

# Vanderhoof

## Sustainable Forest Management Plan



## 2013/14 Annual Report



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## 1.0 Introduction

Canadian Forest Products Ltd. (Vanderhoof) has achieved SFM certification under the CSA Z809-08 standard. This annual report, for the period April 1, 2013 to March 31, 2014, contains the performance results relative to the Vanderhoof SFMP, its associated DFA and the forest operations of Canfor.

The SFMP is an outline of how Canfor conducts operations in order to meet the CSA Z809-08 standard. One requirement of the standard is public involvement in the plan. The primary public participation method proposed in the CSA SFM standard is a Public Advisory Group (PAG), which allows continual local input from a broad range of interested parties. The Vanderhoof SFMP PAG originally assisted in identifying quantifiable local level indicators and objectives. This annual report summarizes the status of the 43 indicators that were identified through the PAG process and established under the SFMP. For clarification of the intent of the indicators, objectives or the management practices employed, refer to the Vanderhoof Sustainable Forest Management Plan document available for public viewing online at three locations.

The SFMP is not intended to be a static document. It should evolve, adapting to local landscape conditions, forest management practices, research findings and public values.. The licensee and public advisory group will facilitate this transition. New indicators and targets can be expected and will be guided by core indicators and mandatory discussion topics. Given the severe impact Mountain Pine Beetle has had within the DFA, some indicator development will prove challenging.

## 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  
 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

Refer to Table 1 for a summary of which indicators were met and not met. For each off-target indicator, a corrective and preventative action plan is included in the indicator discussion.

**Table 1: Summary of Indicator Status**

Ref #	Indicator	Indicator Statement	Target Met	Pending	Target Not Met
1	1.1.1	Retention of rare ecosystems groups across the DFA	X		
2	1.1.2	Percent distribution of forest type (treed conifer, treed broadleaf, treed mixed) >20 years old across DFA	X		
3	1.1.3	Percent old non-pine forest across the DFA.	X		
4	1.1.4(a)	Percent of stand structure retained across the DFA in harvested areas	X		
5	1.1.4(b)	Percent of cut blocks harvested consistent with riparian management area strategies identified in Site Plans	X		
6	1.2.1 &1.2.2	Percent of forest management activities consistent with management strategies for Species of Management Concern	X		

Ref #	Indicator	Indicator Statement	Target Met	Pending	Target Not Met
7	1.2.3 & 1.3.1	Regeneration will be consistent with provincial regulations and standards for seed and vegetative material use.	X		
8	1.4.1	Percent of forest management activities consistent with management strategies for sites of biological significance.	X		
9	1.4.2	% of identified Aboriginal and non- aboriginal heritage forest values, knowledge and uses considered in forestry planning processes	X		
10	2.1.1	Average regeneration delay for stands established annually	X		
11	2.2.1	Percentage of gross forested land base in the DFA converted to non-forested land use through forest management activities.	X		
12	2.2.2 & 5.1.1 (a)	Percent of volume harvested compared to allocated harvest level.	X		
13	3.1.1	Percent of harvested blocks meeting legal soil disturbance objectives.	X		
14	3.1.2	Percent of harvested blocks audited where post harvest CWD BMP's are followed	X		
15	3.2.1(a)	Sensitive watersheds will have further evaluation and appropriate management strategies implemented.	X		
16	3.2.1(b)	In Sensitive Watersheds - the % of drainage structures (with identified water quality concerns) where mitigation strategies are implemented as scheduled	X		
	4.1.1.(c)	See 2.2.1	(refer to related indicators)		
17	4.1.1 (d)	Percent of annual LT harvest directed at mitigating the impact of mountain pine beetle to forests within the DFA.	X		
	4.2.1	See 2.2.1	(refer to related indicators)		
18	5.1.1(b)	The percent of forest management operations consistent with the conservation of range resources identified in Site Plans	X		
19	5.1.1(c)	The percent of forest management operations consistent with the conservation of Visual Quality Objectives.	X		
20	5.1.1(d)	The percent of LT conformance with the Vanderhoof Access Management Plan for Forest Recreation.	X		
21	5.1.1(e)	Smoke Management: The percent of prescribed burns that follow the smoke management guidelines	X		
22	5.2.1	Investment in local communities	X		
23	5.2.2	Training in environmental & safety procedures in compliance with company training plans	X		
24	5.2.3	Level of direct & indirect employment	X		
25	5.2.4	Number of opportunities for Aboriginals to participate in the forest economy	X		
26	6.1.1	Employees will receive Aboriginal awareness training	X		
27	6.1.2	Evidence of best efforts to share interests and plans with Aboriginal communities	X		
28	6.1.3	Percent 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)		
29	6.3.1(a)	Primary and by-products, support opportunities and business relationships that are bought, sold, traded, or donated with other forest dependent businesses, forest users and the local community.			X
30	6.3.1(b)	% of identified tenure holders, stakeholders and residents' forest values, knowledge and uses considered in the forestry planning processes.	X		
31	6.3.2 & 6.3.3	Implementation and maintenance of a certified safety program	X		
32	6.4.1	PAG established and maintained, and satisfaction survey implemented according to the Terms of Reference	X		
33	6.4.2	Number of educational opportunities for information/training that are delivered to the PAG			X

Ref #	Indicator	Indicator Statement	Target Met	Pending	Target Not Met
	6.4.3	See 6.1.2	(refer to related indicators)		
34	6.5.1	The number of educational opportunities provided.	X		
35	6.5.2	SFM monitoring report made available to the public.	X		
<b>Totals</b>			<b>33</b>	<b>0</b>	<b>2</b>

## 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. Each signatory to the SFMP has reported individual performance within its traditional operating areas as well as performance that contributes to shared indicators and targets across the plan area. Each signatory to the plan is committed to work together to fulfill the PG SFMP commitments including data collection and monitoring, participation in public processes, producing public reports, and continuous improvement.

## 2.0 SFM Indicators, Targets and Strategies

### 1 Indicator 1.1.1 Ecosystem area by type

Indicator Statement	Target and Variance
Retention of rare ecosystems groups across the DFA	<u>Target:</u> 0 hectares <u>Variance:</u> Access construction when no other practical route is feasible.
<b>Methodology of Measurement</b>	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.

Harvesting did not occur on any mappable, "pure" occurrences of any rare ecosystems. Based on predictive ecosystem mapping & field confirmation (taken from final Site Plans); there were occurrences of SBS mc2 "07" site series within complexes totaling 82 hectares, but these occurrences were only minor portions of the overall complexes (ranging from 20 – 30% of each complex). Such occurrences and inclusions do not constitute pure and or mappable site series for the purpose of this indicator.

### 2 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	<u>Target:</u> Treed conifer: No target; Treed Broadleaf: 1.6-5%; Treed Mixed: 3.9-9% <u>Variance:</u> None below proposed targets
<b>Methodology of Measurement</b>	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

Reported out every 5 years (2012 – 2017). The table below shows the 2012 baseline data. This data will be updated in 2018.

Forest Type	Forest Area (ha)	Forest Area (%)
Coniferous	833,753	94.6
Broadleaf	13,792	1.6
Mixed	34,177	3.9

<i>Total</i>	<i>881,722</i>	<i>100</i>
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### 3 Indicator 1.1.3 Forest area by seral stage or age class (late seral)

Indicator Statement	Target and Variance
Percent old non-pine forest across the DFA.	<u>Target:</u> As per the "Landscape Biodiversity Objectives for the PG TSA" (applicable to operating areas within the Vanderhoof District. The target is to manage to the mean <u>Variance:</u> To the minimum levels in the order
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

**Was the Target Met?** Yes

See table below for 2013 LOWG Data. All units are above target.

**Table 2: Old Forest by Natural Disturbance Unit Merged BEC**

Natural Disturbance Unit (NDU)	NDU / Merged BEC <sup>1</sup>	Total CFLB (ha)	Old Forest Target		Current Status		
			%	Hectares	Current Area (ha)	% of CFLB	Licensee Action
Moist Interior - Mountain ESSFmv 1	D1	129,033	16%	20,645	25,904	20%	no action
Moist Interior - Plateau SBPSmc	D2	47,275	3%	1,418	3,597	8%	no action
Moist Interior - Plateau SBS dk	D3	166,537	5%	8,327	20,774	12%	no action
Moist Interior - Plateau SBS dw 2	D4	47,462	2%	949	3,417	7%	no action
Moist Interior - Plateau SBS dw 3	D5	205,951	5%	10,298	25,631	12%	no action
Moist Interior - Plateau SBS mc 2	D6	240,223	3%	7,207	23,314	10%	no action
Moist Interior - Plateau SBS mc 3	D7	212,811	2%	4,256	16,785	8%	no action
<b>Totals</b>		<b>1,049,292</b>		<b>53,100</b>	<b>119,421</b>		

### 4 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	<u>Target:</u> Average of 10% annually for blocks harvested within the DFA
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 primarily of wildlife tree patches (WTP) and riparian management areas. WTP are forested patches of timber within or adjacent to a harvested cutblock while riparian management areas are associated with water features within or adjacent to the harvest cutblock. Stand retention provides a source of habitat for wildlife, sustains local genetic diversity, and protects important landscape or habitat features, such as mineral licks and raptor nesting sites. Maintenance of habitat through stand retention contributes to conservation of ecosystem diversity by conserving a variety of forest age classes, stand structure and unique features at the stand level.

Licensees manage stand level retention for each cut block. Retention levels in each block are documented in the associated Site Plan, recorded in the Licensee database systems and reported out in RESULTS (Ministry of Forests and Range data base) on an annual basis.

<sup>1</sup> See Appendix 1 for BEC description and NDU / Merged BEC Maps

The current status for average stand level retention for all cutblocks with completed harvesting between April 1, 2013 and March 31, 2014 in the DFA is found in Table 7.

**Table 7: Stand Level Retention in Harvested Areas, 2013/14**

Total Gross area harvested between April 1 <sup>st</sup> and March 31 <sup>st</sup>	Total retention in blocks harvested between April 1 <sup>st</sup> and March 31 <sup>st</sup>	Percentage
7172.8	947.6	13.21

Average % Retention = (Total WTRA / Total Block Area) X 100

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

Indicator Statement	Target and Variance
Percent of cut blocks harvested consistent with riparian management area strategies identified in Site Plans	<u>Target:</u> 100% <u>Variance:</u> 0
<b>Methodology of Measurement</b>	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.

Blocks with RMA's in SP	# blocks RMA that were in Conformance
74	74

There were 243 RMA's in 74 blocks. There were no instances of non compliance with Site Plan Requirements on any of the blocks in this population (harvest complete) within the reporting period.

## 6 Indicator 1.2.1 Degree of habitat protection for selected focal species, including species at risk

### 6 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 for Species of Management Concern	<u>Target:</u> 100% <u>Variance:</u> 0%
<b>Methodology of Measurement</b>	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.

**Table 56: Forest Operations Consistent with Species and Risk and Sites of Biological Importance, 2013/14**

Number of forest operations with management strategies for Species of Management Concern					Forest operations consistent with identified strategies	% in DFA*
Planning / Permitting / Fieldwork	Roads	Harvesting	Silvi-culture	Total		
0	0	8	0	8	8	% = (# of operations in accordance with identified strategies/ total operations with Species at Risk management strategies) X 100

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. 8 blocks with SAR strategies identified in SP's: 12D03A, 12G03B, 23C001, 002, 003, 005, 007, 01AMAL004 and TOP005 were harvest complete during the reporting period, none of which were identified in ITS as having strategies not met.

## 7 Indicator 1.2.3 Proportion of regeneration comprised of native species

### 7 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	<u>Target:</u> 100% <u>Variance:</u> -5%
<b>Methodology of Measurement</b>	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**

Adherence to the Chief Forester's Seed Use Standards is crucial for sustainable forest management as the standards are designed to establish healthy stands composed of ecologically and genetically appropriate trees. Planting unsuitable genetic stock could result in stands that will not meet future economic and ecological objectives.

Table 15 details the seedlings planted within the DFA in accordance with the Chief Forester's Standards for Seed Use for this reporting period.

**Table 15: Compliance with Chief Forester's Standards for Seed Use**

Licensee	Total Area Planted Seedlings	Area Planted in Accordance with Chief Forester's Standards*	Total % DFA**
Canfor	6,736,583	6,736,583	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

## 8 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 sites of biological significance	<u>Target:</u> 100% <u>Variance:</u> 0%

<b>Methodology of Measurement</b>	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.
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**Was the target met?** Yes

Total Number of Blocks with Management Strategies for Sites of Biological Significance	Number of Blocks Harvested in Accordance with identified Management Strategies for Sites of Biological Significance
12	12

Includes delineation of protected areas (eg. parks, ecological reserves) to achieve the geographic and ecological goals of provincial Protected Areas Strategies (PAS), through representation of a cross-section of ecosystems and old forest attributes. At the stand level, sites of biological significance include fisheries sensitive features (e.g. waterfalls, staging area, spawning area); significant mineral licks and wallows; bird stick nests (e.g. Bald Eagle, Osprey, Great Blue Heron, Goshawk ); bat hibernating and roosting areas; dens (e.g. bear, fisher, wolverine); hot springs; goat cliff and avalanche chutes. Unique areas of biological significance are identified in the field during the planning phase and are managed through avoidance (either by relocating the road and/or harvest area or by protecting it with a wildlife tree retention area) or using an appropriate conservation management strategy such as timing of harvest.

Block	Issue	Management Strategy Implemented?
23C004	Block not harvested due to goat habitat (cliff outside boundary, goat sign within proposed harvest area)	y
BAR019	Area around sticknest reserved from harvest	y
23C001, 23C002, 23C003, 23C005, 23C007, 23C01A, MAL004, TOP005, 12G03B, 12G001	Caribou Habitat management strategies	y

## 9 Indicator 1.4.2 Protection of identified sacred and culturally important sites

### 9 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 and non-aboriginal heritage forest values, knowledge and uses considered in forestry planning processes	<u>Target:</u> 100% of known forest values, knowledge and uses considered <u>Variance:</u> 0%
<b>Methodology of Measurement</b>	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

Blocks where heritage forest values identified	Number of these operations with consideration and identification of this value in plans	Method Used to Query/Collect Data

3	3	Review of Info sharing comments, SP's & ITS
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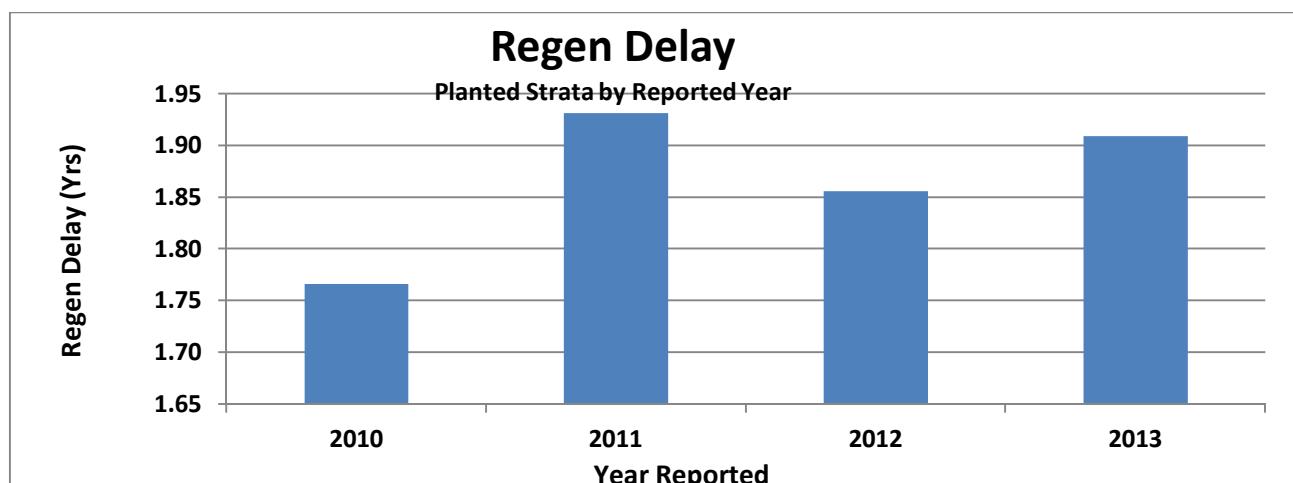
Blocks 12G001, 12G03B & FMA001.

**10 Indicator 2.1.1 Reforestation success (regeneration delay)**

**10 Carbon Update and Storage**

Indicator Statement	Target and Variance
Average regeneration delay for stands established annually	Target: Regeneration established in 3 years or less Variance: + 1 year
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



**11 Indicator 2.2.1 Additions and deletions to the forest area**

Indicator Statement	Target and Variance
Percentage of gross forested land base in the DFA converted to non-forested land use through forest management activities.	Target: <3.3% of the gross land base in the DFA Variance: 0.25%
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

Gross Forest area = 959,268 ha.	Current Status
Permanent Access Structures (Ha.)	15,486 ha.
PCT of Gross Forest Area	1.6144%

This shows current state based on 2012 data for DFA / DVA.

## 12 Indicator 2.2.2 Proportion of the calculated long-term sustainable harvest level that is actually harvested (CI 5.1.1 a)

Indicator Statement	Target and Variance
Percent of volume harvested compared to allocated harvest level	<u>Target:</u> Canfor (2,941,115) 100% over 5 years <u>Variance:</u> +10%
<b>Methodology of Measurement</b>	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.

**Was the target met?** Yes

Based on license A18157 billed volume. This license is a Vanderhoof based license and best represents the DFA.

2011	2012	2013	2014	2015	Rolling average	AAC
392,391	857,500	1,368,347			872,746	588,223

## 13 Indicator 3.1.1 Level of soil disturbance

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

**Was the target met?** Yes

No ITS incidents reported for Canfor based 87 blocks harvested.

## 14 Indicator 3.1.2 Level of downed woody debris

Indicator Statement	Target and Variance
Percent of harvested blocks audited where post harvest CWD BMP's are followed	<u>Target:</u> 100% of blocks harvested annually will meet targets <u>Variance:</u> -10%
<b>Methodology of Measurement</b>	ITS REVIEW – ITS was reviewed for issues related to coarse woody debris on blocks harvested in the reporting year.

**Was the target met?** Yes

No ITS incidents reported for Canfor based 87 blocks harvested.

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

Indicator Statement	Target and Variance
Sensitive watersheds will have further evaluation and appropriate management strategies implemented.	<u>Target:</u> 100% <u>Variance:</u> 0%

<b>Methodology of Measurement</b>	ITS REVIEW – ITS was reviewed for related issues on blocks harvested in the reporting year.
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**Was the target met?** Yes

There were no blocks harvested (complete) within any of the designated sensitive watersheds within this reporting period.

Watershed evaluations have been undertaken for the Vanderhoof Sensitive Watersheds identified for this indicator under this SFMP, recommendations for which are now incorporated into subsequently planned blocks.

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

Indicator Statement	Target and Variance
In Sensitive Watersheds - the % of drainage structures (with identified water quality concerns) where mitigation strategies are implemented as scheduled	<u>Target:</u> 100% <u>Variance:</u> 0%
<b>Methodology of Measurement</b>	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

There were no major drainage structures installed in sensitive watersheds within this reporting period.

## 17 Indicator 4.1.1(d) Net Carbon Uptake

Indicator Statement	Target and Variance
Percent of annual harvest directed at mitigating the impact of mountain pine beetle to forests within the DFA.	<u>Target:</u> >65% or greater LT harvest consists of PI <u>Variance:</u> 0%
<b>Methodology of Measurement</b>	ITS REVIEW – ITS was reviewed for issues related to coarse woody debris on blocks harvested in the reporting year.

**Was the target met?** Yes

For 2013 the number for partition was 75.0% pine based on Harvest Billing System volume billed in 2013 for Canfor in Vanderhoof district.

## 18 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
The percent of forest management operations consistent with the conservation of range resources identified in Site Plans	<u>Target:</u> Sustain 100% consistency between forest management operations and measures to conserve range resources identified in Site Plans. <u>Variance:</u> -5
<b>Methodology of Measurement</b>	ITS REVIEW – ITS was reviewed for issues related to coarse woody debris on blocks harvested in the reporting year.

**Was the target met?** Yes

Blocks with strategies to conserve Range Resources in SP	Number of these operations completed in conformance with SP
2	2

There were 15 blocks with range referral, with 2 blocks that had specific strategies identified or requested.

### 19 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
The percent of forest management operations consistent with the conservation of Visual Quality Objectives.	<u>Target:</u> Sustain 100% consistency between forest mgmt operations and strategies identified in the Site Plan to conserve VQO's <u>Variance:</u> -5%
<b>Methodology of Measurement</b>	WIM REPORT – A report identifies all blocks that have VQO comments in the SP ITS REVIEW – ITS was reviewed for related issues

*Was the target met?* Yes

Blocks harvested between April 1, and March 31 within designated Scenic Areas	# Blocks where exemptions to VQO's are applied for.	Harvested blocks consistent with SP strategies to meet the desired VQO's.
8	0	8

### 20 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
The percent of conformance with the Vanderhoof Access Management Plan for Forest Recreation (VAMP).	<u>Target:</u> Sustain 100% consistency between forest mgmt operations and strategies identified in the Site Plan to conserve VQO's <u>Variance:</u> -5%
<b>Methodology of Measurement</b>	WIM REPORT – A report identifies all blocks that are in the VAMP areas ITS REVIEW – ITS was reviewed for related issues

*Was the target met?* Yes

Canfor Operating Areas overlapping with AMP polygons	
Access Management polygons (C & D) where active operations occurred	5
Total Conformance to these Access Mgmt Polygon areas	5
Access Control Points removed and replaced	0
<b>Percentage Access Areas in Conformance in DFA</b>	<b>100</b>

Canfor conducted operations within VAMP C – Semi Primitive Non-Motorized Access Management Polygons where harvesting was completed within the time period relative to this annual report. S19002 (8.0ha), TRO003 (6.2ha), TRO004 (8.4ha), TRO031 (74.8ha), TRO034 (98.2ha). All commitments were completed.

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

Indicator Statement	Target and Variance
Smoke Management: The percent of prescribed burns that follow the smoke management guidelines.	<u>Target:</u> 100% of prescribed burns follow the smoke management guidelines <u>Variance:</u> -10%
<b>Methodology of Measurement</b>	RESOURCES REPORT – Use the Query Builder reports function in Resources to list the blocks that were burnt in in the Reporting Period. ITS REVIEW – Review ITS for related issues

**Was the target met? Yes**

Number of Burns Between April 1 <sup>st</sup> and March 31 <sup>st</sup> (piles and prescribed)	Number of Those Burns within Smoke Management Guidelines
140	140

% = (Number of Burns within Smoke Management Guidelines / Number of Burns Completed) X 100

**22 Indicator 5.2.1 Level of investment in initiatives that contribute to community sustainability**

Indicator Statement	Target and Variance
Investment in local communities	<u>Target:</u> >=55% of dollars spent in local communities (5 year rolling average) <u>Variance:</u> -10%
<b>Methodology of Measurement</b>	NCI SURVEY – An accounting report called the NCI survey outlines the spending by location. This is compared with the total spending by the operation to determine the %. Speak with divisional accountants for this information.

**Was the target met? Yes**

2011	2012	2013	2014	2015	Average
86%	77%	69%			77%

This target for 2013 was based on Canfor numbers only. The numbers are based on Vanderhoof division spend, not DFA spend. The accounting system does not break down by supply block or area. Based on the percentage being well over target the indicator was inferred to be met. Postal codes are used to define “local” communities and those are defined as Vanderhoof, Engen, Fort Fraser, Fraser Lake for the purpose of this indicator. With Vanderhoof Operations activities shifting heavily to Fort St James, Nadina, Mackenzie and other areas, combined with BCTS’s departure from the plan; this target may have to be revised in the future.

**23 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 company training plans	<u>Target:</u> 100% of company employees and contractors will have both environmental & safety training. <u>Variance:</u> -5%
<b>Methodology of Measurement</b>	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****24 Indicator 5.2.3 Level of direct and indirect employment**

Indicator Statement	Target and Variance
Level of direct and indirect employment	<u>Target:</u> Cut control volume harvested, multiplied by most current local direct and indirect employment multiplier (3.26), as a five-year rolling average (4600) <u>Variance:</u> -700
<b>Methodology of Measurement</b>	CUT CONTROL DOCUMENT – to summarize the volume from FL A18157 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's Vanderhoof Mills (i.e. Plateau & Isle Pierre) consume approximately 2,600,000 m<sup>3</sup> per year which requires wood from outside the Vanderhoof DFA to supplement these requirements. For the volume outside the DFA a multiple of 1.63 (half – consistent with 2006 BC statistics – 1.33 for manufacturing alone) was used to cover milling employment contributions and a portion of the harvesting and trucking. The assumption is that other volume outside this DFA would contribute to employment in other areas.

Area	2011	2012	2013	2014	2015	Rolling average	Jobs
A18157	392,391	857,500	1,368,347			<b>872,746</b>	2842
Other	2,207,000	1,742,500	416,224			<b>1,455,241</b>	2372
							5,214

**25 Indicator 5.2.4 Level of Aboriginal participation in the forest economy**

Indicator Statement	Target and Variance
Number of opportunities for Aboriginals to participate in the forest economy.	<u>Target:</u> > 15 local Aboriginal business relationships or opportunities <u>Variance:</u> -8 of baseline
<b>Methodology of Measurement</b>	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 discluded.

**Was the target met? Yes**

There are 7 First Nation Contracts with Canfor Vanderhoof for the reporting year. Selkin Logging Ltd; Ne-Ke-Yoh Contracting – brushing; Xsu Wii Ax – silviculture; Aiken Lake Contracting – Silviculture; Connely Cruisers – Silviculture; Nanli Ent Ltd – Silviculture; Cheslatta Carrier Nation.  
Note that only signed contracts were used in this analysis.

When this indicator was developed, 2 licensees were contributing to the target. With the departure of BCTS, suggest lowering the target to current status of 7

**26 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 Aboriginal awareness training	<u>Target:</u> 100% <u>Variance:</u> -10%
<b>Methodology of Measurement</b>	TRAINING MATRIX – Check to make sure everyone who is required to take the training has completed it.

**Was the target met? Yes**

*100% of employees who require the training have received it.*

Canfor training requirements are reviewed annually. All applicable staff complete training as per matrix.

**27 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****27 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.	<u>Target:</u> 100% <u>Variance:</u> 0%
<b>Methodology of Measurement</b>	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 harvested blocks are permitted and permits are not issued without completion of information sharing

Blocks harvested	Number of these operations with completed info sharing
87	87

## 28 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
Percent of forest operations in conformance with operational/site plans developed to address Aboriginal forest values, knowledge and uses.	<u>Target:</u> 100% <u>Variance:</u> -0%
<b>Methodology of Measurement</b>	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

Blocks harvested	Number of these operations completed consistent with plan commitments
87	87

## 29 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
Primary and by-products, support opportunities and business relationships that are bought, sold, traded, or donated with other forest dependent businesses, forest users and the local community.	<u>Target:</u> 170 <u>Variance:</u> -60
<b>Methodology of Measurement</b>	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.
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**Was the target met? No**

*The total for the reporting period was 101. The target is 170 and minimum is 110. This target was developed when there were 2 licensees contributing to the target. Suggest several changes to the indicator. First, remove the primary and by-products measure as it is not very effective in measuring the amount of local community support. Suggest lower the target to the current status of 11 donations to community.*

The following table summarizes Canfor performance for 2013 – 2014 reporting Period.

Type	#	Details
Primary and by-products	24	See breakdown below
Donations	11	Saik'uz First Nation Nechako Valley Rodeo Association Nechanko Valley Secondary School Vanderhoof International Airshow Society Vanderhoof and District Minor Hockey School District 91 Neighbourlink Food Bank Nechako Valley Rodeo Association Saik'uz First Nation Vanderhoof International Airshow Society United Way (represents many more charities)
Business Relationships	66	Based on nci survey report. Payments to contractors, suppliers and services
Total	101	

Manufacturer	Products	Tally	Comments
Canfor Vanderhoof	2X4, 2X6 – up to 16' all dimensions, MSR, J-Grade, Square Edge, #2, Stud, Utility, Economy. Trimblocks, Sawdust, HOG Fuel, Chips for pulp; Planer shavings / chips mix for Premium Pellet; Planer Shavings to Cattlemen's Assn for livestock bedding.	14	No change From Previous Period.
L & M Lumber	2X3, 2X4, 2X6, 1X3, 1X4, studs, Japanese Premium, bed frames	5	No change from previous period
Specialty Mills (VSWP, Premium Pellet, Legacy Log Homes, Rocky Mt. Log Homes, etc.)	Finger joints, wood pellets, house logs, log homes, custom timbers	5	No change from previous period
		24	

### 30 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
% of identified tenure holders, stakeholders and residents' forest values, knowledge and uses considered in the forestry planning processes.	<u>Target:</u> 100% <u>Variance:</u> 0

<b>Methodology of Measurement</b>	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

There were 295 letters, e-mails or out going calls and 141 in coming e-mails, calls or letters.

### 31 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

#### 31 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	<u>Target:</u> 100% <u>Variance:</u> 0%
<b>Methodology of Measurement</b>	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.

**Was the target met?** Yes

### 32 Indicator 6.4.1 Level of participant satisfaction with the public participation process

Indicator Statement	Target and Variance
PAG established and maintained and satisfaction survey implemented.	<u>Target:</u> 80% satisfaction from surveys <u>Variance:</u> -10%
<b>Methodology of Measurement</b>	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

PAG Meeting Date	Average Meeting Score
Nov 14 <sup>th</sup> , 2013	4.8 / 5 (96%)

### 33 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	<u>Target:</u> >= 4 <u>Variance:</u> -1
<b>Methodology of Measurement</b>	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?** No

Only one meeting occurred during this reporting period (November 14, 2013) as the LT focused on house cleaning old actions and distribution of the SFM plan. No educational opportunities provided.

**34 Indicator 6.5.1 Number of people reached through educational outreach**

<b>Indicator Statement</b>	<b>Target and Variance</b>
The number of educational opportunities provided	<u>Target:</u> = 5 <u>Variance:</u> -2
<b>Methodology of Measurement</b>	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?** Yes

<b>Location</b>	<b>Description</b>	<b>Method Used to Query/Collect Data</b>
COFI – NRM Camp	Grade 11 & 12 students NTFP Sessions	Field Educational Sessions at Fraser Lake October 2013.
Mill Tours for Students	Geography Students touring the mill	On Site Mill Tours of Plateau Operations
Mill Tours for FN Band	CCN tour of Plateau Planer with Key Band Reps	On Site Mill Tours of Plateau Operations
PG TSA SFM Website	Reading Room – posted material (i.e. Minutes, SFMP, etc.)	Active Website
Canfor External Website	Posting Annual Report and Plan Annual Staff & Contractor training	Active Website

**35 Indicator 6.5.2 Availability of summary information on issues of concern to the public**

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

**Was the target met?** Yes

2012/2013 Annual Report posted on the external Canfor website

**APPENDIX 1.0: NDU Merged BEC Descriptions and Maps**

<b>Natural Disturbance Unit (NDU)</b>	<b>NDU/ Merged BEC</b>	<b>Description</b>
Moist Interior	D1	Moist Interior - Mountain ESSFmv 1
Moist Interior	D2	Moist Interior - Plateau SBPSmc
Moist Interior	D3	Moist Interior - Plateau SBS dk
Moist Interior	D4	Moist Interior - Plateau SBS dw 2
Moist Interior	D5	Moist Interior - Plateau SBS dw 3
Moist Interior	D6	Moist Interior - Plateau SBS mc 2
Moist Interior	D7	Moist Interior - Plateau SBS mc 3