

Fort St James

Sustainable Forest Management Plan



2013/14 Annual Report



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1.0 Introduction

This is the 2013/14 Annual Report for the Fort St James Sustainable Forest Management Plan (SFMP), covering the reporting period of April 1, 2013 to March 31, 2014. The SFMP is a result of Canfor's effort to achieve and maintain Canadian Standards Association (CSA) certification to the CSA Z809-08 standard¹.

The SFMP includes a set of values, objectives, indicators and targets that address environmental, economic and social aspects of forest management in the Fort St James Defined Forest Area. An SFMP developed according to the CSA standard sets performance objectives and targets over a defined forest area (DFA) to reflect local and regional interests. The CSA standard requires compliance with existing forest policies, laws and regulations. Changes to this annual report reflect the 2008 (CSA Z809-08) standard requirements as embodied in the Fort St James Defined Forest Area SFMP – July 2012.

It is important to note that the Fort st James SFMP is a working document and is subject to continual improvement. Over time, the document will incorporate new knowledge, experience and research in order to recognize society's environmental, economic and social values.

This Annual Report measures the signatories' performance in meeting the indicator targets outlined in the SFMP over the Fort St James Defined Forest Area (DFA). The DFA is the Crown Forest land base within the Fort st James Forest District within the traditional operating areas of Canfor, excluding woodlots, Parks, Protected Areas and private land. The intent of this Annual Report is to have sustainable forest management viewed by the public as an open, evolving process that is taking steps to meet the challenge of managing the forests of the Fort St James DFA for the benefit of present and future generations.

The following Table summarizes the results for the current reporting period. For clarification of the intent of the indicators, objectives or the management practices involved, the reader should refer to the Fort St James Sustainable Forest Management Plan document (July 2012).

1.1 List of Acronyms

Below is a list of common acronyms used throughout this annual report. For those wishing a more comprehensive list should consult the Prince George Sustainable Forest Management Plan.

BCTS – BC Timber Sales
BEC – Biogeoclimatic Ecosystem Classification
CSA – Canadian Standards Association
CE & VOIT- Criterion, Element & Value Objective Indicator Target
DFA – Defined Forest Area
FPPR – Forest Planning and Practices Regulation
FSJ – Fort St James
LOWG – Landscape Objectives Working Group
MoFR – Ministry of Forest and Range
NDU – Natural Disturbance Unit
PAG – Public Advisory Group
PG – Prince George
PG TSA – Prince George Timber Supply Area
SAR – Species at Risk
SFM – Sustainable Forest Management
SFMP – Sustainable Forest Management Plan

1.2 Executive Summary

For each off-target indicator, a corrective and preventative action plan is included in the indicator discussion.

Table 1: Summary of Indicator Status

Indicator Number	Indicator Statement	Target Met	Pending	Target Not Met
1.1.1	Retention of rare ecosystem groups across the DFA	X		
1.1.2	Percent distribution of forest type (treed conifer, treed broadleaf, treed mixed) >20 years old across DFA	X		
1.1.3(a)	Percent late seral distribution by ecological unit across the DFA	X		
1.1.3(b)	Maintain a variety of young patch sizes in an attempt to approximate natural disturbance.			X
1.1.4(a)	Percent of stand structure retained across the DFA in harvested areas	X		
1.1.4(b)	The number of cut blocks harvested that are not consistent with riparian management commitments.	X		
1.2.1 & 1.2.2	Percent of forest management activities consistent with management strategies (both landscape and stand level) for Species at Risk and/or Species of Management Concern.	X		
1.2.3 & 1.3.1 & 1.2.2	Regeneration will be consistent with provincial regulations and standards for seed and vegetative material use.	X		
1.3.1	See 1.1.2, 1.1.3(a), 1.1.3(b), 1.2.1, 1.2.3, 1.4.1	(refer to related indicators)		
1.4.1	Percent of forest management activities consistent with management strategies for protected areas and sites of biological significance.	X		
1.4.2	% of identified Aboriginal and non-aboriginal forest values, knowledge and uses considered in forestry planning processes.	X		
2.1.1	Average Regeneration delay for Stands Established Annually	X		
2.2.1a	Percentage of gross forest landbase in the DFA converted to non-forest land use through forest management activities.	X		
2.2.1 b	Existing areas of non-forested types artificially converted to forest types.	X		
2.2.2	Percent of volume harvested compared to allocated harvest level.	X		
3.1.1	Percent of harvested blocks meeting soil disturbance objectives identified in plans.	X		
3.1.2	Percent of audited cut blocks where post harvest CWD levels are within the targets contained in Plans.	X		
3.2.1(a)	Sensitive watersheds that are above Peak Flow Index targets will have further assessment if further harvesting is planned..	X		
3.2.1(b)	% of high hazard drainage structures in sensitive watersheds with identified water quality concerns that have mitigation strategies implemented	X		
3.2.1(c)	Percent of road related soil erosion events that introduce sediment into a stream identified in annual road inspections that are addressed.	X		
3.2.1 (d)	Percentage of crossing structures planned and installed on fish streams to a reasonable design and sediment control standard (allow for adequate fish passage - dependant on the presence/absence of fish).	X		
4.1.1 (a)	Percent of standards units declared annually that meet free growing requirements on or before the free growing date.	X		
4.2.1	See 2.2.1(a)	(refer to related indicators)		
5.1.1(a)	See 2.2.2, 4.1.1(a)			

Indicator Number	Indicator Statement	Target Met	Pending	Target Not Met
5.1.1(b)	Conformance with strategies for non-timber benefits identified in plans	X		
5.1.1(c)	Total percentage of forest operations that are consistent with a landscape level strategy for the management of recreational, commercial and cultural trails as identified in the DFA.	X		
5.1.1(d)	Percentage of roads deactivated that meet the deactivation criteria.	X		
5.2.1(a)	Investment in local communities			X
5.2.2	Training in environmental & safety procedures in compliance with company training plans	X		
5.2.3	Level of direct & indirect employment	X		
5.2.4	Number of opportunities for First Nations to participate in the forest economy.			X
6.1.1	Employees will receive appropriate First Nations Awareness Training	X		
6.1.2	Evidence of best efforts to share interests and plans with Aboriginal communities	X		
6.1.3	% of forest operations in conformance with operational/site plans developed to address Aboriginal forest values, knowledge and uses.	X		
6.2.1	(see 1.4.2)	(refer to related indicators)		
6.3.1(b)	Effective communication and co-operation with non-timber resources users and interested parties that have expressed interest in forest planning.	X		
6.3.1(c)	The number of support opportunities provided in the DFA.	X		
6.3.2 & 6.3.3	Implementation and maintenance of a certified safety program	X		
6.4.1	Percent of PAG meeting evaluations completed during the reporting period that obtain a minimum average acceptability score of 3.	X		
6.4.2	Number of educational opportunities for information/training that are delivered to the PAG	X		
6.4.3	See 6.1.2	(refer to related indicators)		
6.5.1	The number of educational opportunities provided			X
6.5.2	SFM Annual report made available to the public.	X		
	Totals	34	0	4

1.3 SFM Performance Reporting

This annual report will describe the success of the licensee in meeting the indicator targets over the DFA. The report is available to the public and will allow for full disclosure of forest management activities, successes, and failures.

2.0 SFM Indicators, Targets and Strategies

Indicator 1.1.1 Ecosystem area by type

Indicator Statement	Target and Variance
Retention of rare ecosystem groups across the DFA	Target: 0 hectares Variance: Access construction where no other practicable route is feasible.
Methodology of Measurement	WIM REPORT – report created that pulls site series from SP's from blocks that were harvested in the reporting period. These are reviewed to see if any rare sites (pure and mappable) have been harvested

Was the Target Met? Yes

The are no reported hectares harvested in the reporting year for Canfor.

Indicator 1.1.2 Forest area by type or species composition

Indicator Statement	Target and Variance
Percent distribution of forest type (treed conifer, treed broadleaf, treed mixed) >20 years old across DFA	Target: Douglas-fir to 2% with in 20 years; Treed Broadleaf: >1%; Treed Mixed: >4% Variance: None below proposed targets
Methodology of Measurement	TSR – This indicator will remain static until the next Timber Supply Review happens (every 5 years). This indicator will be updated with the new information at that time.

Was the Target Met? Yes

Table 2: Forest area by type or species

Forest Type	Forest Area (ha)	Forest Area (%)
Coniferous	904,207	92.0
Broadleaf	26,979	2.7
Mixed	52,194	5.3
Total	983,380	100

Currently Douglas-fir comprises approximately 1.6% of the Forest Area in the DFA.

Data includes licensee Operating Areas within the DFA, Parks & Protected Areas Apportionment. Based on the Vegetation Resources Inventory, the areas have been reduced for roads, seismic lines, oil & gas tenures, and other non-THLB areas.

Indicator 1.1.3(a) Forest area by seral stage or age class (late seral)

Indicator 4.1.1 Net carbon uptake

Indicator Statement	Target and Variance
Percent late seral distribution by ecological unit across the DFA	Target: 100% old forest, old forest interior and none pine targets as per Jan. 2012 PG TSA Biodiversity Order Variance: 0%
Methodology of Measurement	LOWG REPORT – The LOWG group produces the official data to analyze performance towards the Old Growth Order for all Districts in the PGTSA. Report on the most current data available

Was the Target Met? Yes

Table 3: OLD FOREST RETENTION - CURRENT CONDITION (2013)

Natural Disturbance Zone (NDZ)	NDU/Merged Biogeoclimatic Units	Unit Label	CFLB Area (ha)	Targets		Current Status	
				% Target from the Order	Target Area (ha)	Current Area (ha)	Current %
Moist Interior	Moist Interior - Mountain ESSFmv 1	E1	18,669	41%	7,654	7,261	43%
Moist Interior	Moist Interior - Plateau SBS dk	E2	26,458	17%	4,498	10,273	42%
Moist Interior	Moist Interior - Plateau SBS mc 2	E3	61,259	17%	10,414	27,937	47%
Moist Interior	Moist Interior - Plateau SBS mk 1	E4	186,349	12%	22,362	45,702	24%
Moist Interior	Moist Interior - Plateau SBS dw 3	E5	216,913	12%	26,030	77,602	35%
Northern Boreal Mountains	Northern Boreal Mountains ESSFmc	E6	109,727	37%	40,599	90,259	85%
Northern Boreal Mountains	Northern Boreal Mountains SWB mk	E7	28,559	37%	10,567	22,096	78%
Northern Boreal Mountains	Northern Boreal Mountains SBS mc 2	E8	35,857	26%	9,323	29,357	83%
Omineca	Omineca - Mountain ESSFwv	E9	24,939	58%	14,465	21,205	85%
Omineca	Omineca - Mountain ESSFmc	E10	97,439	41%	39,950	80,512	83%
Omineca	Omineca - Mountain ESSFmv 3	E11	368,309	41%	151,007	250,037	68%
Omineca	Omineca - Valley SBS dk	E12	10,840	16%	1,734	4,968	47%
Omineca	Omineca - Valley ICH mc 1	E13	13,113	23%	3,016	11,866	90%
Omineca	Omineca - Valley BWBSdk 1	E14	65,170	16%	10,427	42,043	64%
Omineca	Omineca - Valley SBS mc 2	E15	105,171	16%	16,827	77,079	74%
Omineca	Omineca - Valley SBS mk 1	E16	265,503	16%	42,481	114,291	43%
Omineca	Omineca - Valley SBS wk 3	E17	358,503	16%	57,360	133,979	37%
			1,992,780		468,714	1,046,465	

Table 4: OLD INTERIOR FOREST RETENTION - CURRENT CONDITION (2013)

Natural Disturbance Zone (NDZ)	NDU/Merged Biogeoclimatic Units	Unit Label	Old Forest Target Area (ha)	Targets		Current Status	
				% Target from the Order	Target Area (ha)	Current Area (ha)	Current (%)
Moist Interior	Moist Interior - Mountain ESSFmv 1	E1	7,654	40%	3,062	6,835	102%
Moist Interior	Moist Interior - Plateau SBS dk	E2	4,498	10%	450	7,230	177%
Moist Interior	Moist Interior - Plateau SBS mc 2	E3	10,414	10%	1,041	21,949	217%
Moist Interior	Moist Interior - Plateau SBS mk 1	E4	22,362	25%	5,590	25,536	104%
Moist Interior	Moist Interior - Plateau SBS dw 3	E5	26,030	25%	6,507	49,271	182%
Northern Boreal Mountains	Northern Boreal Mountains ESSFmc	E6	40,599	40%	16,240	89,234	226%
Northern Boreal Mountains	Northern Boreal Mountains SWB mk	E7	10,567	40%	4,227	20,991	200%
Northern Boreal Mountains	Northern Boreal Mountains SBS mc 2	E8	9,323	25%	2,331	27,891	303%
Omineca	Omineca - Mountain ESSFwv	E9	14,465	40%	5,786	20,882	145%
Omineca	Omineca - Mountain	E10	39,950	40%	15,980	79,611	201%

	ESSFmc						
Omineca	Omineca - Mountain ESSFmv 3	E11	151,007	40%	60,403	237,976	158%
Omineca	Omineca - Valley SBS dk	E12	1,734	25%	434	3,223	177%
Omineca	Omineca - Valley ICH mc 1	E13	3,016	40%	1,206	11,776	390%
Omineca	Omineca - Valley BWBSdk 1	E14	10,427	25%	2,607	37,736	361%
Omineca	Omineca - Valley SBS mc 2	E15	16,827	25%	4,207	69,451	416%
Omineca	Omineca - Valley SBS mk 1	E16	42,481	25%	10,620	87,498	200%
Omineca	Omineca - Valley SBS wk 3	E17	57,360	25%	14,340	101,286	174%
			468,714		155,030	898,376	

Table 5: OLD NON-PINE FOREST RETENTION - CURRENT CONDITION (2013)

Natural Disturbance Zone (NDZ)	NDU/Merged Biogeoclimatic Units	Unit Label	CFLB Area (ha)	Targets		Current Status	
				% Target from the Order	Target Area (ha)	Current Area (ha)	Current(%)
Moist Interior	Moist Interior - Mountain ESSFmv 1	E1	18,669	33%	6,161	6,157	37%
Moist Interior	Moist Interior - Plateau SBS dk	E2	26,458	13%	3,440	8,827	36%
Moist Interior	Moist Interior - Plateau SBS mc 2	E3	61,259	10%	6,126	18,737	32%
Moist Interior	Moist Interior - Plateau SBS mk 1	E4	186,349	4%	7,454	30,682	16%
Moist Interior	Moist Interior - Plateau SBS dw 3	E5	216,913	6%	13,015	56,838	25%
Omineca	Omineca - Valley SBS dk	E12	10,840	9%	976	3,698	37%
Omineca	Omineca - Valley BWBSdk 1	E14	65,170	10%	6,517	26,771	41%
Omineca	Omineca - Valley SBS mc 2	E15	105,171	13%	13,672	66,207	64%
Omineca	Omineca - Valley SBS mk 1	E16	265,503	10%	26,550	93,188	35%
Omineca	Omineca - Valley SBS wk 3	E17	358,503	12%	43,020	118,186	33%
			1,992,780		126,931	429,290	

Indicator 1.1.3(b) Forest area by seral stage or age class (young patch)

Indicator Statement	Target and Variance
Maintain a variety of young patch sizes in an attempt to approximate natural disturbance	Target: As per the Jan. 2004 PG TSA Landscape Biodiversity Objectives Variance: As per the Jan. 2004 PG TSA Landscape Biodiversity Objectives
Methodology of Measurement	LOWG REPORT – The LOWG group produces the official data to analyze performance towards the Old Growth Order for all Districts in the PG TSA. Report on the most current data available. Patch Size is reported only every 5 years. This data will remain static until the next analysis in 2016

Was the Target Met? No

Table 6: Young Patch Distribution, as of January 2011

*Since the time of this analysis, the only logging activity has been in Moist Interior Plateau

Natural Disturbance Unit	Patch Size Category (ha)	Current Status March 31, 2010*	Target (%)	Trend	Future Condition (2015)
Moist Interior Plateau	≤ 50	10.9%	5%	Toward	12.9%
	50-100	12.5%	5%	Toward	15.4%
	100-1000	22.7%	20%	Toward	35.2%
	>1000	53.9%	70%	Toward	36.5%
Moist Interior Mountain	≤ 50	0%	40%	No change	0%
	50-100	91.9%	30%	Away	78.6%
	100-1000	8.1%	10%	Away	21.4%
	>1000	0%	20%	Away	0%
Omineca Valley	≤ 50	0%	20%	No change	0%
	50-100	91.9%	10%	Away	78.6%
	100-1000	8.1%	30%	Away	21.4%
	>1000	0%	40%	Away	0%
Omineca Mountain	≤ 50	12.5%	5%	Away	16.3%
	50-100	21.1%	5%	Toward	20.4%
	100-1000	39.7%	30%	Toward	42.4%
	>1000	26.7%	60%	Toward	20.8%
Northern Boreal Mountains	≤ 50	17.5%	20%	Toward	20.6%
	50-100	32.7%	10%	Away	32.1%
	100-1000	31.9%	30%	No change	25.4%
	>1000	17.9%	40%	Away	21.8%

According to the 5 year patch analysis results delivered in 2011, some of the units are trending away.

The rationale for not trending towards the target within the Omineca Mountain NDU can be broken into the following categories:

Harvest Activity:

Shifts in harvesting activity to cover mountain pine beetle salvage in other areas. Wetter zones with less pine are not getting much harvest activity.

Indicator 1.1.4(a) Degree of within-stand structural retention (stand-level retention)

Indicator Statement	Target and Variance
Percent of stand structure retained across the DFA in harvested areas	Target: greater than 7% across the DFA Variance: 0%
Methodology of Measurement	WIM REPORT – report created that pulls retention levels from SP's from blocks harvested within the reporting period

Was the target met? Yes

Stand level retention consists of wildlife tree patches (WTP), dispersed retention and riparian management areas. Refer the chief foresters guidance on landscape and stand level retention. Large retention levels related to some larger openings.

Table7: Stand Level Retention in Harvested Areas, 2012/13

Gross Area Harvested (ha)*	Associated Total Retention (ha)	Average % Retained **
6852.5	1004.3	14.6%

Indicator 1.1.4(b) Degree of within-stand structural retention (riparian management requirements)

Indicator Statement	Target and Variance
The number of cut blocks harvested that are not consistent with riparian management commitments.	Target: 0% Variance: 0%
Methodology of Measurement	WIM REPORT – report created that pulls the number of Riparian features associated with a block from the SP for blocks harvested within the reporting period ITS – ITS was reviewed to check for any issues related to Riparian features.

Was the target met? Yes

Harvesting was completed on 75 blocks during the reporting period, with no incidents relating to riparian requirements occurring.

Indicator 1.2.1 Degree of habitat protection for selected focal species, including species at risk**Indicator 1.2.2 Degree of suitable habitat in the long term for selected focal species, including species at risk**

Indicator Statement	Target and Variance
Percent of forest management activities consistent with management strategies (both landscape and stand level) for Species at Risk and/or Species of Management Concern.	Target: 100% Variance: 0%
Methodology of Measurement	WIM REPORT – report created that pulls SAR information from SPs for blocks harvested within the reporting period. ITS – ITS was reviewed to check for any issues related to SAR.

Was the target met? Yes

This indicator evaluates the success of implementing specific management strategies for Species of Management Concern, including Species at Risk, as prescribed in operational plans. Appropriate management of these species and their habitat is crucial in ensuring populations of flora and fauna are sustained in the DFA.

Canfor must ensure:

- Key staff are trained in Species at Risk (SAR) identification;
- SAR listings are reviewed and management strategies are updated periodically
- Strategies are implemented via operational plans.

Canfor currently have systems in place to evaluate the consistency of forest operations with operational plans. Tracking this consistency will ensure problems in implementation are identified and corrected in a timely manner.

No blocks were harvested that had species at risk identified.

Indicator 1.2.3 Proportion of regeneration comprised of native species

Indicator 1.3.1 Genetic diversity (*not a core indicator*)

Indicator Statement	Target and Variance
Regeneration will be consistent with provincial regulations and standards for seed and vegetative material use	Target: 100% Variance: 0%
Methodology of Measurement	INFOVIEW REPORT – WIM has created a standard work document to outline how to run the infoview report that will pull this information.

Was the Target Met? Yes

Table 6 details the areas planted within the DFA in accordance with the Chief Forester's Standards for Seed Use for this reporting period.

Table 8: Compliance with Chief Forester's Standards for Seed Use, 2012/13

Licensee	Total Seedlings Planted	Seedlings Planted in Accordance with Chief Forester's Standards*	Total % DFA**
Canfor – FSJ District	3,723,401	3,723,401	100.0%

* Measured in terms of number of trees purchased ** % = (Area planted in accordance with Chief Forester's Standards for Seed Use / total area planted) X 100

Indicator 1.4.1 Proportion of identified sites with implemented management strategies

Indicator Statement	Target and Variance
Percent of forest management activities consistent with management strategies for protected areas and sites of biological significance as contained in operational plans	Target: 100% Variance: 0%
Methodology of Measurement	WIM REPORT– WIM has created a summary from the task tab where blocks will have any features of biological significance identified. SP REVIEW – For the blocks identified, the SP is reviewed to specify the management strategies implemented. ITS REVIEW – ITS is checked for any issues related to blocks where management strategies were not met.

Was the target met? Yes

There were no incidents related to not following management strategies for protected areas or sites of biological significance.

Indicator 1.4.2 Protection of identified sacred and culturally important sites

Indicator 6.2.1 Evidence of understanding and use of Aboriginal knowledge through the engagement of willing Aboriginal communities, using a process that identifies and manages culturally important resources and values

Indicator Statement	Target and Variance
% of identified Aboriginal forest values, knowledge and uses considered in forestry planning processes	Target: 100% of known forest values, knowledge and uses considered Variance: 0%
Methodology of Measurement	WIM REPORT– WIM has created a report that summarizes SP Cultural Heritage Comments, Activity Comments for Info Sharing and Arch, and any Task Tab comments. These are all reviewed to identify heritage forest values. ITS REVIEW – review ITS for any incidents where the issue is related to identified when management strategies related to heritage values not being achieved.

Was the target met? Yes

Trails were removed from blocks and protected with machine free where they could not be avoided. CMT's were targeted for WTP's or identified and stubbed were they could not be removed.

Table 9: Protection of sacred and culturally important sites

	# of Aboriginal forest values, uses & knowledge gathered during planning process	# of Aboriginal forest values, uses & knowledge considered during planning process
Knowledge	0	0
Uses	9	9
Values	0	0
Total	9	9
Total %		100%

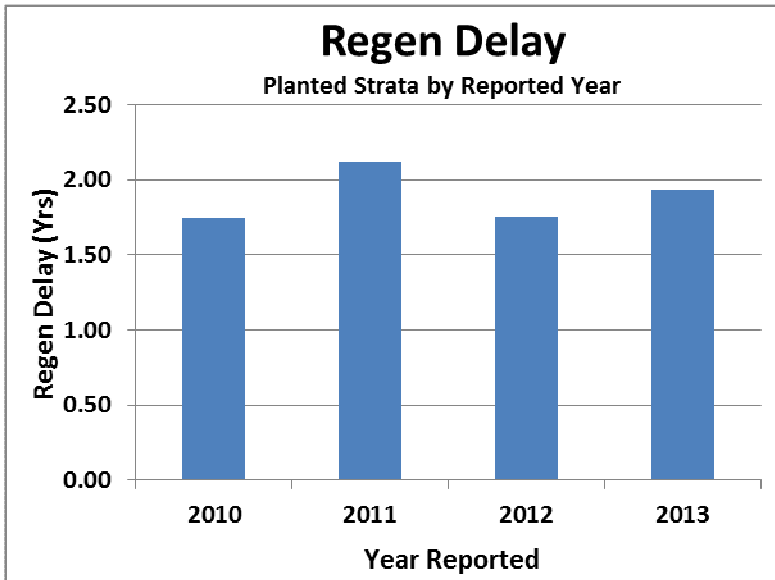
Indicator 2.1.1 Reforestation success (regeneration delay)

Indicator Statement	Target and Variance
The regeneration delay, by area, for stands established annually	Target: Regeneration established in 3 years or less Variance: 1
Methodology of Measurement	WIM REPORT– WIM has created a summary for the reporting year that also generates the graph below.

Was the target met? Yes

Table 10: Regeneration Delay

Regeneration delay was 1.9 years for 2013



Indicator 2.2.1 (a) Additions and deletions to the forest area

Indicator Statement	Target and Variance
Percentage of gross forest land base in the DFA converted to non-forested land use through forest management activities	Target: <3% of the gross land base in the DFA Variance: 0%
Methodology of Measurement	TSR – This indicator will remain static until the next Timber Supply Review happens (every 5 years). This indicator will be updated with the new information at that time (2017)

Was the target met? Yes

The current % of non-forested land in the DFA is 0.74%

Indicator 2.2.1 (b) Additions and deletions to the forest area

Indicator Statement	Target and Variance
Existing areas of non-forested types artificially converted to forest types.	Target: 0 hectares Variance: 0 hectares
Methodology of Measurement	TSR – This indicator will remain static until the next Timber Supply Review happens (every 5 years). This indicator will be updated with the new information at that time (2017)

Was the target met? Yes

No areas have been converted from non-forested to forested.

Indicator 2.2.2 Proportion of the calculated long-term sustainable harvest level that is actually harvested

Indicator Statement	Target and Variance
Percent of volume harvested compared to allocated harvest level	Target: 100% over 5 years Variance: as per cut control regulations

Methodology of Measurement	CUT CONTROL DOCUMENT – the legal summary provided from the government is the one used to summarize the performance on that license. The target will be considered met until the 5 year cut is exceeded by the variance, or the 5 year period is completed with an undercut.
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Was the target met? Yes

Year	2012	2013	2014	2015	2016	Total CC	Total AAC (5yr)	% CC Period
Harvest volume	2,390,121	2,981,008				5,308,129	7,988,855	66.44

Indicator 3.1.1 Level of soil disturbance

Indicator Statement	Target and Variance
Percent of harvested blocks meeting soil disturbance objectives identified in plans	Target: 100% of blocks meet soil disturbance objectives Variance: 0%
Methodology of Measurement	ITS REVIEW – ITS was reviewed for issues related to site disturbance on blocks harvested in the reporting year.

Was the target met? Yes

62 blocks were harvested. There were no incidents of exceeding soil disturbance identified.

Indicator 3.1.2 Level of downed woody debris

Indicator Statement	Target and Variance
Percent of cut blocks where post harvest CWD levels are within the targets contained in Plans	Target: 100% of blocks harvested annually will meet targets Variance: -10%
Methodology of Measurement	ITS REVIEW – ITS was reviewed for issues related to coarse woody debris on blocks harvested in the reporting year.

Was the target met? Yes

There were no non-conformances/compliances related to CWD levels.

Indicator 3.2.1(a) Proportion of watershed or water management areas with recent stand-replacing disturbance

Indicator Statement	Target and Variance
Sensitive watersheds that are above Peak Flow Index targets will have assessment if harvesting planned.	Target: 100% Variance: 0%
Methodology of Measurement	ITS REVIEW – ITS was reviewed for related issues on blocks harvested in the reporting year.

Was the target met? Yes

No harvesting occurred in sensitive watersheds within the DFA

Indicator 3.2.1(b) Proportion of watershed or water management areas with recent stand-replacing disturbance

Indicator Statement	Target and Variance
% of high hazard drainage structures in sensitive watersheds with identified water quality concerns that have mitigation strategies implemented	Target: 100% Variance: 0%
Methodology of Measurement	DISCUSSION WITH OPERATIONS – For blocks harvested in sensitive watersheds in the reporting period, talk to operations supervisors to determine what major structures were installed, and what mitigative strategies were implemented.

Was the target met? Yes

Canfor had no structures installed in sensitive watersheds in the DFA

Indicator 3.2.1(c) Proportion of watershed or water management areas with recent stand-replacing disturbance

Indicator Statement	Target and Variance
Percent of road related soil erosion events that introduce sediment into a stream identified in annual road inspections that are addressed.	Target: 100% Variance: 0%
Methodology of Measurement	ITS REVIEW – ITS was reviewed for related issues on blocks harvested in the reporting year.

Was the target met? Yes

There were no incidents of sediment introduction into streams identified in ITS.

Indicator 3.2.1(d) Proportion of watershed or water management areas with recent stand-replacing disturbance

Indicator Statement	Target and Variance
Percentage of crossing structures planned and installed on fish streams to a reasonable design and sediment control standard (allow for adequate fish passage - dependant on the presence/absence of fish).	Target: 100% Variance: 0%
Methodology of Measurement	ITS REVIEW – ITS was reviewed for related issues on blocks harvested in the reporting year.

Was the target met? Yes

There were no bridges installed over fish streams in the DFA with issues identified in ITS

Indicator 4.1.1 Net carbon uptake

Indicator Statement	Target and Variance
Percent of standards units declared annually that meet free growing requirements on or before the free growing date.	Target: 100% Variance: 0%
Methodology of Measurement	ITS REVIEW – ITS was reviewed for related issues on blocks harvested in the reporting year.

Was the Target Met? Yes

All blocks met free growing requirements

Indicator 5.1.1 (b) Quantity and quality of timber and non-timber benefits, products, and services produced in the DFA

Indicator Statement	Target and Variance
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Conformance with strategies for non-timber benefits identified in Plans.	Target: 100% Variance: 0
Methodology of Measurement	ITS REVIEW – ITS was reviewed for related issues on blocks harvested in the reporting year.

Was the Target Met? Yes

There were no incidents related to not following strategies for non-timber benefits.

Indicator 5.1.1 (c) Quantity and quality of timber and non-timber benefits, products, and services produced in the DFA

Indicator Statement	Target and Variance
Total percentage of forest operations that are consistent with a landscape level strategy for the management of recreational, commercial and cultural trails as identified in the DFA.	Target: 100% Variance: -10%%
Methodology of Measurement	ITS REVIEW – ITS was reviewed for related issues on blocks harvested in the reporting year.

Was the Target Met? Yes

There were no incidents related to not following strategies for trails in the DFA.

Indicator 5.1.1 (d) Quantity and quality of timber and non-timber benefits, products, and services produced in the DFA

Indicator Statement	Target and Variance
Percentage of roads deactivated that meet the deactivation criteria.	Target: 100% Variance: -10%%
Methodology of Measurement	ITS REVIEW – ITS was reviewed for related issues on blocks harvested in the reporting year.

Was the Target Met? Yes

There were no incidents identified related to not meeting deactivation requirements

Indicator 5.2.1 Level of investment in initiatives that contribute to community sustainability**Indicator 6.3.1 (a) 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 Statement	Target and Variance
Investment in local communities	Target: 5 year rolling average Variance: -20%%
Methodology of Measurement	Not currently possible to report.

Was the Target Met? No

Due to divisional differences in accounting systems Canfor can verify the local contractor spend, but not the total spend by DFA (the denominator for the percent determination). Canfor will propose changing to total local spend indicator. With the current information available we can not verify that this indicator is met.

Indicator 5.2.2 Level of investment in training and skills development

Indicator Statement	Target and Variance
Training in environmental & safety procedures in compliance with	Target: 100% Variance: -5%%

company training plans	
Methodology of Measurement	TRAINING SUMMARY – Normally run by admin staff when scheduling training. Have them run it for staff and note any deficiencies. TRAINING MATRIX – If deficiencies are found, compare against the training matrix found on FMG Sharepoint to see if the training is required.

Was the Target Met? Yes

The training requirements for staff were met.

Indicator 5.2.3 Level of direct and indirect employment

Indicator Statement	Target and Variance
Level of Direct & Indirect Employment	Target: cut allocation X 1.72/1000m3 (3994) Variance: as per 2.2.2
Methodology of Measurement	LOGS PROD REPORT 'R120' – to summarize total volume delivered to Plateau and IP. Can be run, or requested from accounting.

Was the Target Met? Yes

Canfor:

Canfor harvested 2,981,008m3 in 2013

Total = 2,981,008 X 1.72/1000 = 5127 jobs

Indicator 5.2.4 Level of Aboriginal participation in the forest economy

Indicator Statement	Target and Variance
Number of opportunities for First Nations to participate in the forest economy	Target: 9 on a 5 year rolling average Variance: -1
Methodology of Measurement	DISCUSSION WITH OPERATIONS AND SILVICULTURE – Provide ops and silv supervisors with the list below, as it represents some of the longer term agreements. Ask if there are any others to include, or should be disclosed.

Was the Target Met? No

This indicator was developed with 2 licensees contributing to the target. With the departure of BCTS, the target should be revised to reflect the performance of Canfor alone. Suggest making the target 6 to reflect the current status.

2009/10	2010/11	2011/12	2012/13	2013/14	Average
9	6	6	6	6	6.6

Indicator 6.1.1 Evidence of a good understanding of the nature of Aboriginal title and rights

Indicator Statement	Target and Variance
Employees will receive appropriate First Nations Awareness Training	Target: 100% Variance: -10%
Methodology of Measurement	TRAINING MATRIX – Check to make sure everyone who is required to take the training has completed it.

Was the Target Met? Yes

All first nations awareness training needs identified were met.

Indicator 6.1.2 Evidence of best efforts to obtain acceptance of management plans based on Aboriginal communities having a clear understanding of the plans

Indicator 6.4.3 Evidence of efforts to promote capacity development and meaningful participation for Aboriginal communities

Indicator Statement	Target and Variance
Evidence of best efforts to share interests and plans with Aboriginal communities	Target: 100% Variance: -10%
Methodology of Measurement	ITS REVIEW – Check ITS to see if any blocks had issues with Information Sharing or were harvested without CP's. Typically there will not be any as CP's are not issued unless information sharing has been completed. Report the number of blocks harvested in the reporting period.

Was the Target Met? Yes

All blocks harvested were info-shared with first nations.

Indicator 6.1.3 Level of management and/or protection of areas where culturally important practices and activities (hunting, fishing, gathering) occur

Indicator Statement	Target and Variance
% of forest operations in conformance with operational/site plans developed to address Aboriginal forest values, knowledge and uses.	Target: 100% Variance: -10%

Was the Target Met? Yes

	# of Aboriginal forest values, uses & knowledge gathered during planning process	# of Aboriginal forest values, uses & knowledge considered during planning process
Knowledge	0	0
Uses	9	9
Values	0	0
Total	9	9
Total %		100%

Trails were removed from blocks and protected with machine free where they could not be avoided. CMT's were targeted for WTP's or identified and stubbed were they could not be removed.

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Indicator 6.3.1 (b) 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 Statement	Target and Variance
Effective communication and co-operation with non-timber resources users and interested parties that have expressed interest in forest planning	Target: 100% Variance: -10%

Methodology of Measurement	INFOVIEW REPORTS – Run an infoview report to summarize all stakeholder communication for the reporting period. Report the number of communications ITS REVIEW – Review ITS to see if there are any stakeholder interest related issues identified.
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Was the Target Met? Yes

Canfor summaries / tracks communication by division not by DFA. Both PG and Vanderhoof met this indicator that included communications with FSJ.

Indicator 6.3.1 (c) 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 Statement	Target and Variance
The number of support opportunities provided in the DFA.	Target: 6 Variance: -1%
Methodology of Measurement	DISCUSSION WITH OPS MANAGER – This will determine the currency of the primary and by-products listed below. Bring the manager the list, to see if anything should be added or removed. NCI SURVEY REPORT – This accounting report will summarize the number of vendors we have paid invoices to, to generate the number of business relations DISCUSSION WITH ADMIN STAFF – To determine the number of community support opportunities. CORPORATE DONATION SUMMARY – This report, obtained from corporate office, will summarize the donations made to the local community.

Was the Target Met? Yes

Type	#	Details
Cash donation	6	Nak'azdli Band School District 91 Fort St James Ski Club Society Fort St James Falcons Speed Skating Club Districty of Fort St James Northern United Way
Product donation	2	Donated truck loads to Na'azdli for fire wood
Total	8	

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 6.3.3 Evidence that a worker safety program has been implemented and is periodically reviewed and improved

Indicator Statement	Target and Variance
Implementation and maintenance of a certified safety program.	Target: 100% Variance: -10%

Methodology of Measurement	Canfor is SAFE certified. No ongoing verification required. Canfor Contractors are verified prior to preworks. DISCUSSION WITH SAFETY MANAGER – check in with the FMG Safety Manager to ensure the requirements are current.
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Was the Target Met? Yes

Canfor maintained Safe Companies certification.

Indicator 6.4.1 Level of participant satisfaction with the public participation process

Indicator Statement	Target and Variance
Percent of PAG meeting evaluations completed during the reporting period that obtain a minimum average acceptability score of 3.	Target: 100% Variance: -10%
Methodology of Measurement	PAG FACILIATATOR REPORT – This report found on the PGTSA SFMP website will summarize the satisfaction score for PAG meetings. Summarize for the reporting period.

Was the Target Met? Yes

All responses scored greater than 3.

Indicator 6.4.2 Evidence of efforts to promote capacity development and meaningful participation in general

Indicator Statement	Target and Variance
Number of educational opportunities for information/training that are delivered to the PAG.	Target: =>1 Variance: 0%
Methodology of Measurement	PAG MEETING MINUTES– These documents found on the PGTSA SFMP website will summarize the meeting minutes. Tally the number of training sessions given to the PAG for the reporting period.

Was the Target Met? Yes

One session on a Caribou WHA proposal was presented to the group.

Indicator 6.5.1 Number of people reached through educational outreach

Indicator Statement	Target and Variance
The number of educational opportunities provided	Target: 5 Variance: -1
Methodology of Measurement	DISCUSS WITH PERMITTING COORDINATOR – Verify any staff involvement with community educational initiatives. DISCUSS WITH MILL SUPERINTENDENTS – Summarize any mill tours given to the community.

Was the Target Met? No

This indicator was developed with 2 licensees contributing to the target. The target should be revised to reflect Canfor's performance. Suggest a target of 2.

Types of Opportunities	# of Opportunities
PAG meeting presentation on caribou	1

Indicator 6.5.2 SFM Annual report made available to the public

Indicator Statement	Target and Variance
SFM Annual report made available to the public.	Target: SFM monitoring report available to public annually via the web. Variance: None
Methodology of Measurement	CANFOR EXTERNAL WEBSITE – Check to ensure reports are posted as required.

Was the Target Met? Yes

The 2012-2013 annual report is posted on the website. This annual report will be posted once reviewed by the PAG.