

Vanderhoof

Sustainable Forest Management Plan



2011/12 Annual Report



TABLE OF CONTENTS

1.0 Introduction	3
1.1 List of Acronyms	3
1.2 Executive Summary	4
1.3 SFM Performance Reporting.....	5
2.0 SFM Indicators, Targets and Strategies.....	5
1 Indicator 1.1.1 Ecosystem area by type	5
2 Indicator 1.1.2 Forest area by type or species composition.....	5
3 Indicator 1.1.3 Forest area by seral stage or age class (late seral)	6
4 Indicator 1.1.4 (a) Degree of within-stand structural retention (stand-level retention)	6
Percentage	7
5 Indicator 1.1.4 (b) Degree of within-stand structural retention (riparian management requirements)	7
6 Indicator 1.2.1 Degree of habitat protection for selected focal species, including species at risk.....	7
6 Indicator 1.2.2 Degree of suitable habitat in the long term for selected focal species, including species at risk	7
7 Indicator 1.2.3 Proportion of regeneration comprised of native species	8
7 Indicator 1.3.1 Genetic diversity (<i>not a core indicator</i>).....	8
8 Indicator 1.4.1 Proportion of identified sites with implemented management strategies	8
9 Indicator 1.4.2 Protection of identified sacred and culturally important sites	9
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	9
10 Indicator 2.1.1 Reforestation success (regeneration delay)	9
11 Indicator 2.2.1 Additions and deletions to the forest area	10
12 Indicator 2.2.2 Proportion of the calculated long-term sustainable harvest level that is actually harvested (CI 5.1.1 a) 10	10
13 Indicator 3.1.1 Level of soil disturbance	10
14 Indicator 3.1.2 Level of downed woody debris	10
15 Indicator 3.2.1(a) Proportion of watershed or water management areas with recent stand-replacing disturbance	11
16 Indicator 3.2.1(b) Proportion of watershed or water management areas with recent stand-replacing disturbance	11
17 Indicator 4.1.1(d) Net Carbon Uptake	11
18 Indicator 5.1.1(b) Quantity and quality of timber and non-timber benefits, products, and services produced in the DFA 11	11
19 Indicator 5.1.1(c) Quantity and quality of timber and non-timber benefits, products, and services produced in the DFA 12	12
20 Indicator 5.1.1(d) Quantity and quality of timber and non-timber benefits, products, and services produced in the DFA 12	12
21 Indicator 5.1.1(e) Quantity and quality of timber and non-timber benefits, products, and services produced in the DFA 13	13
22 Indicator 5.2.1 Level of investment in initiatives that contribute to community sustainability.....	13
23 Indicator 5.2.2 Level of investment in training and skills development.....	14
24 Indicator 5.2.3 Level of direct and indirect employment.....	14
25 Indicator 5.2.4 Level of Aboriginal participation in the forest economy.....	14
26 Indicator 6.1.1 Evidence of a good understanding of the nature of Aboriginal title and rights.....	15
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	15
28 Indicator 6.1.3 Level of management and/or protection of areas where culturally important practices and activities (hunting, fishing, gathering) occur.....	15
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.....	16
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.....	17
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.....	17
31 6.3.3 Evidence that a worker safety program has been implemented and is periodically reviewed and improved	17
Indicator 6.4.1 Level of participant satisfaction with the public participation process	17
33 Indicator 6.4.2 Evidence of efforts to promote capacity development and meaningful participation in general..	18
34 Indicator 6.5.1 Number of people reached through educational outreach	18
35 Indicator 6.5.2 Availability of summary information on issues of concern to the public.....	18
APPENDIX 1.0: NDU Merged BEC Descriptions and Maps.....	19

1.0 Introduction

This is the seventh annual report of the Vanderhoof Sustainable Forest Management Plan (SFMP) and covers the reporting period of April 1, 2011 to March 31, 2012.

Canadian Forest Products Ltd. (Vanderhoof) and the Stuart-Nechako Business Area of BC Timber Sales have achieved SFM certification under the CSA Z809-08 standard. This annual report, for the period April 1/11 to March 31/12, contains the performance results relative to the Vanderhoof SFMP, its associated DFA and the forest operations of Canfor and BC Timber Sales.

The SFMP (version 1) is an outline of how the Licensee Team 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 (see indicator 38, pg. 13).

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 Vanderhoof SFMP is presently undergoing a transition in an effort to meet the recently released CSA Z809 08 standard. The licensee team 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.

Current landscape conditions, evolving science, underestimation of project scope and complex data collection methodologies have left some indicators still in the development stage. These indicators are listed in Table 1 as "in progress".

Of the 35 total indicators currently in the SFMP, 0 indicators are in progress and 31 indicators (31/35 = 89%) met their objectives during this reporting period. The following table summarizes the results of the current reporting period.

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

Of the 35 indicators listed in Table 1, 26 indicators were met within the prescribed variances, 0 are pending, and 4 indicators were not met within the prescribed variances. For each off-target indicator, a corrective and preventative action plan is included in the indicator discussion.

Table 1: Summary of Indicator Status, April 1st 2011 to March 31st 2012

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		
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

Ref #	Indicator	Indicator Statement	Target Met	Pending	Target Not Met
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		
	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
Totals			31		4

1.3 SFM Performance Reporting

This annual report will describe the success of the licensee and BCTS 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	Target: 0 hectares Variance: Access construction when no other practical route is feasible.

Was the Target Met? No. Harvesting occurred (11.7 ha) on SBS mc2-07 (in 2011) before this indicator was developed. As this site series was not considered rare at the time of harvesting, this is a conservative, self-reporting measure.

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	Target: Treed conifer: No target; Treed Broadleaf: 1.6-5%; Treed Mixed: 3.9-9% Variance: None below proposed targets

Was the Target Met? Yes

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.	Target: 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 science mean with a variance to the minimum of the legal objectives. Variance: As above.

Was the Target Met? Yes

Table 2: Old Forest by Natural Disturbance Unit Merged BEC

Natural Disturbance Unit (NDU)	NDU / Merged BEC ¹	Total CFLB (ha)	Old Forest Target		Current Status		
			%	Hectares	Current Area (ha)	% of CFLB	Licensee Action
Moist Interior - Mountain ESSFmv 1	D1	129,042	16%	20,647	25,246	20%	no action
Moist Interior - Plateau SBPSmc	D2	47,275	3%	1,418	3,597	8%	no action
Moist Interior - Plateau SBS dk	D3	166,587	5%	8,329	20,829	13%	no action
Moist Interior - Plateau SBS dw 2	D4	47,536	2%	951	3,422	7%	no action
Moist Interior - Plateau SBS dw 3	D5	205,974	5%	10,299	26,208	13%	no action
Moist Interior - Plateau SBS mc 2	D6	240,259	3%	7,208	24,217	10%	no action
Moist Interior - Plateau SBS mc 3	D7	212,817	2%	4,256	17,075	8%	no action
Totals		1,049,491		53,108	120,593		

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	Target: Average of 10% annually for blocks harvested within the DFA
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 and BCTS manage stand level retention for each cut block. Retention levels in each block are documented in the associated Site Plan, recorded in the Licensee/ BCTS database systems and reported out in RESULTS (Ministry of Forests and Range data base) on an annual basis.

The current status for average stand level retention for all cutblocks with completed harvesting between April 1, 2011 and March 31, 2012 in the DFA is found in Table 7.

Table 7: Stand Level Retention in Harvested Areas, 2011/12

¹ See Appendix 1 for BEC description and NDU / Merged BEC Maps

Licensee	Total Gross area harvested between April 1 st and March 31 st	Total retention in blocks harvested between April 1 st and March 31 st	Percentage
Canfor	8,789.5	1,336.7	15.2%
BCTS	1,550.7	343.6	22.2%
TOTAL	10,340.2	1,680.3	16.2%

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	Target: 100% Variance: 0
Was the target met? Yes	

Licensee	No. Blocks Logged, with RMA Strategies	No. those Blocks that were in Conformance	Method Used to Query / Collect Data
Canfor	77	77	SP, harvest Inspection & ITS review.
BCTS	12	12	SP, harvest Inspection & ITS review.
TOTAL	89	89	

The flagging was missing on one machine free zone, but the buncher operator caught it and MFZ was maintained. Of the 77 Canfor blocks there were 294 RMA's.

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	Target: 100% Variance: 0%
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 and BCTS 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 and BCTS 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.

Table 56: Forest Operations Consistent with Species and Risk and Sites of Biological Importance, 2011/12

Licensee	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		
Canfor	0	0	0	0	0	0	
BCTS	0	0	0	0	0	0	
TOTAL	0	0	0	0	0	0	100%

* = (# of operations in accordance with identified strategies/ total operations with Species at Risk management strategies) X 100

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	Target: 100% Variance: -5%

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 areas 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, 2011/12

Licensee	Total Area Planted Seedlings	Area Planted in Accordance with Chief Forester's Standards*	Total % DFA**
Canfor	6,285,808	6,229,460	99.1%
BCTS	3,886,290	3,886,290	100.0%
TOTAL	10,172,098	10,115,750	99.4%

* 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	Target: 100% Variance: 0%
Was the target met? Yes	

Licensee	Total Number of Blocks Harvested Between April 1 st and March 31 st with Management Strategies for Sites of Biological Significance	Number of Blocks Harvested in Accordance with identified Management Strategies for Sites of Biological Significance	Method Used to Query/Collect Data	% in DFA
Canfor	0	0	SP review (does not include SAR or rare ecosystem groups).	100
BCTS	0	0	SP review (does not include SAR or rare ecosystem groups).	
TOTAL	0	0		

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.

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%
Was the target met? Yes	

Licensee	Blocks harvested Between April 1 st and March 31 st where heritage forest values identified	Number of these operations with consideration and identification of this value in plans	Method Used to Query/Collect Data	% in DFA
Canfor	2	2	Review of Info sharing comments, SP's & ITS	100
BCTS	5	5	Review of SP's & EMS inspections	
TOTAL				

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	<u>Target:</u> Regeneration established in 3 years or less <u>Variance:</u> + 1 year
Was the target met? Yes	

Year	Average years to declare regeneration delay following the start of harvesting.
2011	Canfor 1.93
2011	BCTS 1.92

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.	<u>Target:</u> <3.3% of the gross land base in the DFA <u>Variance:</u> 0.25%
Was the target met? Yes	

Gross Forest area = 870,701 ha.	Current Status	Future Status
Permanent Access Structures (Ha.)	20,087 ha.	22,751
PCT of Gross Forest Area	2.3%	2.61%

The target from the original indicator (4.2%) was multiplied by the ratio of the THLB/Gross Forest Area to calculate the target for the current indicator (690,324 ha./ 870,701 ha. times 4.2% = 3.3%).

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 (5,737,215) 100% over 5 years BCTS 100% 511,334 annually <u>Variance:</u> +10%
Was the target met? No	

BCTS harvest levels were at 42.5% or 217,599 m³ for 2011/12. Canfor was at 91.3% over 5 year cut control period.

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%
Was the target met? Yes	

No ITS incidents reported for Canfor or BCTS. Based on 12 blocks for BCTS and 65 blocks for Canfor.

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%
Was the target met? Yes	

100% compliance for BCTS and Canfor.

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%
Was the target met? Yes	

There was no harvesting in Sensitive Watersheds during this reporting period.

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%
Was the target met? Yes	

No drainage structures installed in sensitive watersheds.

17 Indicator 4.1.1(d) Net Carbon Uptake

Indicator Statement	Target and Variance
Percent of annual LT 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%
Was the target met? Yes	

Species % of LT Harvest Volume (Scaled) - Apr 1/11 to March 31/12	Pine 70.9% Spruce 21.8% Balsam Fir 7.2% Douglas-Fir 0.1%
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Source – Harvesting Billing Summary for Canfor & BCTS

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
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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
Was the target met? Yes	

Licensee	Blocks harvested Between April 1 st and March 31 st with strategies to conserve Range Resources in SP	Number of these operations completed in conformance with SP	Method Used to Query/Collect Data	% in DFA
Canfor	0	0	Review of SP's & EMS inspections	100
BCTS	0	0	Review of SP's & EMS inspections	
TOTAL	0	0		

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%
Was the target met? Yes	

Licensee	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.	Method Used to Query/Collect Data	% in DFA
Canfor	3	0	3	Sp review and ITS	100
BCTS	2	0	2	Review of SP's & EMS inspections	
TOTAL					

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 LT conformance with the Vanderhoof Access Management Plan for Forest Recreation.	<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%
Was the target met? Yes	

Canfor and BCTS Operating Areas overlapping with AMP polygons	
Access Management polygons (C & D) where active operations occurred	3
Total Conformance to these Access Mgmt Polygon areas	3
Access Control Points removed and replaced	0
Percentage Access Areas in Conformance in DFA	100

Canfor conducted operations within VAMP D – Semi Primitive Non-motorized, Non-roaded Polygons where harvesting was completed within the time period on 45D002 (1.2 ha) in the amp that has no road access. Also;

on 62A002 (39.3 ha) where no commitments were made, however winter road deactivations were implemented. In addition to this, but not applicable to this reporting period as harvest is partial at this time, 45D003 has 691.7 ha within VAMP – D, where stakeholder commitments were made and upheld, pending completion of harvest. 04A001 encroaches on 0.6 ha within VAMP C – Semi Primitive non-motorized, and no road access was created within that AMP polygon.

BCTS conducted operations (1 block) within Semi Primitive Motorized polygon (Finger North). Road Deactivation completed 10 blocks (Lavoie Lk, Finger-Tatuk and Finger North) SPM. Silviculture activities in Davidson Semi-Primitive Non-Motorized polygon (Brushing June 23 – 27, FG Surveys Aug 5, 16, 17, 19, 25, 30). All consistent with the AMP.

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%
Was the target met? Yes	

Licensee	Number of Burns Between April 1 st and March 31 st (piles and prescribed)	Number of Those Burns within Smoke Management Guidelines	Method Used to Query/Collect Data	% in DFA
Canfor	138	138	ITS, On-site Supervision, Operations Staff.	99
BCTS	25 blks with piles burnt	24 blks with forms submitted	96 % - Hazard abatement form submitted	
TOTAL	163	162		

% = (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%
Was the target met? Yes	

Licensee	Percent of Forest Management Expenditures within the DFA	Method Used to Query/Collect Data	% in DFA
Canfor	86%	Vanderhoof division expenditures by service area	85
BCTS	32% (influenced largely by Silviculture)	Expenditures by service area for DFA	
TOTAL		Weighted Average PERCENT	

Canfors local spend percentage is based on \$95,511,968 divided by \$110,586,759. It should be noted that a portion of the spending was out side the DFA. There was some in Fort St James DFA and some in Prince George DFA. 65 blocks out of 83 harvested were in the DFA. Account coding is not split by district or DFA. Based on the very high level of local spend well above the target it is safe to say the indicator is met.

BCTS numbers are based on \$1,867,262 Forest Management spend of which \$604,153 was tributary to communities in the DFA.

Percent for DFA is based in \$96,116,121/\$112,454,021. This will be year one of the rolling average mentioned above.

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%
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
Was the target met? Yes	

Harvest levels

Licensee	2011	2012	2013	2014	2015	Rolling average	Jobs
Canfor	217,599					217,599	
BCTS	1,240,198					1,240,198	
TOTAL	1,457,798					1,457,798	4752

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
Was the target met? No	

Canfor had 6 contract relationships. Data from BCTS has not been provided. Current status going back the previous 3 years indicates the results between 7 and 10 relationships. With harvesting and work shifting outside the plan (e.g. Fort St James) growing this indicator with work volume shrinking in the DFA may not be realistic. Also; in previous reporting periods, additional "Opportunities" were included on top of actual contracts. This information was not compiled for this reporting period. Had it been, performance relative to this indicator would be higher.

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	Target: 100% Variance: -10%
Was the target met? Yes	

For Canfor training requirements are reviewed annually. All staff completed training as per matrix.

BCTS Planning Foresters facilitate FN consultation & therefore require awareness training. Evidence supplied through training summary.

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.	Target: 100% Variance: 0%
Was the target met? Yes	

Licensee	Blocks harvested Between April 1 st and March 31 st	Number of these operations with completed info sharing	Method Used to Query/Collect Data	% in DFA
Canfor	65	65	Info sharing report by harvest period.	100
BCTS	12	12	Review of FSP checklists	
TOTAL	77	77		

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..	Target: 100% Variance: -0%
Was the target met? Yes	

Licensee	Blocks harvested Between April 1 st and March 31 st	Number of these operations completed consistent with plan commitments	Method Used to Query/Collect Data	% in DFA
Canfor	65	65	Info sharing, SP and Arch report by harvest period.	100
BCTS	12	12	Review of FSP Checklists, SP's & EMS Inspections	

TOTAL	77	77	100
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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
Was the target met? Yes	

The following table summarizes Canfor and BCTS performance for 2011.

Type	#	Details
Primary and by-products	24	
Support Opportunities	50	Cash Donations 18 Product Donations 4 Resource and Worker Donations 14 Community Events 14
Business Relationships	75	Forestry Management 23 Silviculture 13 Harvesting / Road Construction 39
Total	149	

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	Clarified some of the products from previous 2 years.
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
Was the target met? Yes	

Description of Opportunity	BCTS	Canfor
Emails and calls	16	281
Individual Meetings	3	10
Letters:	74	130
Harvest notifications		78
Planning packages	74	44
Other (ads)	2	8

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%
Was the target met? Yes	

BC Timber Sales – Cert No. 9080032, Valid Until 22-June 2015 (source list of SAFE Certified Companies)

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> PAG meeting satisfaction score of ≥ 4 <u>Variance:</u> 10
Was the target met? Yes	

Apr 28/11 – 4.1, Aug 25/11 – N/A, Sept 29/11 – N/A, Nov 17/11 – 3.7, Jan 26/12 – 4.5, Feb 27/12 – 4.0, March 29/12 – 4.7 = Avg. of 4.2

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%
Was the target met? Yes	

PAG Meeting Date	Average Meeting Score
April 2011	4.1
August 2011	NA
November 2011	3.7
January 2012	4.5
February 2012	4.0
March 2012	4.7
Overall average	4.2

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	Target: ≥ 4 Variance: -1
Was the target met? Yes	

Five (5) opportunities were provided to the PAG during this reporting period: 1. Dr. Greg Halseth, Canada Research Chair in Rural and Small Town Studies, UNBC – community development; 2. John DeGagne and Gord Saito, MoFLNRO - Access Management Plan; 3. Gerd Erasmus – Habitat Elements; 4. Jim McCormack, Canfor – Canfor's Biodiversity Strategy; 5. Ralph Hausot, Canfor - Silviculture Management in the DFA.

34 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: -2
Was the target met? Yes	

Location	Description	Method Used to Query/Collect Data
BCTS - TSN Certification Website	SFMP posting, SFM Awareness training, Refresher training, Soil Conservation	Active BCTS certification website
MOFR Office - DVA	SFM Awareness - BCTS EMS Booklets	EMS Documents
PG TSA SFM Website	Reading Room – posted material (i.e. Old Growth)	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

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
Was the target met? No	

The report was delayed due to a new standard and reports being developed to obtain data. The next report is due on September 30, 2013.

APPENDIX 1.0: NDU Merged BEC Descriptions and Maps

Natural Disturbance Unit (NDU)	NDU/ Merged BEC	Description
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