quantity	3.2.1.1 Limit impact of timber harvesting on water yield	Forecast impact of timber harvesting on water yield.	Zero Water Act penalties, Complete compliance with FMP	Stewardship Report	3.2.1 (a)	Watersheds with high risk level assessments with mitigation strategies implemented	100% of watersheds with a moderate or high risk level will have approved mitigation strategies implemented	ESRD Watershed Hazard Assessment projects changes to the flow regime (frequency, timing and magnitude of peaks and low flows) from the planned harvesting.	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 3.2.1.1; Water Act	ESRD's Watershed Hazard Assessment will be used for the 2015 FMP. Watersheds projected to reach high or moderate risk levels based on the 10 year SHS will have mitigation strategies implemented, in consultation with ESRD.	Determine the watershed risk rankings. Report on which of those watersheds has mitigation strategies implemented.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; all high and moderate risk ranked watersheds based on the 10 year SHS with scheduled operations will have mitigation strategies implemented, in consultation with ESRD	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.

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CCFM Criterion	**CSA SFM Element**	**Dynamic or Modeled**	**Value**	**Objective**	**Indicator**	**Target[1]**	**Reporting**	**Canfor SFMP VOIT #**	**Indicator**	**Target**	**Means to Identify Target**	**Legal/Policy Requirements**	**Means of Achieving Objective and Target**	**Monitoring and Measurement**	**Reporting**	**Acceptable Variance**	**Response**
		Dynamic	3.2.2 Effective riparian habitats	3.2.2.1 Minimize impact of operations in riparian areas	Riparian buffers maintained as outlined in OGRs	Complete compliance	AOP	1.1.4 (c)	Number of non-compliances where forest operations are not consistent with riparian management requirements as identified in operation plans (same metric as 1.1.1.6)	Zero non-compliances, specific to Operating Ground Rules, with riparian management requirements in forest operations	Operating Ground Rules infractions involving riparian areas reported to the Province, or found by the Province will be reported.	Timber Management Regulations; Canfor Forest Management Agreement area Operating Ground Rules; Federal Fisheries Act; Water Act; and Alberta Forest Management Planning Standard, Annex 4 – Performance Standards	Block and road layout prior to harvest requires the identification of all riparian areas (as per Operating Ground Rules). Operating and road maintenance plans will include operational strategies for riparian areas.	Self-reporting, Internal/External audits, final harvest inspections, and Forest Operations Monitoring Program.	**Performance:** AOP, Stewardship Report, and Canfor Annual Performance Monitoring Report	Zero non-compliances, specific to Operating Ground Rules, with riparian management requirements in forest operations	Remediation of any outstanding issues is the first priority. All incidents are investigated. Root cause analysis is conducted where the cause is not clear. Strategies and procedures will be modified where appropriate.
4. Global Ecological Cycles	4.1 Carbon uptake and storage	Modeled	To be determined	To be determined	Results of carbon budget modeling	To be determined		4.1.1	The tonnes of carbon stored in each of the carbon pools	Achieve 100% of the carbon stored in each of the carbon pools as defined by the Preferred Forest Management Scenario forecast	CFS-CBM-3 model developed by the Canadian Forest Service	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 4.1	The CFS-CBM-3 model developed by the Canadian Forest Service has been used to forecast the amount of carbon stored in each carbon pool under the Preferred Forest Management Scenario. Following this harvest forecast will result in achieving these target values on the ground.	Future forest modelling will include this indicator and changes to management assumptions will be assessed based on their impacts to carbon sequestration.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	+/-20% of the Preferred Forest Management Scenario for the 10 year forecast values	If the target is not met a root cause analysis will be completed to determine cause. Once cause is determined the process may be modified.
	4.2 Forest land conversion	Dynamic	See 2.1.2 above					2.2.1/4.2	Percent of gross forested land base in the DFA converted to non-forest land use through forest management activities	Forest management company activities not to exceed 3% reduction in gross Defined Forest Area over the life of the Forest Management Agreement (May 26, 1964)	Forest inventory and landuse data	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 2.1.2.1 and 4.2	Maintain current forest cover inventory and land use updates. Work with other industrial users to coordinate plans and promote the practice of Integrated Land Management.	Conversion to non-forest landuse includes construction of roads, gravel pits, camp clearings etc. All new dispositions will be quantified on the forest landbase annually.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; Forest management company activities will not exceed 3% reduction in gross Defined Forest Area over the life of the Forest Management Agreement (May 26, 1964)	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
5. Multiple Benefits to Society	5.1 Timber and non-timber benefits	Dynamic	5.1.1 Sustainable timber supplies	5.1.1.1 Establish appropriate AACs	Process described in Annex 1 is followed and standards are met	Complete compliance	Progressive and continuous	2.2.2/5.1.1 (a)	Percent of volume harvested compared to long term harvest level	Not to exceed 100% of the approved harvest level (Annual Allowable Cut) over 5 years (5 yr. quadrant balance)	The Timber Supply Analysis is developed as per the legal requirements of the Forest Management Agreement (Alberta. 2015).	Alberta Forest Management Planning Standard; Forest Act; Timber Management Regulation; Forest Management Agreement	The reconciliation is a comparison of the actual versus allowed harvest levels. The target ensures that the company does not over-harvest.	Actual annual harvested volume is obtained from the Timber Product Revenue System (TPRS) audit completed by ESRD and is reported in the General Development Plan and the Annual Performance Monitoring Report. Evaluation of performance to this target will be done when TPRS audited quadrant volumes are available.	**Performance:** AOP/GDP, Stewardship Report and Canfor Annual Performance Monitoring Report	The actual quadrant harvest volume will not exceed 5% of the allowable harvest level.	Adjust activities
	5.2 Communities and Sustainability	Dynamic	5.2.1 Risk to communities and landscape values from wildfire is low.	5.2.1.1 To reduce wildfire threat potential by reducing fire behaviour, fire occurrence, threats to values at risk and enhancing fire suppression capability	1) Percentage reduction in Fire Behaviour Potential area (ha) within the FireSmart Community Zone	1) Reduce the area (ha) in the extreme and high Fire Behaviour Potential rating categories by X% within the FireSmart Community Zone	FMP: Maps and Tables of indicator at 0, 10, 20, and 50 yrs. Performance: Stewardship Report	None	Percentage reduction in Fire Behaviour Potential area (ha) within the FireSmart Community Zone	Reduce the area (ha) in the extreme and high Fire Behaviour Potential rating categries by 0.8% within the combined FireSmart Community Zones over a 10 year period	ESRD has completed a landscape fire assessment on the DFA to identify the current status in regards to Fire Potential Behaviour. Canfor is able to reduce the Fire Potential Behaviour in adjacent Fire Community Zones and the DFA by harvesting stands assessed as extreme and high Fire Behaviour Potential.	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 5.2.2.1	Through implementing the approved SHS, Canfor should achieve the targeted reduction in Fire Behaviour Potential of the FireSmart Community Zones and the DFA over a 10 year period.	Cutblocks harvested will be overlaid with the Fire Behavior Potential shapefile to identify % reduction in high and extreme Fire Behaviour Potential stands.	**Performance:** Stewardship Report	Reduction of Fire Behaviour Potential of the Fire Community Zones and the DFA must be within 0.5% of the target	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
		Dynamic			2) Percentage reduction in Fire Behaviour Potential area (ha) across the	2) Reduce the area (ha) in the extreme and high Fire Behaviour Potential rating categories by X% across the DFA			Percentage reduction in Fire Behaviour Potential area (ha) across the DFA now and over the planning horizon	Reduce the area (ha) in the extreme and high Fire Behaviour Potential rating categories by 2% across the DFA over a 10 year period							

ESRD Planning Standard Annex 4								Canfor VOITs								
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		Dynamic	5.2.2 Provide opportunities to derive benefits and participate in use and management	5.2.2.1 Integrate other uses and timber management activities	Extent of various uses	To be determined in the planning process	Stewardship Report	5.1.1 (b)	Maintenance of recreational areas for non-timber values	Canfor Alberta will maintain a minimum of 3 recreational areas for use by the public within Defined Forest Area	Recreational use of the DFA is a common non-timber value. The company will continue to maintain recreational areas for public use in at least three sites.	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 5.2.2.1	The company will fund, or seek funding to maintain recreational areas, such as MacLeod Flats, Economy Lake, Westview and Frying Pan Creek.	Documentation showing contractual agreements for recreational areas maintenance will indicate which recreational areas supported.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; Canfor Alberta will maintain a minimum of 3 recreational areas for use by the public within Defined Forest Area.	Adjust activities
		Dynamic						5.2.1 (a)	Investment in local communities	Over a rolling 5-year period, a minimum of 75% of Canfor Alberta forest operations dollars paid for contract services will be expended locally	Forests represent not only a return on investment (measured, for example, in dollar value, person-days, donations, etc.) for the organization but also a source of income and non-financial benefits for Defined Forest Area-related workers, contractors, and others; stability and opportunities for communities; and revenue for local, provincial, and federal governments.	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 5.2.2.1	Opportunities will be provided to local contractors.	The total dollar value of contract services considered to be local will be calculated relative to the total dollar value of all contract services provided.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; Over a rolling 5-year period, a minimum of 75% of Canfor Alberta forest operations dollars paid for contract services will be expended locally	Adjust activities
		Dynamic						5.2.1 (b)	Investment in local communities	Canfor Alberta will provide financial/in-kind support to a minimum of 8 community events or services	Level of investment in initiatives that contribute to community sustainability	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 5.2.2.1	Canfor Alberta has maintained a strong community presence since 1964 and will continue to provide financial/in-kind support in the local community.	Report annually the number of community events or services Canfor has provided financial/in-kind support.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; Canfor will provide financial/in-kind support to a minimum of 8 community events or services	Adjust activities
		Dynamic	5.2.3 Forest Productivity	5.2.3.1 Maintain Long Run Sustained Yield Average	Regenerated stand yield compared to natural stand yield	No net decrease from the natural stand productivity	Timber Supply Analysis, Stewardship Report	2.2.2/5.1.1 (a)	Percent of volume harvested compared to long term harvest level	Not to exceed 100% of the approved harvest level (Annual Allowable Cut) over 5 years (5 yr. quadrant balance)	The Timber Supply Analysis is developed as per the legal requirements of the Forest Management Agreement (Alberta. 2015).	Alberta Forest Management Planning Standard; Forest Act; Timber Management Regulation; Forest Management Agreement	he reconciliation is a comparison of the actual versus allowed harvest levels. The target ensures that the company does not over-harvest.	Actual annual harvested volume is obtained from the Timber Product Revenue System (TPRS) audit completed by ESRD and is reported in the General Development Plan and the Annual Performance Monitoring Report. Evaluation of performance to this target will be done when TPRS audited quadrant volumes are available.	**Performance:** AOP/GDP, Stewardship Report and Canfor Annual Performance Monitoring Report	The actual quadrant harvest volume will not exceed 5% of the allowable harvest level	Adjust activities
6. Accepting society's responsibility for sustainable development	6.1 Aboriginal and treaty rights and aboriginal forest values	Dynamic	6.1.1 Compliance with government regulations and policies	6.1.1.1 Implement Public Involvement Program	Meet Alberta's current expectations for aboriginal consultation	Consult at the community level with designated representatives of affected aboriginal communities	Reports as required in Public Involvement Plan	6.1.2	Members of local Aboriginal communities will be provided ample opportunity to understand Canfor Alberta's Forest Management Plan	Opportunity to communicate key components of the Forest Management Plan have been provided to each affected local Aboriginal group	*Alberta's Aboriginal Groups Consultation Guidelines on Land Management and Resource Development (November 2007*) state that FMPs must be communicated with Aboriginal Groups identified on as having interest in the FMA area	Alberta's Aboriginal Groups Consultation Guidelines on Land Management and Resource Development (November 14, 2007); Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 6.1.1.1; SRD Lands and Forestry First Nations Consultation Operating Procedures (May, 2011)	A description of Canfor Alberta's intent to ensure successful communication of the Forest Management Plan to Aboriginal groups is outlined in Canfor's Terms of Reference 2012 Forest Management Plan for Canfor Forest Management Agreement area 9900037 as well as Canfor's Aboriginal Consultation Plan.	All communication as it relates to the Forest Management Plan will be recorded in Canfor's COPI database.	**Performance:** Records of Consultation, Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; Opportunity to communicate key components of the forest management plan have been provided to each affected local Aboriginal group	Adjust activities

ESRD Planning Standard Annex 4								Canfor VOITs								
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		Dynamic						6.1.3	Percent of forest operations in conformance with operational/ site plans developed to address Aboriginal forest values, traditional knowledge and uses	100% of forest operations are conducted in conformance with operational/site plans that have been developed to address Aboriginal forest values, traditional knowledge and uses	Conformance to applicable policies and reporting/monitoring procedures ensures that identified Aboriginal forest values, traditional knowledge, and uses are addressed as intended.	Canfor Forest Management Agreement area Operating Ground Rules; Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 6.1.1.1; Alberta's First Nation's Consultation Guidelines on Land and Natural Resource Management (July 2014)	In order to ensure conformance with operational/site plans, Canfor Alberta operations supervisors are required to conduct regular site inspections. In addition to these inspections, operations are audited by internal and external parties on an annual basis.	All communication and actions as it relates to operational/site plans will be recorded in Canfor's COPI database.	**Performance:** Records of Consultation, Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; all operational/site plans that have been developed to address Aboriginal forest values, traditional knowledge and uses will be implemented	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
		Dynamic						6.2.1	Percent of identified historic, sacred and culturally important sites, forest values, traditional knowledge and uses considered in the planning process	100% of historic, sacred and culturally important sites, forest values, traditional knowledge and uses known or identified through communication are considered in forestry planning processes	Link to consultation objective in Planning Standard and Alberta's expectations in *Government of Alberta Proponent Guide to First Nations Consultation Procedures for Land Dispositions (February, 2015)*	Alberta's First Nation's Consultation Guidelines on Land and Natural Resource Management (July 2014); Government of Alberta Proponent Guide to First Nations Consultation Procedures for Land Dispositions (February, 2015); Alberta Historical Resources Act; Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 6.1.1.1	Canfor Alberta uses a database called COPI to keep record of all attempts to consult, items discussed, actions, and follow-up. The details that are entered into COPI will be in accordance with Proponent Guide to First nations Consultation Procedures for Land Dispositions with Aboriginal Groups. Historic sites are identified, evaluated, and managed through the archaeological process.	All records of consultation will be entered into COPI. Archeological assessments are tracked for all blocks in Canfor's Cengea Database. Status reports can be created from this database as a method of monitoring.	**Performance:** Records of Consultation, Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; all identified sites will be considered	If the targets are not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
	6.2 Public participation and information for decision-making	Dynamic	6.2.1 Meaningful public involvement is achieved	6.2.1.1 Implement public involvement program	Meet expectations of Section 5 of CSA Z809-02	To be determined in the planning process	Reports as required in Public Involvement Plan	6.4.1	Public advisory group maintained and satisfaction survey implemented	80% annual satisfaction from surveys in all four targets	Maintain Canfor Alberta's Forest Management Advisory Committee (FMAC) and implement the FMAC Evaluation Form.	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 6.2.1.1	Canfor Alberta will provide all FMAC members a FMAC Evaluation Form to measure the effectiveness and awareness with the process.	FMAC members will fill out the FMAC evaluation Form after each meeting. Each of the four sections of the survey will be calculated and results will be compiled for each calendar year.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	A minimum of 70% annual satisfaction from surveys from all four targets	If the target is not met, a root cause analysis will be completed to determine cause. Once cause is determined, the process may be modified.
		Dynamic						6.4.2	Number of educational opportunities for information/ training/ capacity building that are delivered to the public advisory group annually	Provide one educational opportunity per Forest Management Advisory Committee meeting , plus one field tour opportunity per year	This indicator and target recognizes the importance of providing informational or training opportunities for members of the FMAC, which in turn contributes to a more knowledgeable and effective committee.	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 6.2.1.1	Canfor Alberta will provide informational/educational /capacity building opportunities for FMAC members at each regularly held meeting. In addition, Canfor Alberta will offer one field tour annually	Report in the Annual Performance Monitoring Report the number of educational opportunities and field tours presented to the FMAC as recorded in the FMAC meeting minutes.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; Opportunities will be provided	Adjust activities
		Dynamic						6.5.1	The number of educational opportunities provided to the community	A minimum of 5 educational opportunities provided to the community annually	Informed and engaged, members of the public can provide local knowledge and support that contributes to socially and environmentally responsible forest management.	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 6.2.1.1	Canfor Alberta will provide educational opportunities to the community annually	Number of educational opportunities provided.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; at least five opportunities will be provided annually	Adjust activities
		Dynamic						6.4.3	Number of opportunities for information/ training/ capacity development that are delivered to the Aboriginal communities annually	Greater than or equal to 1 Aboriginal information/training/capacity development opportunity per year	Open, respectful communication with local Aboriginal communities includes not only the company understanding the Aboriginal rights and interests but for the Aboriginals to understand the company's forest management plans and processes.	Alberta Forest Management Planning Standard, Annex 4 – Performance Standards 6.2.1.1	Canfor Alberta will offer a minimum of one information/training/capacity development opportunity per year to the Aboriginal communities.	All opportunities offered as it relates to information/training/capacity development will be recorded in Canfor's Creating Opportunities for Public Involvement database.	**Performance:** Stewardship Report and Canfor Annual Performance Monitoring Report	No variance; greater than or equal to 1 Aboriginal information/training/capacity development opportunity per year	Adjust activities

Footnotes:

[1] "X" variable in target description to be determined by the FMP planning process.
[2] Items noted under the "Means to Identify Targets" and "Means of Achieving Objectives and Targets" are intended as suggestions and not meant to limit potential approaches. The list is not comprehensive or mandatory.
[3] Seral Stage: Seral stages definitions should include the following categories: Initiation, Establishment, Aggradation (stem exclusion), Mature, and Old (Song 2002, Ecological Basis for Stand Management in Alberta). Old forest is defined as stands 40 years older than MAI culmination age.
[4] Subunit: any acceptable stratification of the DFA. Delineation of planning "subunits" for the DFA will be made during FMP planning. However, delineation should reflect ecological considerations. Planning subunits may correspond to planning compartments.
[5] Cover-classes: definition will be developed through FMP planning. In general, cover-class is a coarser grouping than the cover type (AVI stand label) but provides finer resolution than the cover groups (C, CD, DC, D) and will reflect leading species and mixedwood types.
[6] Patch: a stand of forest in the same seral stage, and not split by a linear feature greater than 8m wide. Linear features in this definition include roads, pipelines, powerlines, and rivers, but does not include seismic lines.
[7] Interior forest: a forested area greater than 100 hectares in size located beyond edge effect buffer zone [7.2] along the forest edge [7.1]. For interior forest objective use a common age definitions for all cover classes to prevent breaking up forest patches that have a common origin date.
[7.1] Forest edge: any of the following: a) a linear disruption in forest cover greater than 8m in width, or, b) the line along which forest seral stage class changes.
[7.2] Edge effect buffer zone: 60 m where adjacent area is non-forested or less than 40 years old; 30 m where adjacent forest stand is >= 40 years and less than mature forest; 0 m where adjacent stand is mature forest.
[8] Downed woody debris: wood lying at an angle of less than 45 degrees from the ground and having a diameter greater than 7.5 cm.
[9] Wild: genetic materials of native species originating from natural regeneration (Standards for Forest Tree Improvement in Alberta).

VOITs not included in Annex 4

Canfor VOIT #	Indicator	Target	Dynamic or Modeled
1.1.2	Percent distribution of forest type (treed conifer, treed broad leaf, treed mixed) >20 years old across DFA	Maintain the current baseline percent distribution of forest types (treed conifer, treed broad leaf, treed mixed) >20 years old into the future	M
5.2.2	Training in environmental and safety procedures in compliance with company training plans	100% of Canfor FMG Alberta employees and contractors have required environmental and safety training	D
5.2.3	Level of direct and indirect employment	Report annually on trend of Canfor Alberta's level of direct and indirect jobs created from the Defined Forest Area	D
5.2.4	Opportunities for Aboriginal communities and contractors to participate in the forest economy	Maintain evidence that opportunities have been provided	D
6.1.1	Canfor FMG Alberta employees will receive Aboriginal awareness training	100% of Canfor FMG Alberta Forestry Supervisors, Coordinators, Superintendents, and the Operations Manager will receive credible and effective Aboriginal awareness training once every two years	D
6.3.1	Relationships with other forest businesses and users	Evidence of minimum of 4 relationships with forest products businesses annually within the vicinity of the DFA	D
6.3.2	Implementation and maintenance of a certified safety program	100% of Canfor FMG Alberta and eligible DFA-related contractors will obtain and maintain a Certificate of Recognition or equivalent	D
6.3.3	Implementation and maintenance of certified safety program	100% of recommendations from Partners in Injury Reduction audit will be addressed and action plans developed	D
6.5.2a)	CSA Z8909-08 SFM monitoring report made available to the public annually	CSA Z809-08 Sustainable Forest Management Plan and Annual Performance Monitoring Report made available to public annually on Canfor's external website	D
6.5.2b)	Percentage of public inquiries that receive an initial contact	100% of all inquiries receive initial contact within 1 month of receipt	D