

Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area



Mackenzie Sustainable Forest Management Plan

Facilitator Report

March 31, 2010



TESERA SYSTEMS INC.

Box 2130 Prince George British Columbia Canada V2N 2J6
Phone: **1.866.698.8789** Fax: **250.564.0393** www.tesera.com

March 15, 2010

Dan Szekely, RPF
Planning Forestry Supervisor
Canadian Forest Products Ltd.
Admin Building - Mill Road
Box 310
Mackenzie, BC V0J 2C0

Dear Dan,

Here is the 2009/2010 Facilitator Report for the "Mackenzie SFM Plan Public Advisory Group. This Report is in fulfilment of Contract # FIA08-8023001-01.

This report contains the following:

1. Terms of Reference for the PAG
2. PAG Meetings (schedule of meetings, agendas, sign-in sheets, minutes)
3. Evaluations (sample of evaluation forms, feedback chart, feedback comments)
4. Letters of Invitation
5. Mailing List and Meeting Attendance
6. First Nations Correspondence
7. Public Correspondence
8. Continuous Improvement Issues Matrix and SFM Indicator Matrix
9. Multi Criteria Scoring (not available)
10. Meeting Handouts

A digital version of this report is also provided (under separate cover). Please note that some of the documents in the digital version of the Facilitator's Report are not available digitally. The hardcopy Facilitator Report should be considered as the complete reference.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe". The signature is written in a cursive, flowing style.

Dwight Scott Wolfe, R.P.F
Operations Manager
Tesera Systems Inc.



BCTS
BC Timber Sales
Prince George Business Area

Mackenzie Sustainable Forest Management Plan

Public Advisory Group

Facilitator Report
2009-2010

Table of Contents

1	Terms of Reference Member Structure Survey
2	PAG Meetings Schedule of Meetings Meeting Attendance Agendas Sign-in sheets Summaries
3	Meeting Evaluations Feedback chart Feedback Comments Sample Evaluation Forms
4	Letters of Invitation Advertisements & Articles Posters General Public First Nations
5	Mailing Lists General Public & First Nations First Nations Mackenzie PAG
6	First Nations Copies of Correspondence
7	Public Copies of Correspondence
8	SFMP Continuous Improvement Matrix
9	Multi-Criteria scoring CI Matrix Survey
10	Meeting Handouts



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area



Mackenzie Sustainable Forest Management Plan

Public Advisory Group

Terms Of Reference

February 10, 2010

1. Background

1.1 Purpose of Sustainable Forest Management Plan

As society has been increasingly affirming a wider set of values that forests can provide, the forest industry has witnessed a distinct change in the philosophy of forest management. Though timber may still be the primary economic value from the forests, a wider range of economic, environmental and social values is being demanded.

Forest management now involves the sustainable management of a much larger spectrum of values and at the same time ensuring that the benefits we enjoy from the forests today do not impact on the ability of subsequent generations to enjoy benefits from the forests in the future. This concept is commonly referred to as "Sustainable Forest Management" (SFM). Sustainable Forest Management (SFM) refers to being economically sustainable on public land, respecting the social needs of the public, and sustaining viable ecosystems. The objective of SFM is to concurrently balance the sustainability of forestry-related ecological, social and economic values for a defined area.

SFM has gained acceptance at the international, national, and local levels. Furthermore, SFM has attracted the attention of buyers of forest products who are increasingly demanding that the industry demonstrate that products are derived from forests managed on a sustainable basis. As a result, forest certification has emerged as a dominant factor in the forest industry in order to provide assurances to buyers of wood products that the management of forests meets identified standards that are considered critical for SFM. As British Columbia forest companies have evolved and have become dependent on the global marketplace for the export of forest products, the issues of sustainable forest management and forest certification have become paramount.

Canadian Forest Products Ltd., in partnership with other licensees, academics, resource specialists, government agency staff, interested parties, and other related organizations has designed an integrated framework for sustainable forest management across its divisions. This Sustainable Forest Management (SFM) Framework has become a credible alternative to current forest management planning in the interior of British Columbia.

The primary purposes of Canadian Forest Products Ltd. and BC Timber Sales Prince George Business Area are to:

- a. Rely on the SFM Framework as the conceptual forest management strategy for the certification effort in Mackenzie;
- b. Jointly develop an Sustainable Forest Management Plan (SFMP) within the geographic area of the Mackenzie Forest District to meet the SFM standard requirements (Z809-02) developed by the Canadian Standards Association (CSA);
- c. Support a public advisory process to:
 - Identify and select indicators, measures and targets, based on the SFM framework and any other criteria relevant to the DFA;
 - Develop, assess, and select alternative strategies;
 - Review the SFMP;
 - Design monitoring programs, evaluate results and recommend improvement; and
 - Discuss and resolve any issues relevant to SFM in the DFA;
- d. Work together to fulfill the SFMP commitments including data collection and monitoring, participating in public processes, producing public reports, and continuous improvement.

The SFMP may be used by Canadian Forest Products Ltd. and BC Timber Sales Prince George Business Area to prepare for eventual certification under the Canadian Standards Association's (CSA) SFM Standard (Z809-02).

This SFMP is intended to be consistent with all existing legislation and other strategic plans.

1.2 Mackenzie SFMP Steering Committee

The current Mackenzie SFMP Steering Committee for the Mackenzie SFMP consists of representatives from BC Timber Sales Prince George Business Area (BCTS) and Canadian Forest Products Ltd. (Canfor).

1.3 Defined Forest Area

The SFMP applies to only the Defined Forest Area (DFA). A DFA is a specified area of forest, including land and water. The DFA for this SFMP is within the Mackenzie Forest District, excluding areas such as private lands, woodlots, Williston Reservoir, Indian reserves, Large Parks and Treaty 8 Lands¹. The DFA boundaries are shown on the map provided in Appendix A.

1.4 Public Advisory Group

The Public Advisory Group (PAG) for the Mackenzie SFMP is comprised of individuals representing the interests listed in section 6.1.1. who voluntarily participate in the PAG process. As outlined in these terms of reference, the PAG will specifically work under the Defined Goals (section 2) as an open, transparent and accountable process. The Mackenzie SFMP Steering Committee and the PAG recognize and agree that Aboriginal participation in the public participation process will not prejudice Aboriginal and Treaty rights.

1.5 Legislation

The Mackenzie SFMP Steering Committee and the PAG shall ensure that the indicators, measures and targets are consistent with current relevant government legislation, regulations and policies. The Mackenzie SFMP Steering Committee and the PAG must also respect the findings of any formal public participation processes that have developed values, objectives, indicators, or targets relating to the CSA SFM elements at a landscape or regional level in the area in which the DFA is situated.

2. Defined Goal

The goal of the Mackenzie SFMP is to demonstrate commitment to sustainable forest management for the DFA. The Mackenzie SFMP Steering Committee, with input from the PAG, will be responsible for developing and implementing the SFMP.

The PAG will have the opportunity to work with the Mackenzie SFMP Steering Committee to:

- a. Identify and select indicators, measures and targets, based on the SFM framework and any other criteria relevant to the DFA;
- b. Develop, assess, and select alternative strategies;
- c. Review the SFMP;
- d. Design monitoring programs, evaluate results and recommend improvement; and
- e. Discuss and resolve any issues relevant to SFM in the DFA.

¹ Refers to fee simple and reserve lands

3. Timelines

Key dates for developing the SFMP:

	<u>To be completed by:</u>	<u>Completed on:</u>
a. Invitations sent to potential participants and newspaper ads published	January 15, 2006	Letters - January 10, 2006 Ads - January 17 & 24, 2006
b. Public Open House	January 21, 2006	January 23, 2006
c. Initial Public Advisory Group meeting	January 28, 2006	January 31, 2006
d. PAG input into the CSA matrix	June 2006	May 9, 2006
e. Strategic scenario analysis	September 2006	October 17, 2006
f. Review of draft SFMP by PAG	October 2006	October 2006
g. SFM Certification Audits	November 2006	November 2006 – February 2007
h. Review of Final SFMP by PAG	April 29, 2008	April 29, 2008

Following the completion of the SFMP, it is estimated that the PAG meeting schedule would include 2–3 meetings per year (as required) beginning in 2007.

4. Communication

4.1 Between the PAG and Mackenzie SFMP Steering Committee

- a. The Mackenzie SFMP Steering Committee will ensure that the PAG meeting summaries are distributed to the PAG within one week
- b. The Mackenzie SFMP Steering Committee will strive to provide background and technical information to the PAG as related to the PAG's defined role, including information related to the DFA and SFM requirements. Confidential business information of the Mackenzie SFMP Steering Committee such as financial or human resource information may be deemed sensitive or proprietary and may not be released.
- c. The Mackenzie SFMP Steering Committee will respond to all recommendations from the PAG. The Mackenzie SFMP Steering Committee will indicate how they applied the recommendations or provide reasons for not applying them. The meeting summary will capture the reasons for not implementing any PAG recommendations, whole or in part.
- d. The Mackenzie SFMP Steering Committee will provide a copy of the SFMP and annual reports to the PAG.
- e. The Mackenzie SFMP Steering Committee may caucus prior to responding to the PAG.

4.2 With the Public

- a. The Mackenzie SFMP Steering Committee will make copies of the SFMP and annual reports available to the public.
- b. When communicating to the media and external parties about the SFMP and PAG process, the PAG and the Mackenzie SFMP Steering Committee will speak only on behalf of their own personal perspectives, will be respectful of each other, and avoid characterizing their comments as representing the PAG or the Mackenzie SFMP Steering Committee. They will also inform the PAG and Mackenzie SFMP Steering Committee of their communication with the media.
- c. The PAG and Mackenzie SFMP Steering Committee may invite the media to attend meetings as observers with advance notification to the PAG and Mackenzie SFMP Steering Committee.

5. Resources

5.1 Travel Expenses

- a. Air travel from Tsay Keh and Fort Ware will be reimbursed for PAG representatives (or in their absence, their alternates). When necessary, mileage between these villages to catch flights to attend Mackenzie PAG meetings will be reimbursed.
- b. Mileage to and from PAG meetings for those PAG representatives (or in their absence, their alternates) traveling more than 25 kilometers each way to the meeting site will be reimbursed per kilometer at the provincial government rate. Mileage for those PAG representatives (or in their absence, their alternates) traveling between Tsay Keh or Kwadacha to/from Mackenzie will be reimbursed at the discretion of the Mackenzie SFMP Steering Committee. PAG representatives (or in their absence, their alternates) traveling from outside the Mackenzie Forest District must obtain approval for travel expenses from the Mackenzie SFMP Steering Committee before the meeting.
- c. Overnight accommodation for PAG representatives and alternates traveling to PAG meetings will be reimbursed if pre-approved by the Mackenzie SFMP Steering Committee. As a general principle, accommodation should be economical.
- d. Expense forms with copies of receipts for the above must be submitted to Canfor-Mackenzie within two weeks following the PAG meeting.

5.2 Meeting Expenses

- a. The Mackenzie SFMP Steering Committee will provide meeting rooms, meals, refreshments, a facilitator, and a scribe.
- b. The Mackenzie SFMP Steering Committee will provide adequate material and other resources to assist the PAG in understanding the relevant concepts.

6. Responsibilities

6.1 Public Advisory Group

6.1.1 Membership Structure

The PAG reflects a range of interests in the DFA. Members of each identified sector will select one representative and one alternate to participate in the PAG. Each representative and alternate will be allowed to represent only one of the sectors listed in Appendix B.

In addition to members of the public participating in the PAG, Aboriginal peoples have a unique legal status and may possess special knowledge concerning Sustainable Forest Management based on their traditional practices and experience. Each of the local First Nations listed below will be encouraged to invite their members to participate in the Mackenzie SFMP PAG. Members of each of the local First Nations attending PAG meetings will be invited to select a representative and alternate to participate in the PAG:

- Kwadacha First Nation
- McLeod Lake Band
- Nak'azdli First Nation

- Saulteau First Nations
- Takla Lake First Nation
- Tsay Keh Dene
- West Moberly First Nations

6.1.2 Selection of the PAG

- a. The Mackenzie SFMP Steering Committee will recruit potential local PAG representatives and alternates through mailed invitations to individuals, an open house, posters, and advertisements through local media.
- b. Interested parties and the Mackenzie SFMP Steering Committee will review the potential membership at the initial PAG meeting. The Mackenzie SFMP Steering Committee will compile all names of potential representatives. Potential representatives for each interest area will discuss and agree as to who will stand as representative(s) and alternate(s). If they are unable to select a representative or alternate for the interest area, then the Mackenzie SFMP Steering Committee will recommend a solution.
- c. Once the PAG is established, the PAG and the Mackenzie SFMP Steering Committee can recommend changes in PAG structure, list of interests, and potential members.
- d. The Mackenzie SFMP Steering Committee, in consultation with the PAG, approves appointments and replacement of PAG representatives and alternates.

6.1.3 Responsibilities of PAG Representatives

PAG representatives are responsible for:

- a. Providing input related to the Defined Goals (defined in Section 2);
- b. Being prepared, informed and ready for meetings;
- c. Requesting of the Mackenzie SFMP Steering Committee an advisor to provide information when the PAG considers this necessary;
- d. Acting as a liaison between the PAG and others from the interest area they are representing;
- e. Assuming responsibility towards reaching consensus on recommendations to the Mackenzie SFMP Steering Committee;
- f. Attending meetings. It is recognized that PAG representatives may miss some meetings due to the nature of their work or other activities;
- g. Informing their alternate and the facilitator if unable to attend a PAG meeting. If a PAG representative misses more than two consecutive meetings without a valid reason and without notifying his/her alternate and the facilitator, the Mackenzie SFMP Steering Committee may, based on consultation with the PAG, replace or remove that representative;
- h. Ensuring that the alternate is informed, up-to-date and prepared prior to the alternate participating in a PAG meeting. This includes providing the alternate with a past meeting summary in a timely, effective fashion; and
- i. Providing their input on upcoming agenda items when they are aware that they will be absent from a PAG meeting. They may provide their information to another PAG member or the Mackenzie PAG Steering Committee to present at the PAG meeting or forward it in writing to the facilitator who will then provide to the Mackenzie PAG Steering Committee or a specified PAG member to present at the meeting.

6.1.4 Responsibilities of PAG Alternates

An alternate may be appointed for each PAG representative. The PAG alternate is responsible for:

- a. Attending PAG meetings on behalf of the representative. When doing so, the alternate agrees to work according to the Terms of Reference; and
- b. Coming informed, up-to-date, and prepared for discussions and decision-making based on briefings by the representative when attending on behalf of the representative.

6.2 Mackenzie SFMP Steering Committee

The Mackenzie SFMP Steering Committee is responsible for:

- a. Providing and clarifying information to the PAG as related to the Defined Goals. Where possible, this material will be provided in advance of the meeting;
- b. Providing the PAG with necessary and reasonable human, physical, financial, information and technological resources;
- c. Where possible, informing the PAG (via the agenda) of any advisor attending a meeting;
- d. Not participating in reaching consensus on recommendations by the PAG;
- e. Considering and responding to the recommendations of the PAG;
- f. Making decisions regarding sustainable forest management and certification; and
- g. Preparing the PAG meeting agendas and summaries.

6.3 Advisors

The Mackenzie SFMP Steering Committee will invite advisors, as required, to provide technical information and advice to the PAG. These advisors could be from government agencies, professional organizations, academia, consulting firms, or other sources. Advisors are responsible for:

- a. Providing and/or clarifying technical or legal information as requested; and
- b. Not participating in reaching consensus on recommendations by the PAG.

6.4 Observers

The public is welcome to participate in discussions at PAG meetings. They may not participate in reaching consensus on recommendations by the PAG.

6.5 Facilitator

The PAG facilitator is responsible for:

- a. Ensuring that PAG meetings address the agreed-upon agenda items;
- b. Starting and ending meetings at the times stated in the agenda;
- c. Managing and implementing the Terms of Reference, including the appropriate participation of the PAG, the Mackenzie SFMP Steering Committee, advisors, and observers;
- d. Enabling equitable opportunity by all PAG representatives (or in their absence, their alternates) to participate in the meetings;
- e. Working to clarify interests and issues, and help the PAG build recommendations;
- f. Not participating in reaching consensus on recommendations by the PAG;

- g. Distributing the agenda prior to each PAG meeting; and
- h. Distributing the PAG meeting summaries following each PAG meeting.

7. Conflict of Interest

The PAG recognizes that a conflict of interest could occur if there is a potential for a representative (or his or her alternate) to personally and directly benefit from specific recommendations from the PAG. Therefore, if a PAG representative or alternate has a perceived or real conflict of interest that could result in a potential exclusive personal economic benefit in relation to his or her input to the Defined Goals, that representative or alternate, other PAG representatives and alternates, or a member of the Mackenzie SFMP Steering Committee must state the potential conflict. The PAG and the Mackenzie SFMP Steering Committee will then decide on what actions are needed.

Potential actions could include asking the representative or alternate to:

- a. Serve as an observer for the relevant specific issue(s) and recommendation(s);
- b. Take a leave from the PAG (length of term to be defined); or
- c. Carry on with normal participation.

8. Operating Guidelines

8.1 Meetings Guidelines

All participants in this process agree to:

- a. Arrive on time;
- b. Be prepared for each meeting;
- c. Follow the speakers list;
- d. Be respectful;
- e. Be concise; and
- f. Stay on topic.

8.2 Meeting Agenda and Schedule

The meeting agenda and schedule may change if agreed to by the PAG and Mackenzie SFMP Steering Committee.

8.2.1 Meeting Agenda

- a. Meeting agendas will address the needs of the SFMP and CSA requirements.
- b. The PAG may provide input to meeting agendas during each meeting.
- c. The agenda will include proposed objectives for the meeting.

8.2.2 Meeting Schedule

- a. The PAG and Mackenzie SFMP Steering Committee will agree upon meeting dates.
- b. Meetings will be held as needed to monitor and review the SFMP.

9. Decision Making and Methodology

- a. Anyone attending PAG meetings may participate in the discussions. However, only representatives will participate in making decisions, that is, recommendations to the Mackenzie SFMP Steering Committee.
- b. The PAG agrees to work by consensus. Consensus is defined as no PAG representative substantially disagreeing on an issue and being willing to proceed to the next step. The PAG will work to identify the underlying issues, seek compromise, identify alternatives, and clarify information. The PAG shall make every effort to achieve consensus in a positive and respectful manner, and commits to arriving at the best solution possible.
- c. The PAG will not revisit past decisions unless the PAG representatives agree to do so.
- d. A quorum for any meeting of the PAG shall be greater than 50% of the average number of PAG representatives attending the past five (5) meetings.

10. Dispute Resolution Mechanism

10.1 Process Issues

The facilitator will resolve process issues.

10.2 Technical Issues

- a. Where an impasse is reached, the representation(s) with the outstanding issue shall offer solutions or options for resolution.
- b. If the impasse remains, the generally agreed-upon decision, along with the dissenting view(s), will be forwarded to the Mackenzie SFMP Steering Committee.

11. Review and Revisions

The PAG and Mackenzie SFMP Steering Committee will review and agree upon the Terms of Reference at least annually.

Approved:

Public Advisory Group
Mackenzie SFMP Steering Committee

Date: January 31, 2006

Date: January 31, 2006

Revised:

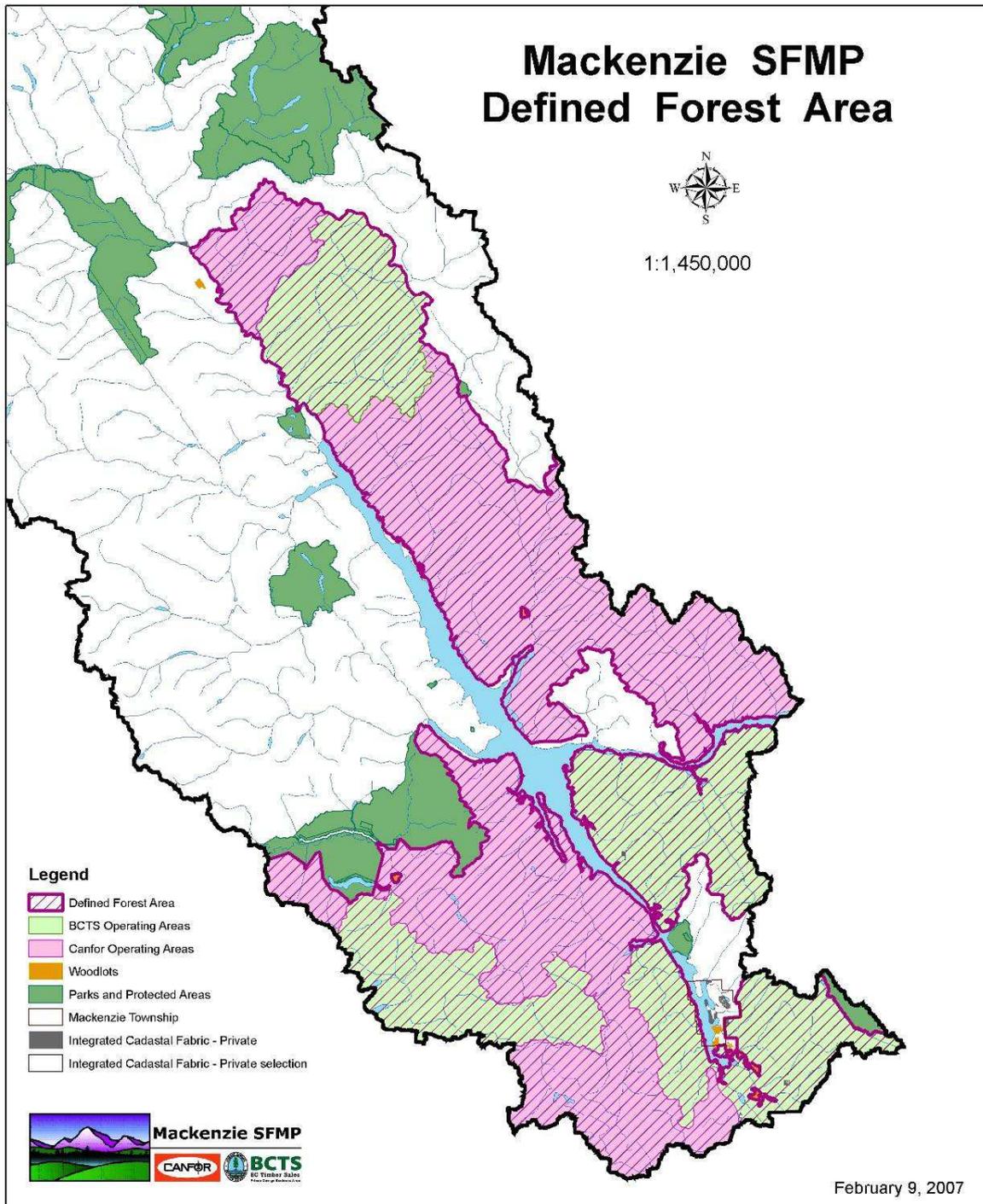
Public Advisory Group
Mackenzie SFMP Steering Committee

Date: February 10, 2010

Date: February 10, 2010

Appendix A

Map of the Defined Forest Area (DFA)



Appendix B

Public Advisory Group Sectors

Academia
Agriculture/Ranching
Contractors – Forestry
Environment/ Conservation
First Nations²
General Public
Germansen Landing
Labour – CEP
Labour – PPWC
Local Government
McLeod Lake Indian Band
Mining/Oil & Gas
Noostel Keyoh
Public Health & Safety
Recreation – Commercial
Recreation – Non-commercial
Saulteau First Nation
Small Business – Germansen Landing
Small Business – Mackenzie
Small Community
Trapping
West Moberly First Nation
Woodlot

Approved:

Public Advisory Group	Date: January 31, 2006
Mackenzie SFMP Steering Committee	Date: January 31, 2006

Revised:

Public Advisory Group	Date: February 10, 2010
Mackenzie SFMP Steering Committee	Date: February 10, 2010

² This sector is open to allow participation of any First Nations person wishing to contribute



Mackenzie SFMP



PAG Meetings Quorum Table

A quorum for any meeting of the PAG shall be greater than 50% of the average number of PAG members attending the past five (5) meetings. (Suggested Mackenzie PAG TOR wording February 10, 2010)

Date	PAG members present	Quorum required
January 31, 2006	13	
February 14, 2006	13	
February 28, 2006	13	
March 14, 2006	12	
March 28, 2006	14	
April 11, 2006	10	
April 25, 2006	12	
May 9, 2006	10	
October 17, 2006	9	
February 20, 2007	8	6
March 28, 2007	9	5
March 13, 2008	3	5
April 29, 2008	4	4
May 27, 2008	3	4
October 28, 2008	5	3
January 21, 2009	5	3
May 26, 2009	8	3
June 24, 2009	6	3
October 14, 2009	3	3
December 15, 2009	5	3
February 10, 2010		3



Mackenzie SFMP



Schedule of Completed PAG Meetings

Meeting Dates	Agenda Items	
May 26, 2009	PAG Meeting #17	Review Annual Report SFM Plan Revisions Indicator Refinement
June 24, 2009	PAG Meeting #18	Review Revised Annual Report SFM Plan Revisions Indicator Refinement
October 14, 2009	PAG Meeting #19	Old Growth Management Area Presentation SFM Plan Revisions Indicator Refinement
December 15, 2009	PAG Meeting #20	SFM Plan Revisions Indicator Refinement
February 10, 2010	PAG Meeting #21	Review Terms of Reference Research Updates Indicator Refinement



Mackenzie SFMP



PAG Meeting

May 26, 2009

10:00 AM – 4:00 PM

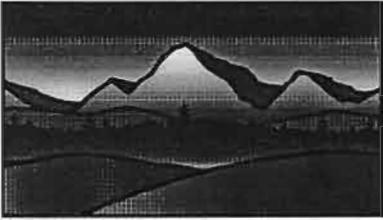
Conference room (2nd flr)

Mackenzie Recreational Centre

Agenda

1. Welcome & Introductions
2. Review Agenda
3. Evaluation Results (January 21, 2009)
4. Approve Minutes (January 21, 2009)
5. Mackenzie SFM Plan Direction
6. Review 2008-2009 Annual Report
 - - - 12:00 Lunch - - - -
7. Updating the Mackenzie SFM Plan
 - - - - 2:30 Break - - - -
8. Updating the Mackenzie SFM Plan (cont.)
9. Other
 - a.
10. Update on Actions
11. Expense Forms
12. Meeting Evaluation
13. Next Meeting

Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by **noon** on Friday, May 22, 2009, if you plan on attending this meeting.



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

PAG Meeting

May 26, 2009

Mackenzie, BC

NAME (Please Print)	SIGNATURE	PAG Rep / Alt Observer SC / Advisor
Dwight Wolfe	<i>Dwight Wolfe</i>	Facilitator
Dan Szekely	<i>Dan Szekely</i>	Canfor SC
Deanna Koch	<i>Deanna Koch</i>	BCTS
LIVE GIGNERE	<i>LIVE GIGNERE</i>	WII
Michelle Snively	<i>Michelle Snively</i>	WII
Liavel Chelt	<i>Liavel Chelt</i>	Canfor
J. Kolibrand	<i>J. Kolibrand</i>	Trapping
Aaron Snively	<i>Aaron Snively</i>	PAG
Deanna	<i>T. Demuleman</i>	WOMEN
Monica Rice	<i>Monica Rice</i>	SPN
TODD WALTER	<i>TODD WALTER</i>	MWE
Stephane Killam	<i>Stephane Killam</i>	DISTRICT
Vig Lambie	<i>Vig Lambie</i>	PAG rep.
Shawn Kuzia	<i>Shawn Kuzia</i>	Abitibi - Obs.
TAM BRIGGS	<i>TAM BRIGGS</i>	P.A.S.
Ron Crosby	<i>Ron Crosby</i>	PAG



Mackenzie SFMP



PAG Meeting

May 26, 2009 10:00 am – 4:00 pm
Recreation Centre, Mackenzie

Meeting Summary

Attendance:

<i>Public Advisory Group:</i> Tom Briggs Ron Crosby Teena Demeulemeester Stephanie Killam	Josef Kollbrand Vi Lambie Monica Rice Aaron Snively	<i>Steering Committee & Advisors:</i> Darwyn Koch - BCTS Dan Szekely - Canfor
<i>Facilitator & Scribe:</i> Dwight Scott Wolfe (Tesera Systems Inc.)		<i>Observers:</i> Lionel Chabot - Canfor Line Giguere - Wildlife Infometrics Inc. Shaun Kuzio – Abitibi-Bowater Micheline Snively - Wildlife Infometrics Inc. Todd Walter – Mackenzie Green Energy

1. Welcome & Introductions

1. Members signed in.
2. Welcome by the Chair of the Steering Committee [Darwyn Koch].
 - a. Shaun Kuzio from Abitibi-Bowater was introduced as an observer.
 - b. Line Giguere and Micheline Snively from Wildlife Infometrics Inc. were introduced as observers.
 - c. Lionel Chabot from Canfor was introduced as an observer.
 - d. Todd Walter from Mackenzie Green Energy was introduced as an observer.
3. Confirmed agenda
 - a. No changes to agenda
4. Evaluation results for January 21, 2009 meeting were not available.
 - a. Evaluation results for January 21, 2009 meeting will be reviewed at the June meeting.
5. Minutes of the January 21, 2009 meeting accepted as written.

2. Canfor Mackenzie Mill Start-up Plan

Lionel Chabot provided a brief overview of the Canfor Mackenzie Mill Start-up Plan.

Mackenzie SFMP PAG Meeting Summary – May 26, 2009

1. Aiming for a September start-up.
2. Containers for chips are required as previous chip supply went to the local pulp mills.
3. Logging Operations – unsure as to startup. The log inventory is good for three (3) months. It would be good to mix current inventory with newly-logged beetle-kill volume.
4. May be looking at a larger piece size to allow for a better squared-off product.
5. More focus on bigger size lumber. Need to meet the market demand for the 2x4 and 2x6 “Do It Yourself” product in 8, 10 and 12 foot lengths.

3. Review of Draft Annual Report

Darwyn Koch provided a review of the draft 2008-2009 Annual Report.

1. The Draft Annual Report was distributed and is also available on the BCTS Website:

http://www.for.gov.bc.ca/ftp/TPG/external!/publish/SFMS/Mackenzie_SFMP/Annual%20Report/

2. Executive Summary (pg 2):

- a. 93 measures were met; 1 measure pending; 13 measures not met.

3. Measures not met included:

- a. Measure 1-2.10 Road re-vegetation (pg 10)

- i. This measure has not been met due to a decision to not use or enforce the grass seeding clause on Timber Sale Licensees (TSL) for their respective TSL Roads.
- ii. BCTS Mackenzie is in the process of seeding their backlog of roads. Pending a consistent level of resources, buy-in to consider having Licensees carry out grass seeding, as well as completing road construction repair work during the summer, Mackenzie could be caught up within 2 years and able to meet this measure.
- iii. PAG concern that the daisy population is increasing along roads in the north part of the District and this should be considered invasive.
- iv. Current seeding programs meet the minimum requirements under the Seed act and the grass seed mix is legislated to allow for more seeding success in certain microsites.
- v. PAG concern about the current seeding delay and the hard soils that develop post logging and wonder if there is an opportunity to seed immediately after the right-of-way is constructed.

- b. Measure 1-3.3 Species at risk management (pg 11)

Mackenzie SFMP PAG Meeting Summary – May 26, 2009

- i. . Due to the date constraint in the measure description, the Canfor result will not change from previous reports. Canfor moving forward will be consolidating and coordinating the entire Wildlife Management program into one indicator / measure consisting of training, identification, management strategies and implementation.
- c. Measure 1-3.4 LRMP wildlife management (pg 12)
 - i. Due to the date constraint in the measure description, the Canfor result will not change from previous reports. Canfor moving forward will be consolidating and coordinating the entire Wildlife Management program into one indicator / measure consisting of training, identification, management strategies and implementation.
 - ii. BCTS: Of the 14 species identified in the LRMP, 11 have existing management strategies in place.
- d. Measure 2-1.5 Site Index (pg 20)
 - i. The variance between average pre-harvest and post harvest site index is met for all but one Inventory Type Group
 - ii. A more meaningful indicator is required as currently older blocks use the inventory Site Index not the pre-harvest Site Index. Better empirical data is needed from free growing surveys (growth intercept method)
- e. Measure 3-1.6 Soil conservation effectiveness (pg 26)
 - i. BCTS: Soil disturbance survey on TSL A77173 Block 6790. 2009 soil disturbance surveys showed that PAS on this block was over the prescribed percentage of 3.7% in the Site Plan by 1.1%, bringing the block into non-conformance with the Site Plan, but not in non-compliance with the Forest Planning and Practices Regulation default level of 7%. There is a discrepancy in the wording for this measure.
 - ii. Canfor and BCTS to take a look at the wording and propose more specific wording for this measure.
- f. Measure 4-5.2 Primary milling facilities (pg 32)
 - i. The closure of the Canfor sawmill during this reporting period caused this indicator to not be met.
 - ii. The LSC proposes to revise this indicator to reflect the change in the Canfor mill situation. The target should be 1.
 - iii. This measure tries to ensure that wood logged in the TSA is processed in the TSA.
 - iv. There is the potential for the Canfor mill to utilize all of the Canfor apportionment subject to markets and current / future mill configurations.
- g. Measure 4-6.1 Risk factor management (pg 33)

Mackenzie SFMP PAG Meeting Summary – May 26, 2009

- i. Only 13 of the 26 identified risk factors have management strategies.
- ii. In the Ministry of Forests annual Forest Health Strategy and Tactical Plan, only the ranked risk factors (13) are identified as a priority for management. The remainder are classed as not ranked, or considered a lower priority at this time
- iii. Low hazard (endemic) factors do not have strategies.
- iv. LSC proposes to revise the indicator statement in order to focus the management strategy efforts on the highest priority forest health factors within the DFA.
- v. Mackenzie TSA is well positioned to capture most of the pine non-recoverable losses coming from the beetle epidemic.
- vi. Shelf-life is variable depending on the site, product objective, etc.
- vii. No beetle detection money is available for the District this fiscal.
- viii. The new right-of-way widening program is managed by the Ministry of Forests & Range. Canfor may purchase some of this wood if it meets the profile.

Action Item #1: Licensee Steering Committee to provide PAG members with a copy of the current Mackenzie District Forest Health Strategy and Tactical Plan.

h. Measure 7-1.7 Representation (PAG) (pg 40)

- i. PAG representation in all sectors was not realized during the reporting period.
- ii. Of the 23 sectors, an attempt to assign a representative for 1 sector was not realized. This is in part due to the lack of public interest in the SFMP process, coupled with the downturn in the local forest economy.
- iii. LSC proposes to revise the variance for this indicator and suggest changes to the Terms of Reference.

i. Measure 7-2.5 SFMP training (affected parties) (pg 43)

- i. The plan proponents provided only one (1) SFMP training opportunity within the DFA during the reporting period (the annual Mackenzie Trade Show).

j. Measure 8-3.1 Concerns (First Nations) (pg 47)

- i. BCTS: a response was sent to a concerned First Nation after the 30 day response window.
- ii. BCTS staff will utilize internal tracking and reminder tools to record, assign responsibility, and set actions in place to ensure that responses are made within the 30 day window.

k. Measure 9-5.1 Signage (pg 51)

- i. BCTS: Signs were removed following completion on 33 of 36 industrial activities.

Mackenzie SFMP PAG Meeting Summary – May 26, 2009

4. Measures pending included:

a. Measure 4-1.1 Harvest volumes (pg 26)

- i. Canfor and BCTS are only 1 and 2 years respectively into their Cut Control Periods.

5. Some highlights from measures met included:

a. Measure 1-2.2 Coarse Woody Debris Levels (pg 7)

- i. Canfor: All cutblocks harvested exceeding CWD requirements.
ii. BCTS: All cutblocks harvested exceeding CWD requirements.

b. Measure 4-2.2 First-Order Wood Products (pg 27)

- i. The number of first-order wood products produced in the Mackenzie DFA is 6.

c. Measure 4-2.3 Local Investment (pg 28)

- i. Exclusive of stumpage, 87.7% of the money spent on forest operations and management on the DFA is provided by northern central interior suppliers.

6. PAG Representatives had a general discussion on the Annual Report.

Action Item #2: PAG members to provide comments on the draft Annual Report to the Facilitator by June 15th.

4. Mackenzie SFM Plan Direction

1. Consolidation with the Abitibi Bowater plan will not be happening.

2. The new CSA Standard is official and can be downloaded at the following website (scroll down to the bottom of the page):

<http://www.shopcsa.ca/onlinestore/GetCatalogItemDetails.asp?mat=2419617>

3. The LSC is looking to revise the SFM plan and reduce the number of measures. It is very important to make this SFM Plan more manageable. The aim is to reduce the current suite of 100 measures down to 50-60 indicators and incorporate the new CSA Standard by the end of the fiscal year (March 2010). The original intent of the SFM Plan will be maintained.

4. Management on the ground will not be compromised and the LSC will still do the right thing on the DFA.

5. The LSC needs to reduce the management requirement for SFM reporting. The indicators need to be more meaningful.

6. The current SFM Plan is big because it was originally designed around the Slocan SFM template.

7. The LSC will look at other SFM Plans and provide indicator recommendations as required.

Mackenzie SFMP PAG Meeting Summary – May 26, 2009

8. The LSC is aiming for a more operational focus to the indicator reporting (tied to blocks and roads and impacts on the ground).

Action Item #3: LSC to provide PAG members with a cross reference of new “Core” CSA indicators with the existing measures.

5. Updating the Mackenzie SFM Plan

1. General changes to the Plan

a. Plan Layout - Remove all the duplicate measure statements that currently exist within the plan. Change the layout to having CSA elements listed under each indicator statement in the Plan.

b. Plan Function - Change the overall look and appearance of the plan to follow the CSA standard (Values / Objectives / Indicators / Targets) rather than use the old Slokan format (Measures).

2. Specific Changes to Measures

a. Measure 1-1.1 – Old forest

i. Existing Measure Statement: Percent area of old and mature+old seral stage by landscape unit group and BEC variant for CFLB within the DFA. Target: As per the Mackenzie TSA biodiversity order. Variance: 0%

ii. Recommended Indicator Statement: Percentage of blocks and roads harvested that meet the prescribed old growth targets. Target: 100%, Variance: 0%.

iii. Discussion

- LSC Comments: This measure needs to be changed to reflect blocks and roads harvested relative to the old growth requirement for the applicable landscape unit group. The write up for the indicator will have to be changed to reflect the new legal Mackenzie TSA biodiversity order. The old growth will be reported by landscape unit group and then by BEC group. The intent is to only report out for landscape unit groups that have harvesting or road building activities completed during the particular reporting period.
- Currently old forest targets are aspatial as there are no spatial Old Growth Management Areas established in the TSA.
- There is currently a surplus of Old forest in each Landscape Unit.
- The PAG needs assurances that over-harvesting will not occur due to logging by licensees that are not signatory to the SFM Plan.

Mackenzie SFMP PAG Meeting Summary – May 26, 2009

- Baseline data will be shown in the back of the SFM plan and updated periodically. Record sharing currently exists between plan proponents. Licensees will formalize this information sharing. BCTS currently has a data sharing agreement with McLeod Lake.
 - The Community Forest is not part of the DFA and do not contribute to Landscape Unit totals. The Community Forest Agreement is close to being signed. The McLeod Lake Non-replaceable Forest License (NRFL) overlays the southern part of the District. The LSC is hoping that McLeod Lake will become signatory to the Mackenzie SFM Plan once their NRFL is approved. Other NRFLs are coming. It is reasonable to expect that more licensees will be harvesting in the TSA. This time, the Ministry of Forests and Range wants to implement a more controlled process around the awarding of NRFLs.
 - Other jurisdictions have a District –level Landscape Objectives Working Group (LOWG). A similar group existed in the Mackenzie District prior to the economic downturn and the LSC admits that this group needs to be reconvened.
 - PAG concern about what happens in Landscape Units (LUs) where targets are not met. If the Biodiversity Order is not met then licensees cannot legally harvest in these affected LUs.
 - The PAG is concerned that dead pine is still considered Old Growth. A certain percentage of dead pine is considered Old Growth as it has Old Growth characteristics.
 - The PAG is concerned that some harvesting may “slip through the cracks” (i.e. Small Scale Salvage). In the Mackenzie District there isn’t a big program (approx 30,000 m3 per year) with the current focus being right-of-way logging. The information on these blocks is captured by the Forest Service. There is also a mechanism for the MoFR to control salvage logging within on-block Wildlife Tree Patches
 - The PAG suggested that the LSC provide a consolidated map showing annual harvesting across the TSA.
 - The PAG suggested that a MoFR representative attend the PAG meetings.
- iv. PAG consensus on recommended Indicator Statement: Percentage of blocks and roads harvested that meet the prescribed old growth targets. Target: 100%, Variance: 0%.
- b. Measure 1-1.2 – Old interior forest

Mackenzie SFMP PAG Meeting Summary – May 26, 2009

- i. Existing Measure Statement: Percent area of old interior by landscape unit group and BEC variant for CFLB within the DFA. Target: As per the Mackenzie TSA biodiversity order. Variance: 0%
 - ii. Recommended Indicator Statement: Percentage of blocks and roads harvested that meet the prescribed interior old targets. Target: 100%, Variance: 0%.
 - iii. Discussion
 - LSC Comments: This measure needs to be changed to reflect blocks and roads harvested relative to the old growth requirement for the applicable landscape unit group. The write up for the indicator will have to be changed to reflect the new legal Mackenzie TSA biodiversity order. The interior old will be reported by landscape unit group and then by BEC group. The intent is to only report out for landscape unit groups that have harvesting or road building activities completed during the particular reporting period.
 - iv. PAG consensus on recommended Indicator Statement: Percentage of blocks and roads harvested that meet the prescribed interior old targets. Target: 100%, Variance: 0%.
- c. Measure 1-1.5 – Productive Forest Representation
- i. Existing Measure Statement: Percent productive forest by BEC variant represented within the non-harvestable land base. Target: TBA. Variance: 0%
 - ii. Recommended Indicator Statement: Percentage of blocks and roads harvested that meet the prescribed interior old targets. Target: 100%, Variance: ?
 - iii. Discussion
 - LSC Comments: Targets need to be set for this indicator. Preliminary targets are included in the 2008-09 Annual Report. These targets will be further reviewed and discussed with the PAG during a meeting in the 2009-10 fiscal year.

Action Item #4: LSC to review this indicator with the PAG and reset targets by March 31, 2010.
- d. Measure 1-2.1 – Patch Size
- i. Existing Measure Statement: Percent area by patch size class by landscape unit group and NDT. Target: Trend towards targets in the LRMP. Variance: N/A
 - ii. Recommended Indicator Statement: Percentage of blocks and roads harvested that meet the prescribed patch size target ranges or are trending towards the target range. Target: 100%, Variance: -30%.
 - iii. Discussion

Mackenzie SFMP PAG Meeting Summary – May 26, 2009

- LSC Comments: This measure needs to be changed to reflect blocks and roads harvested relative to the patch size requirement for the applicable landscape unit group and NDT. Targets will be based on target ranges from the biodiversity guidebook. Patch will be reported by landscape unit group and NDT. The intent is to only report out for landscape unit groups that have harvesting or road building activities completed during the particular reporting period.
 - The variance is needed to address forest health issues.
- iv. PAG consensus on recommended Indicator Statement: Percentage of blocks and roads harvested that meet the prescribed patch size target ranges or are trending towards the target range. Target: 100%, Variance: -30%.
- e. Measure 1-2.9 – Peak Flow Index
- i. Existing Measure Statement: Percent of watersheds containing approved or proposed development with Peak flow Index calculations completed. Target: 100%. Variance: ?
- ii. Recommended Indicator Statement: Percentage of blocks and roads harvested that are below threshold targets by watershed, or adhere to the recommendations contained in a detailed watershed assessment. Target: 100%, Variance: 0%
- iii. Discussion
- LSC Comments: Now that all the applicable watersheds have PFI values generated, the threshold targets need to be set for each watershed. The detailed watershed assessment is completed when planned harvest exceeds the prescribed threshold targets for a watershed. These assessments must be completed by a qualified person such as a hydrologist.
 - The PAG will have opportunities to identify problems on the landbase.
 - The PAG agrees in principle with the recommended changes to the indicator but want to see the recommended watershed targets before endorsing the changes.
- Action Item #5:** LSC to present targets and new indicator recommendations to PAG by March 31, 2010.

Mackenzie SFMP PAG Meeting Summary – May 26, 2009

f.

Measure 1-2.6 – Caribou Ungulate Range Effectiveness	<u>Existing Measure Statement:</u> <i>Percent of forest operations consistent with approved provincial Caribou Ungulate Winter Range requirements.</i>	Target: 100%	Variance: 0%
Measure 1-3.1 – Caribou Ungulate Range Effectiveness	<u>Existing Measure Statement:</u> <i>Percent of forest operations consistent with approved provincial Caribou Ungulate Winter Range requirements.</i>	Target: 100%	Variance: 0%
Measure 1-3.2– Species At risk Identification	<u>Existing Measure Statement:</u> <i>Percentage of appropriate personnel trained to identify species at risk in the DFA</i>	Target: 100%	Variance: <10%
Measure 1-3.3 – Species at risk management	<u>Existing Measure Statement:</u> <i>Percent of species at risk in the DFA that have management strategies developed by April 2007.</i>	Target: 100%	Variance: 0%
Measure 1-3.4 – LRMP Wildlife Management	<u>Existing Measure Statement:</u> <i>Percent LRMP Resource Management Zone (RMZ) specific wildlife strategies with management strategies by April 2007.</i>	Target: 100%	Variance: 0%
Measure 1-3.5 – Species at Risk management strategies	<u>Existing Measure Statement:</u> <i>Percentage of forest operations consistent with species at risk in the DFA management strategies as identified in operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: <5%
Measure 1-3.6 – LRMP wildlife management effectiveness	<u>Existing Measure Statement:</u> <i>Percentage of forest operations consistent with LRMP resource management zone (RMZ) specific management strategies as identified in operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: <5%

i. Recommendation - combine the 7 measures into the following indicator statement:

*Percentage of blocks and roads harvested that adhere to management strategies for Species At Risk, Ungulate Winter Range, and other local species of importance.
Target: 100%, Variance: -10%.*

ii. Discussion

- LSC Comments: Of the 14 species identified in the LRMP, 11 have existing management strategies in place. Arctic Grayling and Bull Trout are within our Species-At-Risk management strategies. Elk, Stone Sheep, and Mountain Goat are covered off within Ungulate Winter Range management strategies. Eagles, Northern Goshawks, Osprey, and Peregrine Falcon nests are all protected under the Wildlife Act and there are appropriate management strategies in place for them. Management for Rainbow and Lake Trout are covered off by strategies contained with Forest Stewardship Plans for both Canfor and BCTS. This leaves Marten, Moose, and Trumpeter Swan without management strategies.

Canfor moving forward will be consolidating and coordinating the entire Wildlife Management program into one indicator / measure consisting of training, identification, management strategies and implementation. A measure focussing on the result rather than the process will be more meaningful. Canfor Operations across the Western Canada are moving down the path of a Biodiversity Centric - Species Accounting system. This Species Accounting System will take a plenitude of existing

Mackenzie SFMP PAG Meeting Summary – May 26, 2009

wildlife data and provide for grouping species according to habitat and management requirements. Application of the species accounting system, particularly when applied with coarse filter analysis would indicate what species merit special attention. It is much more important to gain an understanding of the forest dependant species that will be most impacted by forest activities vs. developing site specific strategies for each and every species across the landbase. This approach will lend itself well to the priorities we place on wildlife project funding, research and development. This project and direction is deemed to be an improvement to the current wildlife management regime as well as ensuring resource managers are focusing on the most impacted species first.

The write up for the indicator will reference a table listing all the species that fall under SAR, UWR, or other species local to the DFA that are deemed valuable. A commitment for training of staff will also be built into the indicator write up in the plan.

- There will be a presentation to the PAG later in the year on Species Management.
- In order to determine “Local Species of Importance”:
 - ◆ Use LRMP as a starting point
 - ◆ Review other species as required based on criteria developed jointly by the LSC and the PAG members.
- The PAG requests that the recommended variance of -10% be changed to -5%.

iii. PAG consensus on amended recommendation: combine the 7 measures into the following indicator statement: *Percentage of blocks and roads harvested that adhere to management strategies for Species At Risk, Ungulate Winter Range, and other local species of importance. Target: 100%, Variance: -5%.*

6. Other

1. No additional agenda topics.

7. Actions updated

1. See Action Table (below)
2. Action ID - April 29-03: Ongoing.
3. Action ID - April 29-04: Ongoing.
4. Action ID - May 27-03: Ongoing.
5. Action ID - Jan 21-01: Audit report redistributed to PAG representatives. Action completed.

Mackenzie SFMP PAG Meeting Summary – May 26, 2009

6. Action ID - Jan 21-02: Copies of Caribou Management Strategies provided to PAG representatives. Action completed.

7. Action ID - Jan 21-03: Copies of the Abitibi-Bowater SFM Plan were not distributed as the SFM Plan merger with Abitibi-Bowater is not moving forward. Action deleted.

8. Action ID - Jan 21-04: The list of FIA Projects for this fiscal is still being firmed up. This action will be deferred until next meeting.

9. Action ID - Jan 21-05: PAG binders distributed to new Representatives/ Alternates. Action completed.

8. PAG Meeting Feedback (PAG questionnaire): Mackenzie SFMP PAG questionnaire distributed, completed, and collected.

9. Next meeting:

June 24, 2009

10:00 AM – 4:00 PM

Mackenzie Recreation Centre – Conference Room (2nd Floor)

Agenda: Updating the Mackenzie SFM Plan

10. Actions

ID#	ACTION	WHO	DEADLINE	STATUS
April 29-03	Work with PAG representatives and others in the community to find new/replacement PAG representatives.	Licensee Steering Committee	Next Meeting	Ongoing
April 29-04	Investigate the possibility of Green Energy participating in the Mackenzie SFM process.	Licensee Steering Committee	Next Meeting	Ongoing
May 27-03	Add a non-timber benefits issue to the Continuous Improvement Matrix.	Licensee Steering Committee	Next Meeting	Ongoing
Jan 21-01	Redistribute Audit report to PAG representatives	Canfor	Before Next Meeting	Completed
Jan 21-02	Provide copies of Caribou Management Strategies to PAG representatives	Licensee Steering Committee	Before Next Meeting	Completed
Jan 21-03	Provide PAG members with a copy of the Abitibi-Bowater SFM Plan.	Licensee Steering Committee	Before Next Meeting	Deleted
Jan 21-04	Provide PAG members with a list of FIA projects currently in the Land Base Investment Rationale (LBIR).	Licensee Steering Committee	Next Meeting	Deferred
Jan 21-05	Facilitator to prepare PAG binders and set up orientation session for the new Representatives/ Alternates.	Facilitator	Before Next Meeting	Completed

Mackenzie SFMP PAG Meeting Summary – May 26, 2009

ID#	ACTION	WHO	DEADLINE	STATUS
May 26-01	Provide PAG members with a copy of the current Mackenzie District Forest Health Strategy and Tactical Plan.	Licensee Steering Committee	Before Next Meeting	
May 26-02	Provide comments on the draft Annual Report to the Facilitator.	PAG members	June 15th	
May 26-03	Provide PAG members with a cross reference of new “Core” CSA indicators with the existing measures.	Licensee Steering Committee	Before Next Meeting	
May 26-04	Review Productive Forest Representation indicator with the PAG and reset targets.	Licensee Steering Committee	March 31, 2010.	
May 26-05	Present Peak Flow Index targets and new indicator recommendations to PAG	Licensee Steering Committee	March 31, 2010.	



Mackenzie SFMP



PAG Meeting

June 24, 2009

10:00 AM – 4:00 PM

Conference room (2nd flr)

Mackenzie Recreational Centre

Agenda

1. Welcome & Introductions
2. Review Agenda
3. Evaluation Results (January 21, 2009 & May 26, 2009)
4. Approve Minutes (May 26, 2009)
5. Review Revised 2008-2009 Annual Report
6. Presentation on the revised CSA Z809-08 Standard
7. Results of Mackenzie SFM plan Gap analysis with new CSA Standard
8. Updating the Mackenzie SFM Plan
 - - - 12:00 Lunch - - - -
9. Updating the Mackenzie SFM Plan
 - - - - 2:30 Break - - - -
10. Updating the Mackenzie SFM Plan (cont.)
11. Other
 - a.
12. Update on Actions
13. Expense Forms
14. Meeting Evaluation
15. Next Meeting

Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by **noon** on Friday, June 19, 2009, if you plan on attending this meeting.



Mackenzie SFMP



PAG Meeting

June 24, 2009 10:00 am – 4:00 pm
Recreation Centre, Mackenzie

Meeting Summary

Attendance:

<i>Public Advisory Group:</i> Tom Briggs Ron Crosby Stephanie Killam		<i>Steering Committee & Advisors:</i> Darwyn Koch - BCTS Dan Szekely - Canfor
<i>Facilitator & Scribe:</i> Dwight Scott Wolfe (Tesera Systems Inc.)		<i>Observers:</i>
Vi Lambie	Lawrence Napier	
Aaron Snively		

1. Welcome & Introductions

1. Members signed in.
2. Welcome by the Chair of the Steering Committee [Darwyn Koch].
3. Confirmed agenda
 - a. Dan Szekely will provide an update on the Canfor Mackenzie Mill Start-up Plan
 - b. Agenda accepted as revised.
4. Evaluation results for January 21, 2009 and May 26, 2009 were reviewed.
 - a. Evaluation results for January 21, 2009 and May 26, 2009 meeting were reviewed.
 - b. Question 2 (Meetings: Most members involved?) from January 21, 2009 was below target 3.9/4.0.
 - c. All results from the May 26, 2009 meeting met or exceeded the target.
5. Minutes of the May 26, 2009 meeting accepted as written.
 - a. PAG member expressed ongoing concern over timber volume leaving the Timber Supply Area and hopes adequate controls will be put in place by the Forest Service.
 - b. Awarding of new Non-replaceable Forest Licenses (NRFL) are the responsibility of the Forest Service and out of scope for the PAG. The PAG can write letters to the District Manager regarding awarding of NRFLs.

2. Canfor Mackenzie Mill Start-up Plan (Update)

Dan Szekely provided a brief update on the Canfor Mackenzie Mill Start-up Plan.

Mackenzie SFMP PAG Meeting Summary – June 24, 2009

1. New start-up date is July 20 with one shift operating. Calling back approximately 60 hourly workers.
2. Woodlands staff will remain at 3 and the sawmill office staff will be ramped up to 10 (adding 4 people)
3. Purchase wood contact will be based in Prince George.
4. Don't foresee any challenges in bringing back tradespeople.
5. Trying to get staff back in place and training scheduled to begin after July 1.
6. Logging to recommence July 15.
7. A second shift will be added once the first shift is running smoothly.

3. Review of Revised Draft Annual Report

Darwyn Koch provided an update on revisions to the draft 2008-2009 Annual Report.

1. The Draft Annual Report was distributed and is also available on the BCTS Website:
http://www.for.gov.bc.ca/ftp/TPG/external!/publish/SFMS/Mackenzie_SFMP/Annual%20Report/

2. No new comments were received on the draft Annual Report so the current version will be considered final.

4. Presentation on the revised CSA Z809-08 Standard

1. The Facilitator delivered a PowerPoint presentation describing the CSA Z809-08 Standard.
2. The presentation will be distributed with the meeting minutes.

5. Results of Mackenzie SFM plan Gap analysis with new CSA Standard

1. Darwyn Koch gave an overview of a Gap Analysis completed for the Mackenzie SFM Plan by BCTS' external auditor KPMG.

2. The current SFM Plan is consistent with the new Core Indicators. Where gaps are noted, there are also suggested revisions.

3. A copy of the Gap Analysis will be circulated with the meeting minutes.

4. PAG requested a definition for "focal species" (referenced in Core Indicator: Degree of habitat protection for selected focal species including species at risk).

- a. The CSA Z809-08 Standard defines focal species as "*species that warrant special conservation attention and are thus used to guide the management of ecosystems to conserve biodiversity. Note: Criteria for the selection of focal species can include ecological, socio-cultural, scientific, and economic considerations*".

Mackenzie SFMP PAG Meeting Summary – June 24, 2009

5. Information in this GAP Analysis will be reviewed by the PAG in subsequent meetings when the Core Indicators are discussed in detail.

6. Updating the Mackenzie SFM Plan

1. Darwin Koch explained that the discussion document “*Mackenzie SFMP Summary of Proposed Changes to Measures*” has been updated to show (highlight) the changes to indicators endorsed by the PAG at the May 26th meeting. This document will be revised to include changes endorsed at each subsequent meeting.

2. Specific Changes to Measures

a.

Measure 1-4.3 – Sites of Biological Significance ID	<u>Existing Measure Statement:</u> <i>Percentage of appropriate personnel trained to identify sites of biological significance in the DFA.</i>	Target: 100%	Variance: -10%
Measure 1-4.4 – Sites of Biological Significance management	<u>Existing Measure Statement:</u> <i>Percent of sites of biological significance that have management strategies developed by April 2007</i>	Target: 100%	Variance: 0%
Measure 1-4.5 – Sites of Biological Significance effectiveness	<u>Existing Measure Statement:</u> <i>Percentage of forest operations consistent with sites of biological significance management strategies as identified in operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: <5%

i. Recommendation - combine the 3 measures into the following indicator statement:

Percentage of blocks and roads harvested that adhere to management strategies for sites of biological significance. Target: 100%, Variance: -10%.

ii. Discussion

- LSC Comments: Sites of biological significance include the following: nests, snags, large overstory trees, coarse woody debris, witches broom, mineral licks, rock outcrops, denning sites, and avalanche shoots. The write up for the indicator will reference a table listing all the sites of biological significance applicable to the DFA. A commitment for training of staff will also be built into the indicator write up in the plan. There will be a presentation to the PAG later in the year on Species Management.
- PAG concern about the training component and requesting assurances that it will continue as part of the implementation of the management strategies. LSC stated that checks and balances are in place for training and it is identified in the audit process. Post-harvest monitoring of these sites will continue.
- Sites of biological significance are not limited to those listed above in the LSC comments.
- Variances will be calculated based on the percentage (%) of blocks harvested in a given year.

Mackenzie SFMP PAG Meeting Summary – June 24, 2009

- PAG concern that if one type of site is missed on one block, it will be missed on all blocks.
 - PAG request that “stick nests” be added to the list of sites of biological significance. LSC will add “stick nests” and provide more clarification on site in the SFM Plan.
 - LSC will add more clarification in the write up of the indicator to detail the specific characteristics of each of the sites of biological significance.
- iii. PAG consensus on amended recommendation: combine the 3 measures into the following indicator statement: Percentage of blocks and roads harvested that adhere to management strategies for sites of biological significance. Target: 100%, Variance: -10%.
- b. Measure 1-1.3 – Biodiversity Reserves
- i. Existing Measure Statement: The amount of landscape level biodiversity reserves within the DFA. Target: > area set aside across the DFA. Variance: -0.5%
- ii. LSC Recommendation: Remove this measure from the matrix.
- iii. Discussion
- LSC Comments: The biodiversity reserves applicable to this measure consist of approved protected areas and other ecological reserves. Whether or not these large reserves increase or decrease over time is not within the licensee's control. Measure 1-1.4 below speaks to what is within our control – our activities within these protected areas and OGMAs. Furthermore, a summary of the area associated with the parks and protected areas are listed in Table 4 on page 35 of the SFMP.
 - PAG question regarding Old Growth Management Areas (OGMA) and whether they can be harvested. Potentially, however government would need to have a strong rationale.
 - PAG questions: Is there a mechanism for the licensee to elevate a Site of Biological Significance to that of a Reserve? Is there a mechanism for identifying and turning stand level attributes (i.e. Wildlife Tree Patches) into biodiversity reserves if the WTP was established to protect sites of biological significance? The current approval process requires the block permit holder to be consulted about potential conflicts.
 - PAG question: What opportunities are there to inform other licensees / organizations about potential reserves? The mechanisms are in place with the referral process.
- iv. PAG consensus on recommendation to remove this measure from the matrix.

Mackenzie SFMP PAG Meeting Summary – June 24, 2009

c. Measure 1-1.4 – Biodiversity Reserves Effectiveness

- i. Existing Measure Statement: Hectares of unauthorized forestry related harvesting or road construction within protected areas or established old growth management areas. Target: 0 ha, Variance: 0%
- ii. LSC Recommendation: Percentage of blocks and roads harvested that are not within legally established protected areas, ecological reserves, or OGMA's. Target: 100%, Variance: 0%.
- iii. Discussion
 - LSC Comments: This measure needs to be changed to reflect blocks and roads harvested relative to legally established old growth management areas, protected areas, and ecological reserves.
 - PAG question: Are OGMA's defined in the Mackenzie District? Yes, however most are outside the DFA. For Landscape Units that do not contain OGMA's the District's Old Growth Order applies.
 - OGMA designation is done by the Integrated Land Management Bureau (ILMB) with most OGMA's being found south of the Peace Arm. Only some have been advertised. The LSC is currently respecting legally identified OGMA's in the DFA.
 - PAG question: What happens in an area where an OGMA now contains mostly dead trees? There is provision for a % of OGMA's to be dead timber and still have Old Growth characteristics.
- iv. PAG consensus on recommended Indicator Statement: Percentage of blocks and roads harvested that meet the prescribed old growth targets. Target: 100%, Variance: 0%.

d. Measure 1-3.7 – Mugaha Marsh

- i. Existing Measure Statement: Report out on the annual results from the Mugaha Marsh bird banding station. Target: report out on, Variance: N/A
- ii. LSC Recommendation: Remove this measure from the plan. The report can be made available to the PAG on an annual basis.
- iii. Discussion
 - LSC Comments: The information contained in the annual report for the Mugaha Marsh is important to track but does not meet the specifically relevant to forest operations.
 - PAG noted that the intent was for the report to be used by the LSC to identify habitat requirements.

Mackenzie SFMP PAG Meeting Summary – June 24, 2009

- LSC will specify in the Species indicator write up that the Mugaha Marsh report will be reviewed annually as a monitoring tool for potential decline of locally important birds.
 - iv. PAG consensus on recommendation to remove this measure from the plan.
- e. Measure 2-2.3 – Access management communication
- i. Existing Measure Statement: Inclusion of access management in communication strategies with stakeholders. Target: 100%, Variance: 0%
 - ii. LSC Recommendation: Percentage of off- block road deactivation projects that are communicated with applicable First Nations and Stakeholders. Target: 100%, Variance: -10%.
 - iii. Discussion
 - LSC Comments: The intent of this measure is to have a vehicle to communicate to stakeholders activities around access management. Strategies do not need to be developed to communicate deactivation.
 - The LSC will add into the write up of the indicator a commitment to advertise in the local newspaper, at least annually, all planned deactivations that pertain to this indicator.
 - iv. PAG consensus on recommended Indicator Statement: Percentage of off- block road deactivation projects that are communicated with applicable First Nations and Stakeholders. Target: 100%, Variance: -10%.
- f. Measure 2-5.1 – Accidental Fires
- i. Existing Measure Statement: The number of hectares damaged by accidental forestry related industrial fires. Target: <100 ha, Variance: +5 ha
 - ii. LSC Recommendation: Remove this measure from the plan.
 - iii. Discussion
 - LSC Comments: The LSC is not sure of the relevance of this measure. Accidental fires happen. There is no advantage for the LSC to start a fire purposefully – it does not meet environmental or economic components of SFM.
 - iv. PAG consensus on recommendation to remove this measure from the plan.

Mackenzie SFMP PAG Meeting Summary – June 24, 2009

g.

Measure 2-5.2 and 4-6.1– Risk Factor Management	<u>Existing Measure Statement:</u> <i>Percentage of identified risk factors with updated management strategies.</i>	Target: 100%	Variance: 0%
Measure 4-6.2 – Forest Stand Damaging Agents	<u>Existing Measure Statement:</u> <i>Areas with stand damaging agents will be prioritized for treatment.</i>	Target: 100%	Variance: -10%

i. LSC Recommendation: Remove combine these measures into the following indicator statement: Percentage of blocks harvested that coincide with areas considered to be a high risk to stand damaging agents. Target: 100%, Variance: -20%.

ii. Discussion

- LSC Comments: In the Ministry of forests annual Forest Health Strategy and Tactical Plan, only the ranked risk factors (13) are identified as a priority for management. The remainder are classed as not ranked, or considered a lower priority at this time. The intention of measure 4-6.2 was to ensure that the licensees and BCTS are targeting stands for harvest that are considered a high risk to stand damaging agents.
- The most current and available Ministry of Forests Annual Forest Health report can be used to specify which stand damaging agents are the most important to target.
- PAG suggestion to change the indicator wording to: Percentage of area (ha.) harvested that are damaged or considered to be a high risk to stand damaging agents. Target: 100%, Variance: -20%.

iii. PAG consensus on revised indicator statement: Percentage of area (ha.) harvested that are damaged or considered to be a high risk to stand damaging agents. Target: 100%, Variance: -20%.

h. Measure 4-1.2– Waste and Residue

i. Existing Measure Statement: Percent compliance with waste and residue standards.. Target: 100 %, Variance: -5%

ii. LSC Recommendation: change this measure into the following indicator statement: Percentage of blocks and roads harvested where estimated waste and residue is below allowable levels. Target: 100%, Variance: -5%.

iii. Discussion

- LSC Comments: the wording of this indicator needs to be cleaned up, and made to reflect the population of sampled blocks and roads.

Mackenzie SFMP PAG Meeting Summary – June 24, 2009

- Allowable levels tend to change from time to time. Currently the allowable levels are benchmarks set for removal of beetle infested wood. When the coarse woody debris legislation is finalized and then passed, the allowable levels will be redefined.

iv. PAG consensus on revised indicator statement: Percentage of blocks and roads harvested where estimated waste and residue is below allowable levels. Target: 100%, Variance: -5%.

i. Measure 4-2.2 and 6-1.4 – First Order Wood Products

i. Existing Measure Statement: The number of first order wood products from trees harvested from the DFA Target: 5, Variance: -2

ii. LSC Recommendation: Keep this indicator and drop measure 4-5.2 from the plan (duplication).

iii. Discussion

- LSC Comments: The information supporting first order wood products might be better suited under section 3.1 of the plan. This type of information does not change much from year to year because the products from Canfor’s mill do not change very often. If they change over time then this section of the plan can be updated as necessary.

iv. PAG consensus on LSC recommendation to keep this indicator and drop measure 4-5.2 from the plan (duplication).

j.

Measure 4-2.3– local investment	<u>Existing Measure Statement:</u> <i>The percent of money spent on forest operations and management on the DFA provided from the north central interior suppliers (not including stumpage)</i>	Target: Report out on	Variance: N/A
Measure 4-2.4– Support for public initiatives	<u>Existing Measure Statement:</u> <i>The number of support opportunities provided to the public (stakeholders, residents, and interested parties).</i>	Target: Report out on	Variance: N/A
Measure 6-1.3– business opportunities	<u>Existing Measure Statement:</u> <i>The number of opportunities given to businesses within or immediately adjacent to the TSA to provide non-tendered services to forest management activities.</i>	Target: Report out on	Variance: N/A
Measure 6-1.5– support opportunities	<u>Existing Measure Statement:</u> <i>The number of support opportunities provided within or immediately adjacent to the TSA</i>	Target: Report out on	Variance: N/A

i. LSC Recommendation: Combine these measures into 1 indicator: The percent of money spent on forest operations and management in the DFA provided from local area suppliers (not including stumpage) Target = ??%, Variance = -??%

ii. Discussion

Mackenzie SFMP PAG Meeting Summary – June 24, 2009

- LSC Comments: These 4 measures can easily be combined into 1 meaningful indicator that is measurable.
- This resulting indicator statement will reflect the total amount of investment in the local area which will include Mackenzie, McLeod Lake, Germanson Landing, Manson Creek, Tsay Keh Dene, and Fort Ware. The LSC will take a look at historic numbers related to the re-defined local area and propose realistic targets and variances to the PAG at the next meeting.

Action Item # 1: LSC will take a look at historic numbers related to the re-defined local area and propose realistic targets and variances to the PAG at the next meeting.

- This indicator will pull from the LSC accounting systems all contract and non-contract spending within the local area, and compare it to the total spending relative to forest operations and management within the DFA. Some payments to local vendors are not invoiced within the definition of local area. Payments to these vendors benefit the community and will be tailed in the total calculation for money spent within the local area.

iii. PAG consensus on revised indicator statement: The percent of money spent on forest operations and management in the DFA provided from local area suppliers (not including stumpage) Target = ???%, Variance = -??%

k. Measure 4-2.1 – Wood purchases

i. Existing Measure Statement: Canfor to provide opportunities to purchase wood from private enterprises. Target: Opportunity exists, Variance: 0%

ii. LSC Recommendation: Remove this measure from the plan.

iii. Discussion

- LSC Comments: The LSC is not sure of the relevance of this measure. There is always an opportunity for Canfor to purchase timber from private enterprise, but it is contingent on price and product.

iv. PAG consensus on recommendation to remove this measure from the plan.

l. Measure 4-2.5 – Support for environmental projects

i. Existing Measure Statement: Report out on the amount of money directed towards environmental projects. Target: Report out on, Variance: N/A

ii. LSC Recommendation: Remove this measure from the plan.

iii. Discussion

- LSC Comments: The LSC has been and will continue to update PAG from time to time with the status of ongoing and planned FIA projects.

Mackenzie SFMP PAG Meeting Summary – June 24, 2009

iv. PAG consensus on recommendation to remove this measure from the plan.

m. Measure 4-3.1 – Taxes

Measure 4-3.1 – Taxes	<u>Existing Measure Statement:</u> <i>Municipal taxes paid to governments.</i>	Target: 100%	Variance: 0%
Measure 4-3.2 – Stumpage	<u>Existing Measure Statement:</u> <i>Stumpage paid to governments.</i>	Target: 100%	Variance: 0%

i. LSC Recommendation: Remove both of these measures from the plan.

ii. Discussion

- LSC Comments: The LSC is not sure of the relevance of these 2 measures since taxes, including stumpage, have to be paid. If they are not, there are other mechanisms that are used to penalize the licensees.

iii. PAG consensus on recommendation to remove both of these measures from the plan.

n. Measure 4-5.2 – Primary Milling Facility

i. Existing Measure Statement: A competitive primary milling facility is sustained.

Target: >2, Variance: 0

ii. LSC Recommendation: Remove this measure from the plan.

iii. Discussion

- LSC Comments: The LSC is not sure of the relevance of this measure.

iv. PAG consensus on recommendation to remove this measure from the plan.

7. Other

1. No additional agenda topics.

8. Actions updated

1. See Action Table (below)

2. Action ID - April 29-03: Ongoing.

3. Action ID - April 29-04: Ongoing.

4. Action ID - May 27-03: Ongoing.

5. Action ID - Jan 21-04: The list of FIA Projects for this fiscal is still being firmed up. This action will be deferred until next meeting.

6. Action ID – May 26-01: PAG members provided with a copy of the current Mackenzie District Forest Health Strategy and Tactical Plan. Action completed.

Mackenzie SFMP PAG Meeting Summary – June 24, 2009

7. Action ID – May 26-02: No additional comments on the draft Annual Report. Action completed.

8. Action ID – May 26-03: PAG members provided with a cross reference of new “Core” CSA indicators with the existing measures. Action completed.

9. Action ID – May 26-04: LSC to review Productive Forest Representation indicator with the PAG and reset targets by March 31, 2010.

10. Action ID – May 26-05: LSC to present Peak Flow Index targets and new indicator recommendations to PAG by March 31, 2010.

9. PAG Meeting Feedback (PAG questionnaire): Mackenzie SFMP PAG questionnaire distributed, completed, and collected.

10. Next meeting:

October 7, 2009

10:00 AM – 4:00 PM

Mackenzie Recreation Centre – Conference Room (2nd Floor)

Agenda: Updating the Mackenzie SFM Plan

11. Actions

ID#	ACTION	WHO	DEADLINE	STATUS
April 29-03	Work with PAG representatives and others in the community to find new/replacement PAG representatives.	Licensee Steering Committee	Next Meeting	Ongoing
April 29-04	Investigate the possibility of Green Energy participating in the Mackenzie SFM process.	Licensee Steering Committee	Next Meeting	Ongoing
May 27-03	Add a non-timber benefits issue to the Continuous Improvement Matrix.	Licensee Steering Committee	Next Meeting	Ongoing
Jan 21-04	Provide PAG members with a list of FIA projects currently in the Land Base Investment Rationale (LBIR).	Licensee Steering Committee	Next Meeting	Deferred
May 26-01	Provide PAG members with a copy of the current Mackenzie District Forest Health Strategy and Tactical Plan.	Licensee Steering Committee	Before Next Meeting	Completed
May 26-02	Provide comments on the draft Annual Report to the Facilitator.	PAG members	June 15th	Completed
May 26-03	Provide PAG members with a cross reference of new “Core” CSA indicators with the existing measures.	Licensee Steering Committee	Before Next Meeting	Completed
May 26-04	Review Productive Forest Representation indicator with the PAG and reset targets.	Licensee Steering Committee	March 31, 2010.	

Mackenzie SFMP PAG Meeting Summary – June 24, 2009

ID#	ACTION	WHO	DEADLINE	STATUS
May 26-05	Present Peak Flow Index targets and new indicator recommendations to PAG	Licensee Steering Committee	March 31, 2010.	
June 24-01	Take a look at historic numbers related to the re-defined local area and propose realistic targets and variances to the PAG at the next meeting.	Licensee Steering Committee	Next Meeting	



Mackenzie SFMP



PAG Meeting

October 14, 2009

10:00 AM – 4:00 PM

Conference room (2nd flr)

Mackenzie Recreational Centre

Agenda

1. Welcome & Introductions
2. Review Agenda
3. Evaluation Results (June 24, 2009)
4. Approve Minutes (June 24, 2009)
5. Audit Results
 - BCTS Internal Audit
 - Canfor External Audit
6. Implementation of the Spatial Old Growth Management Areas within the Mackenzie TSA.
 - Beryl Nesbit (ILMB)
- - - 12:00 Lunch - - - -
7. Updating the Mackenzie SFM Plan
 - - - - 2:30 Break - - - -
8. Updating the Mackenzie SFM Plan (cont.)
9. Other
 - a.
10. Update on Actions
11. Expense Forms
12. Meeting Evaluation
13. Next Meeting

Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by **noon** on Friday, October 9, 2009, if you plan on attending this meeting.



Mackenzie SFMP



PAG Meeting

October 14, 2009 10:00 am – 4:00 pm
Recreation Centre, Mackenzie

Meeting Summary

Attendance:

<i>Public Advisory Group:</i> Tom Briggs Vi Lambie Aaron Snively	<i>Steering Committee & Advisors:</i> Darwyn Koch - BCTS Dan Szekely - Canfor
<i>Facilitator & Scribe:</i> Dwight Scott Wolfe (Tesera Systems Inc.)	<i>Observers:</i> Beryl Nesbit (ILMB) Suzanne Kobluk (ILMB)

1. Welcome & Introductions

1. Members signed in.
2. Welcome by the Chair of the Steering Committee [Darwyn Koch].

2. Confirmed agenda

1. Agenda accepted as written.

3. Evaluation results for June 24, 2009.

- a. Evaluation results for June 24, 2009 were reviewed.
- b. All results from the June 24, 2009 meeting met or exceeded the target.
- c. Meeting comments were as follows:

Meetings

- Good discussion.

Facilitator

- Always does a good job.

4. Minutes of the June 24, 2009 meeting.

1. Change header to “June 24, 2009”.
2. Minutes of the June 24, 2009 meeting accepted as revised.

5. Audit Results

1. BCTS Internal Audit

- a. Audit looked at Mackenzie, Prince George and Robson Valley operations with a focus on road construction and roadside logging.
- b. Mackenzie SFM Plan: reviewed 11 measures in the field and 27 measures in the office.
- c. No non-conformances or opportunities for improvement noted.
- d. Auditor noted as a “good practice”, the fact that Mackenzie SFM Plan was undergoing an update in preparation for aligning to the new standard.
- e. PAG member noted that a side road that was recently constructed north of the Findlay Bay FSR is now slipping. BCTS will notify the road engineers and investigate.

2. Canfor External Audit

- a. The external audit happened in July.
- b. Overall, the Mackenzie DFA audit was very good.
- c. The Mackenzie Operation has done a good job in recent months of working towards streamlining the SFM plan, removing the previous duplication of measures and transitioning to the requirements of Z809-08.
- d. The Mackenzie PAG has relatively good representation of local First Nations relative to many other PAGs in the province.
- e. No new non-conformities were identified.

6. Implementation of the Spatial Old Growth Management Areas within the Mackenzie TSA.

Beryl Nesbit and Suzanne Kobliuk from the Integrated Land Management Bureau (ILMB) gave a presentation on implementation of the Spatial Old Growth Management Areas (OGMA) within the Mackenzie TSA.

1. The OGMA project is still a “work in progress”.
2. Background:
 - a. The OGMA process began a few years ago by Les Hawkins with an initial organizing team that consisted of representatives from industry, the MoE and MoFR.
 - b. Initially some non-spatial objectives were proposed for certain Landscape Units, followed by a proposal to move to a Natural Disturbance Unit (NDU) scale based on Craig Delong’s work in the region. Some scenarios were provided but the organizing team decided to stay with the provincial Landscape Unit Planning approach.

Mackenzie SFMP PAG Meeting Summary – October 14, 2009

- c. At one point there were two streams of effort (spatial and non-spatial) with both a First Nations' Committee and a licensee committee.
- d. The process started to look at groupings by LRMP-based Resource Management Zones (RMZ) and also by Biogeoclimatic (BEC) zone.
- e. The non-spatial groupings were numerous with the licensees required to report on all groupings. In early 2008, the groupings were consolidated.
- f. Spatial objectives work has been going on for over 3 years (pre- Mountain Pine Beetle). The work started in the southern part of the district due to the encroachment of the MPB.

3. Current Activities:

- a. There is a deadline of October 31, 2009 to get a number of Landscape Units (LU) ready to advertise. These LU's are: Parsnip, Klawli, Manson River, Kennedy, Twenty Mile, Gillis, Gaffney, Misinchinka, Philip Lake, Tudyah A and Tudyah B
- b. Some of the analyses show that certain LU's are exceeding the budget of 4.1% of the Timber Harvesting Land Base (THLB). It is not clear if this "unduly" impacts the THLB.
- c. ILMB needs to review these LU's again and come up with a rationale for returning some area to the THLB. In these LU's some marginal ground that is still considered part of the THLB may be put back in. In general, ILMB may add some non-contributing area into the OGMA's.

4. PAG member asked how ILMB was considering Old Growth in dead pine. ILMB will leave these stands to fall down and regenerate naturally. There is no recruitment strategy for bringing "near old" stands into the OGMA. There is still the expectation that younger stands will be attacked by MPB and severely damaged, therefore, no need to incorporate these younger stands into OGMA boundaries.

5. The approach is to look at what is out there now and find the appropriate areas in Old Growth and allow these areas to regenerate naturally. Areas of Old Growth contained within Parks are subtracted from the old growth requirement for the LU. OGMAs are designed to capture elements not found in existing Parks and Protected Areas. The hope is that the correct areas have been chosen in order to minimize the number of potential amendments.

6. Target date for the new OGMA Order is subject to the timing of the 60 day review period and the amount of comments received during the review process. The 60 day review period also includes First Nations' review. ILMB is currently looking at a target date of March 31, 2010.

7. The next batch of LU's should be ready in 12-18 months.

8. It was noted that the Kennedy LU has lots of Old Growth in the Caribou Zones. Dale Seip has a new report on the activity of the Kennedy Herd (2009).

Mackenzie SFMP PAG Meeting Summary – October 14, 2009

a. <http://www.for.gov.bc.ca/hfd/library/FIA/HTML/FIA2009MR017.htm>

9. PAG concern about the amount of dead needles carpeting the forest floor in some dead pine stands. There is a FIA – funded proposal in the works to use prescribed burning to restore the lichen cover in some areas.

10. The PAG members reviewed a series of hard copy maps showing the location of draft OGMA's and were encouraged by ILMB to comment and add notes to the maps.

7. Updating the Mackenzie SFM Plan

1. Darwin Koch explained that the discussion document “*Mackenzie SFMP Summary of Proposed Changes to Measures*” has been updated to show (highlight) the changes to indicators endorsed by the PAG at the last two meetings. This document will be revised to include changes endorsed at each subsequent meeting.

2. Specific Changes to Measures

a.

Measure 4-2.3– local investment	<u>Existing Measure Statement:</u> <i>The percent of money spent on forest operations and management on the DFA provided from the north central interior suppliers (not including stumpage)</i>	Target: Report out on	Variance: N/A
Measure 4-2.4– Support for public initiatives	<u>Existing Measure Statement:</u> <i>The number of support opportunities provided to the public (stakeholders, residents, and interested parties).</i>	Target: Report out on	Variance: N/A
Measure 6-1.3– business opportunities	<u>Existing Measure Statement:</u> <i>The number of opportunities given to businesses within or immediately adjacent to the TSA to provide non-tendered services to forest management activities.</i>	Target: Report out on	Variance: N/A
Measure 6-1.5– support opportunities	<u>Existing Measure Statement:</u> <i>The number of support opportunities provided within or immediately adjacent to the TSA</i>	Target: Report out on	Variance: N/A

i. LSC Recommendation: Combine these measures into 1 indicator: The percent of money spent on forest operations and management in the DFA provided from local area suppliers (not including stumpage) Target = ??%, Variance = -??%

ii. Discussion

- LSC Comments: These 4 measures can easily be combined into 1 meaningful indicator that is measurable.
- Follow up on Action Item #1 from the June 24th meeting: LSC will take a look at historic numbers related to the re-defined local area and propose realistic targets and variances to the PAG at the next meeting.

Mackenzie SFMP PAG Meeting Summary – October 14, 2009

- ◆ BCTS – Fiscal 08-09; 27% (\$3.5 million) / Fiscal 07-08; 25% (\$2.5 million). Since all goods go to bid, these numbers could fluctuate dramatically from year to year.

- ◆ Canfor – Considerable fluctuation related to the amount of harvesting. Current harvesting is being done by Duz Cho Logging.

- The LSC is recommending a more reasonable target of 30% with a review in a couple of years. The recommended variance is -5%.

iii. PAG consensus on revised indicator statement: The percent of money spent on forest operations and management in the DFA provided from local area suppliers (not including stumpage) Target = 30%, Variance = -5%

b. Measure 4-5.1 – Competitive Sale of Timber

i. Existing Measure Statement: The percentage of DFA volume advertised for sale through open competitive bid.. Target: 40%. Variance: -5%

ii. LSC Recommendation: Remove this measure from the matrix.

iii. Discussion

- LSC Comments: The LSC is not sure of the relevance of this measure since it is BCTS’s mandate to offer timber for sale.

- At one time there may have been concern within the PAG as to the “new” BCTS planned to deal with their apportionment. This measure was probably a “stop-ga” that is not relevant any more.

iv. PAG consensus on recommendation to remove this measure from the matrix.

c.

Measure 5-1.1 –non-timber benefits	<u>Existing Measure Statement:</u> <i>List of existing and documented potential for marketed non-timber benefits.</i>	Target: Report out on	Variance: N/A
Measure 5-1.2 – SFM implications of non-timber values	<u>Existing Measure Statement:</u> <i>Description of potential implications of SFM practices on the amount and quality of marketed non-timber values.</i>	Target: Report out on	Variance: N/A

i. LSC Recommendation: Drop these two measures from the plan.

ii. Discussion

- LSC Comments: Presentation of a preliminary list of potential non-timber benefits and the potential impacts of forest management activities was presented to PAG at the fall 2008 meeting. Description of SFM implications requires that a list of marketed non-timber benefits be developed. As per Measure 5-1.1, a description of

Mackenzie SFMP PAG Meeting Summary – October 14, 2009

implications is to be developed on or before June 30, 2007. Now that it is in place, this measure will no longer be needed and will be removed from the SFMP.

- Under the new CSA Standard, the Plan Proponents will need to address NTFP's so a new indicator will be discussed in the future.

iii. PAG consensus on recommendation to remove these two measures from the matrix.

d.

Measure 6-1.1 – employment	<u>Existing Measure Statement:</u> <i>Employment supported by each sector of the local economy.</i>	Target: Report out on	Variance: N/A
Measure 6-1.2 – income	<u>Existing Measure Statement:</u> <i>Contribution of income sources from each sector of the local economy.</i>	Target: Report out on	Variance: N/A

i. LSC Recommendation: Drop these two measures from the plan.

ii. Discussion

- LSC Comments: The data set for these 2 measures comes from other sources – stats can reports. LSC would like to move the detail of these tables to section 3.2.1 of the plan under “communities and social economic description”. This information is not updated on an annual basis and is better suited in the text of the plan rather than as a measure.

iii. PAG consensus on the recommendation to remove these measures from the plan and place the corresponding tables in Section 3.2.1 of the SFM Plan.

e.

Measure 7-1.2 –SFMP Review	<u>Existing Measure Statement:</u> <i>The number of opportunities for the PAG to review and provide comment on the SFMP.</i>	Target: at least annually	Variance: none
Measure 7-1.3 – Meetings PAG	<u>Existing Measure Statement:</u> <i>Number of PAG meetings per year</i>	Target: at least 1 annually	Variance: none
Measure 7-1.5 – TOR Review	<u>Existing Measure Statement:</u> <i>Maintain and review at least annually and as required the Mackenzie SFMP PAG TOR to ensure a credible and transparent process.</i>	Target: at least annually	Variance: none

i. LSC Recommendation: Remove these three measures from the plan.

ii. Discussion

- LSC Comments: The requirement to meet these 3 requirements is covered off in the PAG TOR as well in the core requirements for the SFMP. The auditors will look at the number of meetings we have each year, the TOR review, as well as PAG review of the SFMP.

iii. PAG consensus on recommendation to remove these three measures from the plan

Mackenzie SFMP PAG Meeting Summary – October 14, 2009

f.

Measure 7-1.4 – Satisfaction PAG	<u>Existing Measure Statement:</u> <i>The level of satisfaction of the PAG members with the process.</i>	Target: 100%	Variance: - 20%
Measure 7-1.8 – Communication PAG	<u>Existing Measure Statement:</u> <i>Percent of PAG satisfaction with the amount and timing of information presented for informed decision making.</i>	Target: 100%	Variance: - 20%

i. LSC Recommendation: Combine these measures into 1 indicator: Average overall percent of the PAG’s satisfaction with PAG meeting process. Target = 100%, Variance = -20%

ii. Discussion

- LSC Comments: These 2 measures should be combined into 1 to report out on the total satisfaction of the PAG with the process. This indicator should reflect all aspects of the PAG meeting satisfaction survey.

iii. PAG consensus on recommendation to combine these measures into 1 indicator: Average overall percent of the PAG’s satisfaction with PAG meeting process. Target = 100%, Variance = -20%

g. Measure 7-1.1– List of affected parties

i. Existing Measure Statement: Implement and update a comprehensive list of stakeholders and affected third parties. Target: Annually, Variance: None

ii. LSC Recommendation: remove this measure from the plan

iii. Discussion

- LSC Comments: The LSC is not sure of the relevance of this measure. BCTS and Canfor maintain separate stakeholder lists that are updated on a regular basis based on government lists of stakeholders, returned mail from referrals, and communications with third parties.

iv. PAG consensus on recommendation to remove this measure from the plan

Mackenzie SFMP PAG Meeting Summary – October 14, 2009

h. Measure 7-1.9 – SFMP consistency with the LRMP

- i. Existing Measure Statement: Report out on the consistency of indicators or measures with LRMP objectives. Target: Report out on, Variance: N/A
- ii. LSC Recommendation: Remove this measure from the plan.
- iii. Discussion
 - LSC Comments: The LSC is not sure of the relevance of this measure. The comparison spreadsheet was completed at the start of the plan and then reviewed again recently.

Action Item #1: LSC to review LRMP objectives and compare to the new Core Indicators and present to the PAG with the completion of the revised SFM Plan by March 31, 2011.

- iv. PAG consensus on recommendation to remove this measure from the plan
- i.

Measure 7-1.6 – Satisfaction (affected parties)	<u>Existing Measure Statement:</u> <i>Survey residents, stakeholders, and first Nations regarding their satisfaction with forest management</i>	Target: at least every 3 years	Variance: none
Measure 7-2.1 – Concerns (affected parties)	<u>Existing Measure Statement:</u> <i>the number of opportunities given the public and stakeholders to express forestry related concerns and be involved in our planning process.</i>	Target: 6	Variance: -2
Measure 7-2.3 – response to concerns	<u>Existing Measure Statement:</u> <i>The percent of timely responses to written and documented concerns.</i>	Target: 100%	Variance: <5%
Measure 7-2.6 – communication strategy effectiveness	<u>Existing Measure Statement:</u> <i>Percentage of mutually agreed to communication strategies met.</i>	Target: 100%	Variance: <5%

i. LSC Recommendation: Combine these measures into 2 core indicators:

- The number of opportunities for stakeholders to provide meaningful input into forest planning. Target = 6, Variance = -2
 - ◆ This indicator will summarize the number of opportunities for stakeholders to provide input into Forest planning; including, referral of operational plans, open houses, trade shows, meetings, referral of PMPs, etc. Each opportunity will count as 1 towards the target. Stakeholders include Trappers, Guides, water licence holders, woodlot owners, range tenure holders, private land owners, other licensees, and other government agencies. Only stakeholders that have overlapping tenure with the applicable activity will be communicated with.
- The percentage of operational concerns raised by stakeholders that are considered and incorporated into operational plans. Target = 100%, Variance = -10%
 - ◆ This indicator will compare the number of operational concerns that have been acted on relative to the total number of operational concerns raised.

Mackenzie SFMP PAG Meeting Summary – October 14, 2009

ii. Discussion

- LSC Comments: There is overlap in all 4 of these indicators. The measures speak to the number of communications and concerns raised during referrals to stakeholders. Measure 7-1.6 spells out the requirement for an all encompassing survey which is intended to be reflective of SFM, but the responses will likely be more centered on the satisfaction with the forest industry.
- PAG suggestion to change the wording of each indicator:
 - ◆ The number of opportunities for the public and/or stakeholders to provide meaningful input into forest planning. Target = 6, Variance = -2
 - ◆ The percentage of operational concerns raised by the public and/or stakeholders that are considered and incorporated into operational plans. Target = 100%, Variance = -10%

iii. PAG consensus on revised indicator statements:

- The number of opportunities for the public and/or stakeholders to provide meaningful input into forest planning. Target = 6, Variance = -2
- The percentage of operational concerns raised by the public and/or stakeholders that are considered and incorporated into operational plans. Target = 100%, Variance = -10%

j.

Measure 7-2.4 – SFMP availability	<u>Existing Measure Statement:</u> <i>Distribution/access to SFM Plan, annual reports, and audit results</i>	Target: 1 annually	Variance: 0
Measure 7-2.5 – SFMP training	<u>Existing Measure Statement:</u> <i>The number of SFM educational opportunities and interactions provided</i>	Target: 2 annually	Variance: 0

i. LSC Recommendation: Remove these measures from the plan.

ii. Discussion

- LSC Comments: The LSC is not sure of the relevance of these measures.
- iii. PAG requests that the LSC review these measures in context of the new CSA standard and combine these 2 measures into 1 meaningful indicator statement.

Action Item #2: The LSC will combine these 2 measures into 1 meaningful indicator statement and present to the PAG by March 31, 2011.

Mackenzie SFMP PAG Meeting Summary – October 14, 2009

k.

Measure 7-3.1 – adaptive management	<u>Existing Measure Statement:</u> <i>Adaptive management strategy is developed, documented, acted on, and reviewed.</i>	Target: at least 1 annually	Variance: 0
Measure 7-3.2 – monitoring plan	<u>Existing Measure Statement:</u> <i>monitoring plan is developed, documented, acted on, and reviewed.</i>	Target: at least 1 annually	Variance: 0
Measure 7-3.3 – annual report	<u>Existing Measure Statement:</u> <i>reports and analysis of monitoring information – annual report.</i>	Target: at least 1 annually	Variance: 0

i. LSC Recommendation: Remove these measures from the plan.

ii. Discussion

- LSC Comments: The LSC is not sure of the relevance of these measures, since a commitment to adaptive management and the monitoring plan exists in section 8 of the plan, as well as a commitment to the annual report is a requirement of the standard.

iii. PAG consensus on the recommendation to remove these measures from the plan.

l. Measure 9-1.1 – Recreation

i. Existing Measure Statement: The percentage of harvest operations with results and strategies for recreation values as identified in operational plans, tactical plans, and/or site plans. Target: 100%, Variance: 0.

ii. LSC Recommendation: Remove this measure from the plan.

iii. Discussion

- LSC Comments: Recreation features and the management of them are included in measure 9-3.1 – Resource Features.

iv. PAG consensus on recommendation to remove this measure from the plan.

m. Measure 9-2.2 – Green up Buffers.

i. Existing Measure Statement: the percentage of harvest operations with visually effective green-up buffer along roads identified in the Mackenzie LRMP. Target: 100%, Variance: 0

ii. LSC Recommendation: Remove this measure from the plan.

iii. Discussion

- LSC Comments: The LSC is not sure of the relevance of this measure, given the mountain pine beetle epidemic and the predominance of pine leading stands along these road systems.

Mackenzie SFMP PAG Meeting Summary – October 14, 2009

- iv. PAG consensus on recommendation to remove this measure from the plan.
- n. Measure 9-3.1– Resource Features.
 - i. Existing Measure Statement: Percent of identified and/or significant places and features of social, cultural, or spiritual importance that are managed or protected.
Target: 100%, Variance: 0
 - ii. LSC Recommendation: change this measure to this indicator:
 - Percentage of blocks and roads harvested that are managed or protected for identified resource features. Target: 100%, Variance: -10%.
 - ◆ This indicator will report out the total number of blocks and roads harvested, the number of those that have applicable resource features, and the number of those that are managed or protected.
 - iii. Discussion
 - LSC Comments: **resource features** as per regulation are: Karst, a range development, Crown land used for research, Permanent sample sites, A cultural heritage resource, An interpretive forest site or trail, A recreational site or trail, or A recreational feature.
 - PAG suggestion to change the wording of the indicator:
 - ◆ Percentage of blocks and roads harvested coinciding with identified resource features that are managed or protected. Target: 100%, Variance: -10%.
 - iv. PAG consensus on revised indicator statement: Percentage of blocks and roads harvested coinciding with identified resource features that are managed or protected.
Target: 100%, Variance: -10%.
- o. Measure 9-5.1 – Signage.
 - i. Existing Measure Statement: Signage on FSRs and main haul roads to be kept current
Target: 100%, Variance: -5%
 - ii. LSC Recommendation: change this measure to this indicator:
 - The percentage of operational activities that have the appropriate safety signage in place during the activity. Target = 100%, Variance = -20%.
 - ◆ Operational activities include harvesting, road building, road side brushing, hand falling, etc. The level of appropriate safety related signage is designated in LSC safety company policies.

Mackenzie SFMP PAG Meeting Summary – October 14, 2009

iii. Discussion

- LSC Comments: This indicator needs to be re-worded to reflect the requirement for appropriate safety signs where there are current operational activities.
- PAG suggestion to change the wording of the indicator:
 - ◆ The percentage of operational activities that have the appropriate safety signage in place during the activity, and removed upon completion of the activity. Target = 100%, Variance = -20%.

- iv. PAG consensus on revised indicator statement: The percentage of operational activities that have the appropriate safety signage in place during the activity, and removed upon completion of the activity. Target = 100%, Variance = -20%.

8. Other

1. No additional agenda topics.

9. Actions updated

1. See Action Table (below)
2. Action ID - April 29-03: Ongoing.
3. Action ID - April 29-04: Ongoing.
4. Action ID - May 27-03: Ongoing.
5. Action ID - Jan 21-04: Dan Szekely provided PAG members with a list of FIA projects currently in the Land Base Investment Rationale (LBIR). Action completed.
 - a. The summary of FIA projects approved/submitted from the Canfor – Mackenzie allocation is as follows:

Project #	Value	Description
8023001	\$15,900.00	Public Advisory Group – Development of objectives and indicators
8023002	\$7,500.00	Mugaha bird banding
8023003	\$236,110.84	Caribou monitoring

6. Action ID – May 26-04: LSC to review Productive Forest Representation indicator with the PAG and reset targets by March 31, 2010.
7. Action ID – May 26-05: LSC to present Peak Flow Index targets and new indicator recommendations to PAG by March 31, 2010.

Mackenzie SFMP PAG Meeting Summary – October 14, 2009

8. Action ID – June 24-01: In reference to section 2a in this meeting summary (above) the LSC took a look at historic numbers related to the re-defined local area and provided PAG members with realistic targets and variances. Action completed.

10. PAG Meeting Feedback (PAG questionnaire): Mackenzie SFMP PAG questionnaire distributed, completed, and collected.

11. Next meeting:

December 15, 2009

10:00 AM – 4:00 PM

Mackenzie Recreation Centre – Conference Room (2nd Floor)

Agenda: Updating the Mackenzie SFM Plan

Mackenzie SFMP PAG Meeting Summary – October 14, 2009

12.Actions

ID#	ACTION	WHO	DEADLINE	STATUS
April 29-03	Work with PAG representatives and others in the community to find new/replacement PAG representatives.	Licensee Steering Committee	Next Meeting	Ongoing
April 29-04	Investigate the possibility of Green Energy participating in the Mackenzie SFM process.	Licensee Steering Committee	Next Meeting	Ongoing
May 27-03	Add a non-timber benefits issue to the Continuous Improvement Matrix.	Licensee Steering Committee	Next Meeting	Ongoing
Jan 21-04	Provide PAG members with a list of FIA projects currently in the Land Base Investment Rationale (LBIR).	Licensee Steering Committee	Next Meeting	Completed
May 26-04	Review Productive Forest Representation indicator with the PAG and reset targets.	Licensee Steering Committee	March 31, 2010.	
May 26-05	Present Peak Flow Index targets and new indicator recommendations to PAG	Licensee Steering Committee	March 31, 2010.	
June 24-01	Take a look at historic numbers related to the re-defined local area and propose realistic targets and variances to the PAG at the next meeting.	Licensee Steering Committee	Next Meeting	Completed
Oct 14-01	Review LRMP objectives and compare to the new Core Indicators and present to the PAG with the completion of the revised SFM Plan.	Licensee Steering Committee	March 31, 2010.	
Oct 14-02	Combine these two measures (7-2.4 – SFMP availability & 7-2.5 – SFMP training) into one meaningful indicator statement and present to the PAG.	Licensee Steering Committee	March 31, 2010.	



Mackenzie SFMP



PAG Meeting

December 15, 2009

10:00 AM – 4:00 PM

Conference room (2nd flr)

Mackenzie Recreational Centre

Agenda

1. Welcome & Introductions
2. Review Agenda
3. Evaluation Results (October 14, 2009)
4. Approve Minutes (October 14, 2009)
5. Audit Results
 - BCTS External Audit
6. Update on Canfor – Mackenzie Operations
7. Annual Report Update from Mugaha Marsh Bird Banding Station (Vi Lambie)
- - - 12:00 Lunch - - - -
8. Updating the Mackenzie SFM Plan
- - - - 2:30 Break - - - -
9. Updating the Mackenzie SFM Plan (cont.)
10. Other
 - a.
11. Update on Actions
12. Expense Forms
13. Meeting Evaluation
14. Next Meeting

Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by **noon** on Friday, December 11, 2009, if you plan on attending this meeting.



Mackenzie SFMP



PAG Meeting

December 15, 2009 10:00 am – 4:00 pm
Recreation Centre, Mackenzie

Meeting Summary

Attendance:

<i>Public Advisory Group:</i> Tom Briggs Ron Crosby Stephanie Killam Vi Lambie Lawrence Napier	<i>Steering Committee & Advisors:</i> Darwyn Koch - BCTS Dan Szekely - Canfor
<i>Facilitator & Scribe:</i> Dwight Scott Wolfe (Tesera Systems Inc.)	<i>Observers:</i> Jonathan Taylor- BCTS

1. Welcome & Introductions

1. Members signed in.
2. Welcome by the Chair of the Steering Committee [Darwyn Koch].

2. Confirmed agenda

1. Agenda accepted as written.

3. Evaluation results for October 14, 2009.

- a. Evaluation results for October 14, 2009 were reviewed.
- b. All results from the October 14, 2009 meeting met or exceeded the target.
- c. Meeting comments were as follows:

Meetings

- need gourmet coffee – espresso.

Suggestions

- More PAG attendance.

4. Minutes of the October 14, 2009 meeting.

1. Bottom of page 5 under LSC Comments: change “will be” to “was”.
2. In reference to Caribou Habitat Restoration (top of page 4 – point #9) Dan Szekely informed the PAG that a project has been submitted to FIA for approximately, \$26,000.
3. Minutes of the October 14, 2009 meeting accepted as revised.

5. Audit Update

1. BCTS External Audit

- a. A re-registration audit for the Mackenzie DFA is coming up on January 13, 2010.
- b. The audit will be on the current plan with 109 measures. BCTS will give the Auditors a copy of the draft revised plan as a reference.
- c. The Auditors will be sending a questionnaire to all PAG members.
- d. The Auditors will be in Mackenzie on Wednesday, January 13, 2010.

Action Item #1: Facilitator to send out a notice to the PAG about the opportunity to meet with the Auditor on January 13, 2010.

6. Update on Canfor – Mackenzie Operations.

Dan Szekely provided an update on the status of Canfor – Mackenzie Operations.

1. A second shift is going ahead. The scheduled date is February 22, 2010.
2. Actively hiring trades people for the second shift. Looking for five additional sawmill staff and two additional woodlands. There is also the potential for some new production staff. A total of 140 hourly employees, 20 sawmill staff and 5 woodlands staff once the second shift is operational.
3. Two logging shows are currently working in the Phillips area. Another logging show will start up in January. Approximately 20 loads /day are currently coming to the sawmill with the target of 60 loads/day by March.
4. The Canfor Directors are meeting in December to discuss the Chetwynd Operation and are considering a star-up of that mill in January.
5. The PAG members noted the recent announcement of the upgrading to the Fort St. James - Mackenzie Connector road and that Terrane Metals received Federal Government approval of the Environmental Assessment for the Mt. Milligan Project.

7. Annual Report Update from Mugaha Marsh Bird Banding Station

1. Vi Lambie gave a presentation on the annual report for the Mugaha Marsh Bird Banding Station
 - a. A rigorous protocol is followed each year. This includes the same nets in the same locations. Some traditional sites have been flooded due to recent reservoir levels
 - b. Some species numbers are up while others are down. Some of the captured birds have been banded from as far away as Minnesota. It has been proven that some of the birds banded at the Mugaha Marsh have been caught as far away as Florida, North Carolina, Texas, California and Pennsylvania.

Mackenzie SFMP PAG Meeting Summary – December 15, 2009

c. Approximately 20 local volunteers are involved with the project with lots of out-of-town participants. The number of days spent netting varies from year to year. On average, approximately 4500 net-hours/year.

d. All FIA dollars spent go to the banders.

Action Item #2: Facilitator to circulate the Annual Report and PowerPoint presentation to PAG members.

8. Updating the Mackenzie SFM Plan

1. Darwin Koch explained that the discussion document “*Mackenzie SFMP Summary of Proposed Changes to Measures*” has been updated to show (highlight) the changes to indicators endorsed by the PAG at the last three meetings. This document will be revised to include changes endorsed at each meeting.

2. Specific Changes to Measures

a.

Measure 4-4.1 – Support to First Nations	<u>Existing Measure Statement:</u> <i>The number of support opportunities provided to First Nations with treaty area and/or asserted traditional territory within the DFA.</i>	Target: Report out on	Variance: N/A
Measure 4-4.2 – Contract opportunities to first nations	<u>Existing Measure Statement:</u> <i>The number of contract opportunities provided to First Nations with treaty area and/or asserted traditional territory within the DFA.</i>	Target: Report out on	Variance: N/A
Measure 4-4.3 – Value of transactions to first nations	<u>Existing Measure Statement:</u> <i>The total value of transactions with First Nations with treaty area and/or asserted traditional territory within the DFA.</i>	Target: Report out on	Variance: N/A

i. LSC Recommendation: Combine these measures into 1 indicator: The number of contract opportunities with First Nations within the DFA. Target = >5, Variance = -2

ii. Discussion

- LSC Comments: For measure 4-4.1, the LSC has not been able to demonstrate support opportunities directly to first nations. Economic support opportunities to the community are covered off in other measures. Measure 4-4.2 and 4-4.3 can be easily combined into 1 indicator to cover this off.
- The premise of this indicator is that contract opportunities are no guarantee of awarding a contract to First Nations. The First Nations contractor must meet the minimum requirements for each contract opportunity; offer a comparable product, at a competitive rate.

Mackenzie SFMP PAG Meeting Summary – December 15, 2009

- For BCTS, this indicator would be the number of contract opportunities made available through BC Bid.
 - Canfor does direct award some contracts to First Nations provided they are competitive. Detailed information on contracts awarded to First Nations is available.
 - The target will be a combined number for both Canfor and BCTS
 - Canfor and BCTS will report on their contract opportunities separately.
 - PAG members expressed concern that there were no PAG representatives or alternates in attendance from the sectors representing First Nations' interests.
- iii. PAG consensus on recommendation to combine these measures into 1 indicator: The number of contract opportunities with First Nations within the DFA. Target = >5, Variance = -2
- b. Measure 7-2.4 – SFMP availability
- i. Existing Measure Statement: Distribution/access to SFM Plan, annual reports, and audit results. Target: 1 annually, Variance: 0
- ii. LSC Recommendation: The LSC proposes the following revision to this indicator: *The number of opportunities provided annually for access to SFM related documents.* Target = 1, Variance = 0
- iii. Discussion
- LSC Comments: The LSC recognizes that it is important to have access to the SFMP and related information, but we think this measure should be re-worded to be more specific.
 - Opportunities would include newsletters, open houses, trade shows, public meetings, websites and other opportunities to provide SFM -related information with the public, stakeholders, or First Nations. Documentation related to SFM includes; the current SFMP, audit results, annual reports and PAG meeting minutes.
 - PAG discussed the recommended target and whether the auditor would want to see a target greater than one.
 - PAG recommendation to change the target to three (3). No change in the variance.
- iv. PAG consensus on the revised indicator statement: The number of opportunities provided annually for access to SFM related documents. Target = 3, Variance = 0

Mackenzie SFMP PAG Meeting Summary – December 15, 2009

c.

Measure 8-1.2 – TOR review (First Nations rights)	<u>Existing Measure Statement:</u> <i>Maintain and review at least annually and as required the Mackenzie SFMP PAG TOR to recognize that First Nations participation in the public process will not prejudice First Nations rights and treaty rights.</i>	Target: at least 1 annually	Variance: 0
Measure 8-2.1 – Participation (First Nations)	<u>Existing Measure Statement:</u> <i>The number of opportunities for First Nations to provide meaningful input into our planning process.</i>	Target: >/= 2 per FN	Variance: 0
Measure 8-3.1 – Concerns (First Nation)	<u>Existing Measure Statement:</u> <i>Percentage of issues raised by First Nations peoples evaluated and responded to in a timely manner.</i>	Target: 100%	Variance: -10%
Measure 8-3.2 – Participation effectiveness (First Nations)	<u>Existing Measure Statement:</u> <i>Percentage of issues raised by First Nations Chief and Council or their authorized representative developed into mutually agreed upon strategies</i>	Target: 100%	Variance: -50%
Measure 8-4.1 – Participation effectiveness (First Nations)	<u>Existing Measure Statement:</u> <i>Incorporation of mutually agreed upon strategies to address First Nations peoples values, knowledge, and uses into SFMP, operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: -50%
Measure 8-4.2 – Implementation effectiveness (First Nations)	<u>Existing Measure Statement:</u> <i>Percentage of forest operations consistent with mutually agreed upon strategies developed with First Nations</i>	Target: 100%	Variance: 0%

i. LSC Recommendation: Combine these measures into 2 core indicators:

- The number of opportunities for First Nations to provide meaningful input into forest planning. Target =>/= 2 per FN, Variance = 0%
 - ◆ This indicator will summarize the number of opportunities for First Nations to actively participate in Forest planning; including, referral of operational plans, open houses at band offices, trade shows, formal meetings, PMPs, etc.
- The percentage of operational concerns raised by First Nations that are considered and incorporated into operational plans. Target = 100%, Variance = -10%
 - ◆ This indicator will compare the number of operational concerns that have been acted on relative to the total number of first nations operational concerns raised.

ii. Discussion

- LSC Comments: There is overlap in all 6 of these indicators. Measure 8-1.2 is built into the Terms of Reference and is a requirement of the standard. The measure is redundant. The remaining measures speak to the number of communications and concerns raised during referrals or consultation.
- Operational concerns relate to operational plans and / or Site Plans. The majority of comments from FN come through the referral of specific operating plans.

Mackenzie SFMP PAG Meeting Summary – December 15, 2009

- The FN-related indicators in the SFM plan will be revisited during the process to align the SFM plan to the new CSA standard.
- PAG suggestion to change the wording of each indicator:
 - ◆ The number of opportunities for First Nations to provide meaningful input into forest planning where active forest operations are within their Traditional Territory. Target = ≥ 2 per FN, Variance = 0%
 - ◆ The percentage of operational concerns raised by First Nations that are considered and incorporated into operational and / or tactical plans. Target = 100%, Variance = -10%

Action Item #3: LSC to add definitions for “active” forest operation to the indicator text in the SFM plan.

Action Item #4: LSC to add definitions for 1) Operational Plans, 2) tactical plans, and 3) site plans to the SFM glossary.

Action Item #5: LSC to retro-fit the wording for indicators where the phrase “the percentage of operational concerns” is used to be consistent with the revised wording: “operational and / or tactical plans”.

iii. PAG consensus on the revised indicator statements:

- The number of opportunities for First Nations to provide meaningful input into forest planning where active forest operations are within their Traditional Territory. Target = ≥ 2 per FN, Variance = 0%
- The percentage of operational concerns raised by First Nations that are considered and incorporated into operational and / or tactical plans. Target = 100%, Variance = -10%

Mackenzie SFMP PAG Meeting Summary – December 15, 2009

3. Other Measures with Minor Rewording

a. Measure 1-2.2 – Coarse woody debris

- i. Existing Measure Statement: Percentage of cutblocks that exceed coarse woody debris requirements. Target: 100%, Variance: 0%
- ii. LSC Recommendation: The LSC proposes changing the measure statement to the following indicator: *The percentage of blocks and roads harvested that exceed coarse woody debris requirements. Target = 100%, Variance = 0%.*
- iii. Discussion
 - LSC Comments: This indicator needs to be re-worded to reflect blocks and roads harvested during the reporting period.
 - Coarse woody debris requirements will remain unchanged from the original SFMP until such time as the coarse woody debris regulation is in force
- iv. PAG consensus on the revised indicator statement: *The percentage of blocks and roads harvested that exceed coarse woody debris requirements. Target = 100%, Variance = 0%.*

b. Measure 2-1.5 – Site Index

- i. Existing Measure Statement: Variance between average pre-harvest and post harvest Site Index (at Free Growing) for cutblocks. Target: 0, Variance: 0
- ii. LSC Recommendation: The LSC proposes changing the measure statement to the following indicator: *The percentage of standards units declared free growing that have measured site index values at or greater than pre-harvest site index. Target = 100%, Variance = -5%.*
- iii. Discussion
 - LSC Comments: This indicator needs to be re-worded to add some clarity to what exactly is being measured.
 - Standard units are declared, not blocks. The table in the SFMP indicating average pre-harvest site index values for both pine and spruce leading stands will continue to be used as a benchmark.
- iv. PAG consensus on the revised indicator statement: *The percentage of standards units declared free growing that have measured site index values at or greater than pre-harvest site index. Target = 100%, Variance = -5%.*

c. Measure 2-3.1 – Regeneration Delay

Mackenzie SFMP PAG Meeting Summary – December 15, 2009

- i. Existing Measure Statement: Percent of harvested blocks declared stocked prior to the regeneration date consistent with operational plans. Target: 100%, Variance: -5%
 - ii. LSC Recommendation: The LSC proposes changing the measure statement to the following indicator: *The percentage of standards units declared stocked prior to the regeneration date consistent with operational plans. Target = 100%, Variance = -5%.*
 - iii. Discussion
 - LSC Comments: This indicator needs to be re-worded to add some clarity to what exactly is being measured.
 - Standard units are declared, not blocks.
 - iv. PAG consensus on the revised indicator statement: *The percentage of standards units declared stocked prior to the regeneration date consistent with operational plans. Target = 100%, Variance = -5%.*
- d. Measure 2-3.2 – Free Growing
- i. Existing Measure Statement: Percent of harvested blocks declared Free Growing prior to the late free growing assessment date. Target: 100%, Variance: -5%
 - ii. LSC Recommendation: The LSC proposes changing the measure statement to the following indicator: *The percentage of standards units declared free growing prior to the late free growing assessment date. Target = 100%, Variance = -5%.*
 - iii. Discussion
 - LSC Comments: This indicator needs to be re-worded to add some clarity to what exactly is being measured.
 - Standard units are declared, not blocks.
 - iv. PAG consensus on the revised indicator statement: *The percentage of standards units declared free growing prior to the late free growing assessment date. Target = 100%, Variance = -5%.*

9. Other

1. No additional agenda topics.

10. Actions updated

1. See Action Table (below)
2. Action ID - April 29-03: Ongoing.
3. Action ID - April 29-04: Ongoing.
4. Action ID - May 27-03: Ongoing.
5. Action ID – May 26-04: LSC to review Productive Forest Representation indicator with the PAG and reset targets by March 31, 2010.
6. Action ID – May 26-05: LSC to present Peak Flow Index targets and new indicator recommendations to PAG by March 31, 2010.
7. Action ID – Oct 14-01: LSC to review LRMP objectives and compare to the new Core Indicators and present to the PAG with the completion of the revised SFM Plan by March 31, 2010
8. Action ID – Oct 14-02: LSC to combine these two measures (7-2.4 – SFMP availability & 7-2.5 – SFMP training) into one meaningful indicator statement and present to the PAG. The LSC completed the task and provided PAG members with an indicator that was reviewed and endorsed at this meeting. Action completed.

11. PAG Meeting Feedback (PAG questionnaire): Mackenzie SFMP PAG questionnaire distributed, completed, and collected.

12. Next meeting:

February 10, 2009

10:00 AM – 4:00 PM

Mackenzie Recreation Centre – Conference Room (2nd Floor)

Agenda: Updating the Mackenzie SFM Plan

Mackenzie SFMP PAG Meeting Summary – December 15, 2009

13.Actions

ID#	ACTION	WHO	DEADLINE	STATUS
April 29-03	Work with PAG representatives and others in the community to find new/replacement PAG representatives.	Licensee Steering Committee	Next Meeting	Ongoing
April 29-04	Investigate the possibility of Green Energy participating in the Mackenzie SFM process.	Licensee Steering Committee	Next Meeting	Ongoing
May 27-03	Add a non-timber benefits issue to the Continuous Improvement Matrix.	Licensee Steering Committee	Next Meeting	Ongoing
May 26-04	Review Productive Forest Representation indicator with the PAG and reset targets.	Licensee Steering Committee	March 31, 2010.	
May 26-05	Present Peak Flow Index targets and new indicator recommendations to PAG	Licensee Steering Committee	March 31, 2010.	
Oct 14-01	Review LRMP objectives and compare to the new Core Indicators and present to the PAG with the completion of the revised SFM Plan.	Licensee Steering Committee	March 31, 2010.	
Oct 14-02	Combine these two measures (7-2.4 – SFMP availability & 7-2.5 – SFMP training) into one meaningful indicator statement and present to the PAG.	Licensee Steering Committee	March 31, 2010.	Completed
Dec 15-01	Send out a notice to the PAG about the opportunity to meet with the Auditor on January 13, 2010.	Facilitator	ASAP	
Dec 15-02	Circulate the Mugaha Marsh Bird Banding Station Annual Report and PowerPoint presentation to PAG members.	Facilitator	Before next meeting	
Dec 15-03	Add definitions for “active” forest operation to the indicator text in the SFM plan.	Licensee Steering Committee	March 31, 2010.	
Dec 15-04	Add definitions for 1) Operational Plans, 2) tactical plans, and 3) site plans to the SFM glossary.	Licensee Steering Committee	March 31, 2010.	
Dec 15-05	Retro-fit the wording for indicators where the phrase “the percentage of operational concerns” is used to be consistent with the revised wording: “operational and / or tactical plans”.	Licensee Steering Committee	March 31, 2010.	



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

PAG Meeting

February 10, 2010

10:00 AM – 4:00 PM

Conference room (2nd flr)

Mackenzie Recreational Centre

Agenda

1. Welcome & Introductions
2. Review Agenda
3. Evaluation Results (December 15, 2009)
4. Approve Minutes (December 15, 2009)
5. Audit Results
 - BCTS External Audit
6. Terms of Reference Review
7. Review of the updated Mackenzie SFM Plan
8. Indicator #4 - Productive Ecosystem Representation
9. Review of Mackenzie LRMP Objectives & Comparison to CSA Core Indicators
 - - - 12:00 Lunch - - - -
10. Mackenzie TSA Caribou Project Update (Scott McNay - Wildlife Infometrics)
 - - - - 2:30 Break - - - -
11. Indicator #11 - Peak Flow
12. Other
 - a.
13. Update on Actions
14. Expense Forms
15. Meeting Evaluation
16. Next Meeting

Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by **noon** on Friday, February 5, 2010 if you plan on attending this meeting.



Mackenzie SFMP



PAG Meeting

February 10, 2010 10:00 am – 4:00 pm
Recreation Centre, Mackenzie

Meeting Summary

Attendance:

<i>Public Advisory Group:</i>		<i>Steering Committee & Advisors:</i>
Tom Briggs	Vi Lambie	Darwyn Koch - BCTS
Ron Crosby	Lawrence Napier	Dan Szekely - Canfor
Teena Demeulemeester	Monica Rice	
Stephanie Killam	Aaron Snively	
Josef Kollbrand	Micheline Snively	
<i>Facilitator & Scribe:</i>		<i>Observers:</i>
Dwight Scott Wolfe (Tesera Systems Inc.)		Scott McNay - Wildlife Infometrics

1. Welcome & Introductions

1. Members signed in.
2. Welcome by the Chair of the Steering Committee [Darwyn Koch].

2. Confirmed agenda

1. Agenda accepted as written.

3. Evaluation results for December 15, 2009.

- a. Evaluation results for December 15, 2009 were reviewed.
- b. All results from the December 15, 2009 meeting met or exceeded the target.
- c. Meeting comments were as follows:

Meetings

- Great discussion with the SFM plan.

Facilitator

- Guided the discussion in a positive manner.

4. Minutes of the December 15, 2009 meeting.

1. Top of page 3 under “Annual Report Update from Mugaha Marsh Bird Banding Station”
 - a. Revise 7.1.d to read: *All FIA dollars spent go to the banders.*
2. Bottom of page 3 under “8. Updating the Mackenzie SFM Plan”

Mackenzie SFMP PAG Meeting Summary – February 10, 2010

a. Revise 8.2.a.ii to read: • *LSC Comments: For measure 4-4.1, the LSC has not been able to demonstrate support opportunities directly to first nations. Economic support opportunities to the community are covered off in other measures. Measure 4-4.2 and 4-4.3 can be easily combined into 1 indicator to cover this off.*

3. PAG concerns over the lack of First Nations involvement in discussions on measures related to First Nations interests. First Nations members in attendance were encouraged to review the revisions to the measures and send comments to the LSC.

4. Minutes of the October 14, 2009 meeting accepted as revised.

a. Three (3) abstentions

i. Reason for abstention 1: Did not attend the December 15, 2009 meeting.

ii. Reason for abstention 2: Did not attend the December 15, 2009 meeting

iii. Reason for abstention 3: Did not attend the December 15, 2009 meeting

5. Audit Update

1. BCTS External Audit

a. A re-registration audit for the Mackenzie DFA was held in late January 2010.

b. No findings regarding the SFM Plan.

c. The auditor had a suggestion regarding the Annual Report that BCTS add additional information on actions to address indicators not met.

d. The auditor sent a questionnaire directly to PAG members and there were a number of responses as well as a few phone interviews with PAG members and First Nations.

e. All external audit reports are available on the BCTS Website:

http://www.for.gov.bc.ca/ftp/TPG/external/!publish/SFMS/Mackenzie_SFMP/Audit%20Results/

2. Canfor External Audit

a. An external audit is tentatively scheduled for July 29 and 30, 2010.

b. There is a possibility to align this audit with the next BCTS surveillance audit.

6. Terms of Reference Review.

1. The LSC proposed revising the Terms of Reference to change the membership structure from “sector-based” to “interest-based”. This revision would change the membership structure to remove the need for “alternates”.

a. The LSC rationale for the recommended changes comes from the ongoing performance of Measure 7-1.7 Representation (PAG) in the Annual Report. The Measure Statement (Percentage of the public sectors as defined in the TOR invited to participate in the PAG

Mackenzie SFMP PAG Meeting Summary – February 10, 2010

process) has a target of 100% and a variance of 0. PAG representation in all sectors was not realized during the reporting period. Of the 23 sectors, an attempt to assign a representative for 1 sector was not realized. This is in part due to the lack of public interest in the SFMP process, coupled with the downturn in the local forest economy.

b. The PAG has no interest in changing the membership structure from “*sector-based*” to “*interest-based*”.

2. The LSC proposed adjusting the variance on Measure 7-1.7 Representation (PAG) in the Annual Report from 0 to -20%

a. The PAG acknowledged that attrition naturally occurs in a process like this.

b. The PAG does not see a need to adjust the variance on Measure 7-1.7

c. No changes to Measure 7-1.7 Representation (PAG)

3. PAG members reached consensus on the following changes to the Terms of Reference (changes and additions italicised):

a. Date of Terms of Reference changed to “*February 10, 2010*”

4. PAG discussed the recent concerns about communication of meeting content to PAG members to ensure appropriate representation of interests.

Action Item #1: Facilitator to modify future correspondence with PAG members to include the following: In the body of the email/letter, highlight key issues to be discussed at the meeting, also, make follow-up phone calls to PAG members to inform them directly about the issues being discussed at the meeting.

Action Item #2: Facilitator to contact lapsed PAG members by letter to inform them of their status, explain the process of replacement and ask if they can recommend new representatives for their interest area.

7. Review of the Updated Mackenzie SFM Plan

Darwyn Koch summarized the updates to the Mackenzie SFM Plan.

1. The updated SFM Plan was mailed to PAG members in January 2010.

2. Page 27 - PAG concern about the reference to the intent of the LRMP Resource Management Zone designations in *Table 3. A summary of operating areas within the Mackenzie DFA.*

a. LSC noted that the designations in the Table do not carry over into Values, Objectives, Indicators and Targets in the SFM Plan. The intent was to manage at the subzone level.

Action Item #3: LSC to add clarification to Table 3 in the SFM Plan regarding the LRMP Resource Management Zone designations.

3. Page 17 – LSC clarified the intent of the Canfor Environmental policy

Mackenzie SFMP PAG Meeting Summary – February 10, 2010

4. Page 19 – LSC clarified the intent of the BCTS Environmental policy
5. Page 46 – LSC provided clarification on where OGMAs are established
6. Page 53 - Indicator 4 Productive Forest Representation
 - a. The proposed targets for this measure will be discussed later in the meeting.
7. Page 76 - Indicator #16 Soil Conservation
 - a. LSC confirmed that there are no other rules outside of the site plan or operational plan that would affect the plan proponents, ability to meet the targets for Indicator #16 - The percentage of forest operations consistent with soil conservation standards as identified in operational plans and/or site plans.
8. The PAG had a general discussion on how to develop or refine the scenarios described in the SFM Plan for each measure and the percentages used.
9. General Agreement by the PAG (with one abstention) to accept the updated SFM plan.
 - a. Reason for abstention: did not read the updated SFM Plan

8. Mackenzie TSA Caribou Project Update

1. Scott McNay from Wildlife Infometrics presented an update on Caribou Projects in the Mackenzie TSA
2. Highlights
 - a. To date, Caribou Projects in the Mackenzie TSA have compiled over of 1000 caribou-years of data. Good baseline data is available on the status of caribou (life requisites, mortality factors, competition and displacement factors).
 - i. Able to determine a strong correlation between moose populations and caribou mortality levels.
 - b. Caribou Habitat Assessment and Supply Estimator (CHASE)
 - i. A habitat supply model to estimate current and future levels of caribou habitat.
 - ii. Provides the ability to model a range of natural disturbances and see the effects on habitat supply indicators
 - iii. CHASE was used to model caribou seasonal ranges as described in the Recovery Action Plan for Northern Caribou Herds in North-central British Columbia (Recovery Action Plan). THE intent was to identify Caribou Habitat to assist with stabilizing or increasing populations and try and identify the most important High Elevation Winter Ranges.

Mackenzie SFMP PAG Meeting Summary – February 10, 2010

- iv. Low elevation winter range project is currently being funded by the Resources North Association.
- v. These projects are helping to inform the development of a more strategic approach to caribou management in the province

3. Discussion

a. Caribou Seasonal Ranges:

- i. The projects are providing clarity on the landscape requirements for High elevation Winter Range
- ii. Calving habitat and post-rut habitat may follow.
- iii. PAG member asked if calving range changes from year to year? Scott noted that individual caribou do not change their location from year to year

b. PAG members expressed concern about Mountain Pine Beetle (MPB) effects on habitat. Scott mentioned that caribou forage at lower elevations until snow depth gets too deep. In the past, pine has intercepted a certain amount of snow. Caribou still use the canopy cover but go to higher elevations sooner. In the future, with windfall debris and lack of lichen, the caribou will go to high elevations sooner. It is important to identify high elevation range and start to rehabilitate the lower elevation habitat areas. Caribou are using regenerating harvest blocks as they stay in lichen longer than MPB affected areas. There is a project looking at adaptive management in lichen areas.

c. PAG members asked about wolf populations and their effects on caribou. Scott noted that methods to lower wolf populations are being implemented through local trapping in specific areas. The intervention involved the removal of wolves in specific areas where caribou are migrating between high elevation habitats and calving areas in the spring. Ongoing research will take a more clinical approach and focus on 1 or 2 trappers in 1 or 2 caribou herd areas in conjunction with habitat restoration. In some herd areas, moose tags have been added to decrease the moose population.

d. What are the effects of snow machines on caribou? One report exists with findings from an intensive use area that shows an effect. The Recovery Action Plan process will consider all aspects of land use.

e. How are the Recovery Action Plan recommendations being incorporated into the SFM Plan? The Recovery Action Plan is published but not signed off by government. It covers a number of herds. It contains recommendations to government. The Forest Stewardship Plans for Canfor and BCTS include resultant strategies that follow the recommendations in the Recovery Action Plan. Also, the Species At Risk order is in place for the northern caribou herds and the recovery plan is used to meet that order. The intent of the Recovery Action Plan is to treat High Elevation Winter Range like a leave area with no industrial activity and

Mackenzie SFMP PAG Meeting Summary – February 10, 2010

a suggestion to limit recreation use as well. Management practices in the low elevation areas will be distributed in a certain frequency.

f. What SFM Indicators can be found in this research? Habitat indicators – current status is known and can be used to develop habitat supply indicators in the SFM Plan.

g. Are existing Best Management Practices (BMP) effective? A process for assessing effectiveness of BMP's in ungulate winter ranges is being developed. The current studies inform the existing processes like location of Ungulate Winter Range and the development of strategies in the Recovery Action Plan.

h. Scott McNay can be reached at the following email address:
scott.mcnay@wildlifeinformatics.com

9. Review of Mackenzie LRMP Objectives & Comparison to CSA Core Indicators

1. Darwyn Koch provided the PAG with a review of the Mackenzie LRMP objectives and a comparison to the new CSA SFM Core Indicators.

2. Discussion:

a. Pg 2; It was noted that the new CSA Standard does not specifically reference indicators to address damage or disturbance from past resource development activities

b. Pg 5; LRMP objectives for Access are considered out of scope in the SFM Plan.

10. Indicator #11 - Peak Flow

1. Darwyn Koch provided an overview on the new “spreadsheet” approach that the plan proponents will be using to calculate Peak Flow Index in watersheds containing active roads and blocks.

2. The LSC will initially report on the baseline Peak Flow Index for each watershed in the DFA and annually report out on the Peak Flow Index within those watersheds with active roads and blocks.

3. Copies of watershed-level maps are available to the PAG.

11. Indicator #4 - Productive Ecosystem Representation

1. Current Indicator: Percent productive forest by BEC variant represented within the non-harvestable land base. Target: To Be Established. Variance: To Be Established

2. Recommended Indicator Statement: Percent productive forest by BEC variant represented within the non-harvestable land base. Target: as per SFM Plan Table 9: Productive Forest Ecosystem by BEC (Page 53). Variance: 0

3. Discussion

Mackenzie SFMP PAG Meeting Summary – February 10, 2010

a. LSC Comments: This indicator was previously discussed at the PAG meeting on May 26, 2009. Targets have yet to be established for this indicator. Proposed targets for each BEC variant are presented below.

BEC Variant	DFA Area (ha)	THLB Area (ha)	THLB Percent of DFA (%)	NHLB Area (ha)	NHLB Percent of DFA (%)	Proposed Target (%)
AT	137,420	64	0.0%	553	0.4%	0.4%
BWBS dk1	129,526	76,054	58.7%	46,110	35.6%	35.6%
BWBS mw1	10,247	3,689	36.0%	5,953	58.1%	58.1%
BWBS wk2	21,097	12,442	59.0%	7,641	36.2%	36.2%
ESSF mv2	10,880	6,205	57.0%	3,873	35.6%	35.6%
ESSF mv3	314,568	200,277	63.7%	92,126	29.3%	29.3%
ESSF mv4	330,448	113,448	34.3%	152,437	46.1%	46.1%
ESSF mvp	92,940	2,489	2.7%	18,608	20.0%	20.0%
ESSF wc3	174,961	46,040	26.3%	68,444	39.1%	39.1%
ESSF wcp	58,320	1,359	2.3%	8,187	14.0%	14.0%
ESSF wk2	111,798	62,900	56.3%	39,488	35.3%	35.3%
SBS mk1	257,289	189,083	73.5%	41,785	16.2%	16.2%
SBS mk2	175,296	115,469	65.9%	37,831	21.6%	21.6%
SBS vk	6,720	4,798	71.4%	1,819	27.1%	27.1%
SBS wk1	8,872	6,766	76.3%	1,257	14.2%	14.2%
SBS wk2	226,617	154,520	68.2%	57,015	25.2%	25.2%
SBS mk	14,672	5,105	34.8%	7,201	49.1%	49.1%

b. The LSC doesn't see an issue with the current representation of undisturbed BEC variants in the DFA that would require setting targets beyond what is currently in the NHLB.

c. The non-harvestable landbase (NHLB) is large in the DFA with adequate representation of undisturbed BEC variants across the DFA.

d. The NHLB also includes representation in parks / OGMA's etc

e. There will still be NHLB found in Wildlife Tree Retention (WTR) areas

f. Retention contributions from OGMA's and VQOs are tracked separately and are cumulative to these proposed targets.

4. PAG consensus on LSC recommendation to revise Indicator #4 to *Percent productive forest by BEC variant represented within the non-harvestable land base. Target: as per SFM Plan Table 9: Productive Forest Ecosystem by BEC (Page 53). Variance: 0*

12. Other

1. No additional agenda topics.

13. Actions updated

1. See Action Table (below)

Mackenzie SFMP PAG Meeting Summary – February 10, 2010

2. Action ID - April 29-03: Ongoing.
3. Action ID - April 29-04: Ongoing.
4. Action ID - May 27-03: Deadline changed to March 31, 2010.
5. Action ID – May 26-04: LSC to review Productive Forest Representation indicator with the PAG and reset targets by March 31, 2010. Topic discussed at this meeting. Action completed.
6. Action ID – May 26-05: LSC to present Peak Flow Index targets and new indicator recommendations to PAG by March 31, 2010. Topic discussed at this meeting. Action completed.
7. Action ID – Oct 14-01: LSC to review LRMP objectives and compare to the new Core Indicators and present to the PAG with the completion of the revised SFM Plan by March 31, 2010. Topic discussed at this meeting. Action completed.
8. Action ID – Dec 15-01: Facilitator to send out a notice to the PAG about the opportunity to meet with the Auditor on January 13, 2010. Action completed.
9. Action ID – Dec 15-02: Facilitator to circulate the Mugaha Marsh Bird Banding Station Annual Report and PowerPoint presentation to PAG members. Action completed.
10. Action ID – Dec 15-03: LSC to add definitions for “active” forest operation to the indicator text in the SFM plan.
11. Action ID – Dec 15-04: LSC to add definitions for 1) Operational Plans, 2) tactical plans, and 3) site plans to the SFM glossary.
12. Action ID – Dec 15-05: LSC to retro-fit the wording for indicators where the phrase “the percentage of operational concerns” is used to be consistent with the revised wording: “operational and / or tactical plans”.
- 14. PAG Meeting Feedback (PAG questionnaire):** Mackenzie SFMP PAG questionnaire distributed, completed, and collected.

15. Next meeting:

Date to be determined

10:00 AM – 4:00 PM

Mackenzie Recreation Centre – Conference Room (2nd Floor)

Agenda: Updating the Mackenzie SFM Plan

Mackenzie SFMP PAG Meeting Summary – February 10, 2010

16.Actions

ID#	ACTION	WHO	DEADLINE	STATUS
April 29-03	Work with PAG representatives and others in the community to find new/replacement PAG representatives.	Licensee Steering Committee	Next Meeting	Ongoing
April 29-04	Investigate the possibility of Green Energy participating in the Mackenzie SFM process.	Licensee Steering Committee	Next Meeting	Ongoing
May 27-03	Add a non-timber benefits issue to the Continuous Improvement Matrix.	Licensee Steering Committee	March 31, 2010.	Ongoing
May 26-04	Review Productive Forest Representation indicator with the PAG and reset targets.	Licensee Steering Committee	March 31, 2010.	Completed
May 26-05	Present Peak Flow Index targets and new indicator recommendations to PAG	Licensee Steering Committee	March 31, 2010.	Completed
Oct 14-01	Review LRMP objectives and compare to the new Core Indicators and present to the PAG with the completion of the revised SFM Plan.	Licensee Steering Committee	March 31, 2010.	Completed
Dec 15-01	Send out a notice to the PAG about the opportunity to meet with the Auditor on January 13, 2010.	Facilitator	ASAP	Completed
Dec 15-02	Circulate the Mugaha Marsh Bird Banding Station Annual Report and PowerPoint presentation to PAG members.	Facilitator	Before next meeting	Completed
Dec 15-03	Add definitions for “active” forest operation to the indicator text in the SFM plan.	Licensee Steering Committee	March 31, 2010.	Completed
Dec 15-04	Add definitions for 1) Operational Plans, 2) tactical plans, and 3) site plans to the SFM glossary.	Licensee Steering Committee	March 31, 2010.	Completed
Dec 15-05	Retro-fit the wording for indicators where the phrase “the percentage of operational concerns” is used to be consistent with the revised wording: “operational and / or tactical plans”.	Licensee Steering Committee	March 31, 2010.	Completed
Feb 10-01	Modify future correspondence with PAG members to include the following: In the body of the email/letter, highlight key issues to be discussed at the meeting, also, make follow-up phone calls to PAG members to inform them directly about the issues being discussed at the meeting.	Facilitator	March 31, 2010.	
Feb 10-02	Contact lapsed PAG members by letter to inform them of their status, explain the process of replacement and ask if they can recommend new representatives for their interest area.	Facilitator	March 31, 2010.	

Mackenzie SFMP PAG Meeting Summary – February 10, 2010

ID#	ACTION	WHO	DEADLINE	STATUS
Feb 10-03	Add clarification to Table 3 in the SFM Plan regarding the LRMP Resource Management Zone designations.	Licensee Steering Committee	March 31, 2010.	Completed



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

Public Advisory Group

Summary of Comments from May 26, 2009 PAG meeting

Meetings

- Good information provided, good networking.

Facilitator

- Well versed in info, tries to get best out of group, keeps group moving.
- Printer/photocopier for handouts should be available

Meeting Logistics

- Good

Your Suggestions

- Make sure can access info requested, maybe try to see if issues may (?) up or have some presentations set-up.
- Need MoF and MoE representatives



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

Public Advisory Group

Summary of Comments from June 24, 2009 PAG meeting

Meetings

- Good discussion.

Facilitator

- Always does a good job.



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

Public Advisory Group

Summary of Comments from October 14, 2009 PAG meeting

Meeting Logistics

- need gourmet coffee – expresso.

Your Suggestions

- more PAG attendance



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

Public Advisory Group

Summary of Comments from December 15, 2009 PAG meeting

“Meetings”

- Great discussion with the SFM plan.

“Facilitator”

- Guided the discussion in a positive manner.



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

Public Advisory Group

Summary of Comments from February 10, 2010 PAG meeting

“Your Suggestions”

- Communications – discussed during meeting and will be followed up.

“Facilitator”

- Approval of previous minutes should have been discussed on that task, not a debate on PAG attendance.



Mackenzie SFMP



**Public Advisory Group
February 10/10 - Questionnaire**

Using the following scale of 1-5, please evaluate the Mackenzie SFMP Public Advisory Group process.

1=very poor, 2=poor, 3=average, 4=good, 5=very good

Meetings

Meetings had:

1. an agenda pre-published? _____
 2. most members involved? _____
 3. Steering Committee advisors prepared? _____
 4. followed the PAG Terms of Reference? _____
 5. actions updated? _____
 6. time allocated wisely? _____
 7. decisions summarized? _____
 8. focus on consensus decision making? _____
 9. a positive atmosphere? _____
- Your overall satisfaction with the
10. amount & timing of information presented? _____
 11. meetings _____
 12. PAG process _____
- Comments: _____
- _____
- _____

Facilitator

The facilitator:

1. strived for consensus decision-making? _____
 2. kept the meeting focused? _____
 3. kept the meeting moving? _____
 4. remained neutral on content issues? _____
 5. encouraged open communication? _____
 6. tolerated and addressed conflict? _____
 7. obtained technical expertise (when needed)? _____
 8. kept meeting records? _____
 9. actively listened? _____
 10. came prepared and organized? _____
- Comments: _____
- _____
- _____

Meetings Logistics

1. Was the meeting location convenient? _____
 2. Was the timing of the meeting convenient? _____
 3. Was the meeting room adequate? _____
 4. Was the food and beverage good? _____
- Comments: _____
- _____
- _____

Your Suggestions

Please list three things that the Steering Committee can improve upon for subsequent PAG meetings:

1. _____
2. _____
3. _____

General Comments (please write on back)

Please indicate who you are:

- Public First Nation
 Advisor Observer Other



Mackenzie SFMP



**Public Advisory Group
February 10/10 - Questionnaire**

Using the following scale of 1-5, please evaluate the Mackenzie SFMP Public Advisory Group process.

1=very poor, 2=poor, 3=average, 4=good, 5=very good

Meetings

Meetings had:

1. an agenda pre-published? _____
 2. most members involved? _____
 3. Steering Committee advisors prepared? _____
 4. followed the PAG Terms of Reference? _____
 5. actions updated? _____
 6. time allocated wisely? _____
 7. decisions summarized? _____
 8. focus on consensus decision making? _____
 9. a positive atmosphere? _____
- Your overall satisfaction with the
10. amount & timing of information presented? _____
 11. meetings _____
 12. PAG process _____
- Comments: _____
- _____
- _____

Facilitator

The facilitator:

1. strived for consensus decision-making? _____
 2. kept the meeting focused? _____
 3. kept the meeting moving? _____
 4. remained neutral on content issues? _____
 5. encouraged open communication? _____
 6. tolerated and addressed conflict? _____
 7. obtained technical expertise (when needed)? _____
 8. kept meeting records? _____
 9. actively listened? _____
 10. came prepared and organized? _____
- Comments: _____
- _____
- _____

Meetings Logistics

1. Was the meeting location convenient? _____
 2. Was the timing of the meeting convenient? _____
 3. Was the meeting room adequate? _____
 4. Was the food and beverage good? _____
- Comments: _____
- _____
- _____

Your Suggestions

Please list three things that the Steering Committee can improve upon for subsequent PAG meetings:

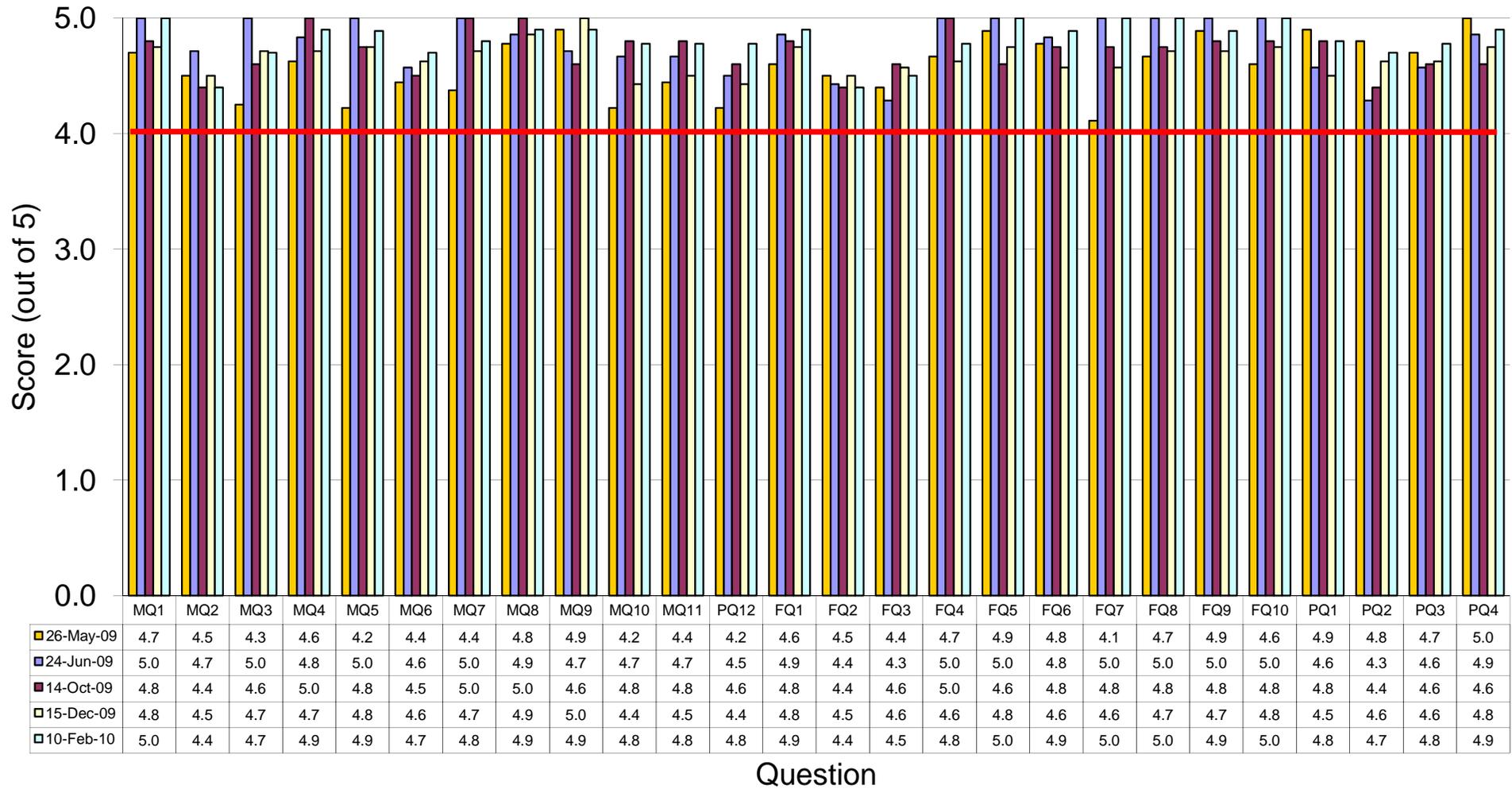
1. _____
2. _____
3. _____

General Comments (please write on back)

Please indicate who you are:

- Public First Nation
 Advisor Observer Other

Mackenzie SFMP PAG Meeting Evaluation Summary 2009-10





Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

Letters of Invitation

During the 2009-10 Fiscal Year there were no:

- Letters of Invitation
- Advertisements and Articles

Mackenzie SFMP Public Advisory Group

(as of March 31, 2010)

Sector:	Representative	Alternate
Academia		
Agriculture/Ranching	Ken Reiersen	
Contractors – Forestry		
Environment/ Conservation	Vi Lambie	Ryan Bichon
First Nations		
General Public	Tom Briggs	
Germansen Landing	Nancy Perreault	
Labour – CEP		
Labour – PPWC		
Local Government	Stephanie Killam	Warren Waycheshen
McLeod Lake Indian Band	Keinan Carty	Lionel Chingee
Mining/Oil & Gas	Tom Michael	
Noostel Keyoh	Jim Besherse	Sadie Jarvis
Public Health & Safety	MaryAnne Arcand	Keith Playfair
Recreation – Commercial		
Recreation – Non-commercial	Vida Tattrie	Aaron Snively
Recreation – Non-commercial (motorized)	Mike Broadbent	
Saulteau First Nation	Chief Harley Davis	Monica Rice
Small Business – Germansen Landing	Janet Besherse	Don Jarvis
Small Business – Mackenzie	Bruce Bennett	
Small Community	Mary Reiersen	
Trapping	Lawrence Napier	Josef Kollbrand
West Moberly First Nation	Teena Demeulemeester	Max Desjarlais
Woodlot	Ron Crosby	

Mac PAG ongoing mailing list

12/03/2010

Last Name	First Name	Community	Mailing Address	Postal Code
Arcand	MaryAnne	Prince George, BC		
Asp	Chief Jerry	Telegraph Creek, BC	Box 46	V0J 2W0
Bennet	Bruce	Mackenzie, BC	Box 955, 300 Oslinka Blvd.	V0J 2C0
Benson	Chief Rena	Kitwanga, BC	PO Box 128	V0J 2A0
Besherse	Janet	Germansen Landing, BC	General Delivery	V0J 1T0
Besherse	Jim	Germansen Landing, BC	General Delivery	V0J 1T0
Bichon	Ryan	McLeod Lake, BC	General Delivery	V0J 2G0
Botrakoff	Mel	Mackenzie, BC	P.O. Bag 340, 1 Mackenzie Boulevard	V0J 2C0
Briggs	Tom	Mackenzie, BC	Box 966	V0J 2C0
Broadbent	Mike	Mackenzie, BC	PO Box 398 Osilinka St.	V0J 2C0
Brookfield	Edward	Prince George, BC	Apt. 11 - 1839 1st Ave.	
Carty	Keinan	McLeod Lake, BC	General Delivery	V0J 2G0
Crosby	Ron	Mackenzie, BC	Box 454	V0J 2C0
Davis	Chief Harley	Moberly Lake, BC	PO Box 330	V0C 1X0
Demeulemeester	Teena	Moberly Lake, BC	PO Box 90	V0C 1X0
Desjarlais	Max	Moberly Lake, BC	PO Box 90	V0C 1X0
French	Chief John	Prince George, BC	#345 1460 Sixth Avenue	V0L 3N2
Jarvis	Don	Prince George, BC	5570 Reed Lake Road	V2K 5N8
Jarvis	Sadie	Prince George, BC	5570 Reed Lake Road	V2K 5N8
Jeans	Dave	Mackenzie, BC	Box 2220	V0J 2C0
Koch	Darwyn			
Kollbrand	Josef	Mackenzie, BC	PO Box 1679	V0J 2C0
Kuzio, R.P.F.	Shaun	Mackenzie, BC	Box 250, FFI Road	V0J 2C0
Lambie	Vi	Mackenzie, BC	PO Box 1598	V0J 2C0
McLeod	Kelsey	Wonowon, BC	PO Box 59	V0C 2N0
Michael	Tom	Mackenzie, BC	Bag Service 4000	V0J 2C0
Orr	Chief Derek	McLeod Lake, BC	General Delivery	V0J 2G0
Perreault	Nancy	Germansen Landing, BC	Bag 24	V0J 1T0

Last Name	First Name	Community	Mailing Address	Postal Code
Pierre	Chief Johnny	Prince George, BC	Band office, #11 - 1839 First Ave	V2L 2Y8
Playfair	Keith	Prince George, BC		
PPWC (Local 18)		Mackenzie, BC	PO Box 398 Osilinka St.	VOJ 2C0
Reierson	Ken	Germansen Landing, BC	Box 2	VOJ 1T0
Reierson	Mary	Germansen Landing, BC	Box 2	VOJ 1T0
Schneider	Michael	Prince George, BC	PO Box 405	V2L 4S2
Scholefield	Scott			
Sinclair	Brent	Mackenzie, BC	Box 1276, 35 Pine Cres.	V0C 2C0
Snively	Aaron	Mackenzie, BC	Box 701	VOJ 2C0
Snively	Micheline			
Steffey	Ronald	Germansen Landing, BC	General Delivery	VOJ 1T0
Szekely	Dan			
Tattrie	Vida	Mackenzie, BC	Box 1008	VOJ 2C0
Thomas	Chief Leonard	Fort St James, BC	P.O. Box 1329	VOJ 1P0
Vander Maaten	Judi	Mackenzie, BC	Bag 340, 60 Centennial Dr.	VOJ 2C0
VanSomer	Chief Donny	Prince George, BC	Kwadacha Band Office, #207 513 Abou Street	V2M 3R8
Walter	Todd			
Waycheshen	Warren	Mackenzie, BC	Bag 340, 60 Centennial Dr.	VOJ 2C0
Weaver	Rob	Mackenzie, BC	PO Box 1143	VOJ 2C0
Whitford	Chief Ed	Wonowon, BC	PO Box 59	V0C 2N0
Willson	Chief Roland	Moberly Lake, BC	PO Box 90	V0C 1X0



Mackenzie SFMP



March 12, 2010

Chief Dolly Abraham
Takla Lake First Nation
General Delivery
Takla Landing, BC V0J 1T0

Dear Chief Abraham;

Here is the draft meeting summary from the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting. I have also included the final version of the December 15th, 2009 PAG Meeting Summary and a copy of Scott McNay's presentation on the Omineca Northern Caribou Project (delivered at the February 10th Meeting).

The next Mackenzie PAG meeting will be held in May or June 2010. A meeting notice and agenda will be sent out in April.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 12, 2010

Chief Dennis Izony
Tsay Keh Dene Band
Apt. 11 - 1839 1st Ave.
Prince George BC V2L 2Y8

Dear Chief Izony;

Here is the draft meeting summary from the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting. I have also included the final version of the December 15th, 2009 PAG Meeting Summary and a copy of Scott McNay's presentation on the Omineca Northern Caribou Project (delivered at the February 10th Meeting).

The next Mackenzie PAG meeting will be held in May or June 2010. A meeting notice and agenda will be sent out in April.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 12, 2010

Chief Derek Orr
McLeod Lake First Nation
General Delivery
McLeod Lake, BC, V0J 2G0

Dear Chief Orr;

Here is the draft meeting summary from the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting. I have also included the final version of the December 15th, 2009 PAG Meeting Summary and a copy of Scott McNay's presentation on the Omineca Northern Caribou Project (delivered at the February 10th Meeting).

The next Mackenzie PAG meeting will be held in May or June 2010. A meeting notice and agenda will be sent out in April.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 12, 2010

Chief Donny VanSomer
Kwadacha Band Office
#207 513 Aubau St.
Prince George, BC V2M 3R8

Dear Chief VanSomer;

Here is the draft meeting summary from the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting. I have also included the final version of the December 15th, 2009 PAG Meeting Summary and a copy of Scott McNay's presentation on the Omineca Northern Caribou Project (delivered at the February 10th Meeting).

The next Mackenzie PAG meeting will be held in May or June 2010. A meeting notice and agenda will be sent out in April.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 12, 2010

Chief Ed Whitford
Halfway River First Nation
PO Box 59
Wonowon, BC V0C 2N0

Dear Chief Whitford;

Here is the draft meeting summary from the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting. I have also included the final version of the December 15th, 2009 PAG Meeting Summary and a copy of Scott McNay's presentation on the Omineca Northern Caribou Project (delivered at the February 10th Meeting).

The next Mackenzie PAG meeting will be held in May or June 2010. A meeting notice and agenda will be sent out in April.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 12, 2010

Chief Fred Sam
Nak'azdli First Nation
P.O. Box 1329
Ft. St. James, BC V0J 1P0

Dear Chief Sam;

Here is the draft meeting summary from the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting. I have also included the final version of the December 15th, 2009 PAG Meeting Summary and a copy of Scott McNay's presentation on the Omineca Northern Caribou Project (delivered at the February 10th Meeting).

The next Mackenzie PAG meeting will be held in May or June 2010. A meeting notice and agenda will be sent out in April.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 12, 2010

Chief Harley Davis
Saulteau First Nations
PO Box 330
Moberly Lake, BC V0C 1X0

Dear Chief Davis;

Here is the draft meeting summary from the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting. I have also included the final version of the December 15th, 2009 PAG Meeting Summary and a copy of Scott McNay's presentation on the Omineca Northern Caribou Project (delivered at the February 10th Meeting).

The next Mackenzie PAG meeting will be held in May or June 2010. A meeting notice and agenda will be sent out in April.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 12, 2010

Chief Jerry Asp
Tahltan First Nation
Box 46
Telegraph Creek, BC V0J 2W0

Dear Chief Asp;

Here is the draft meeting summary from the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting. I have also included the final version of the December 15th, 2009 PAG Meeting Summary and a copy of Scott McNay's presentation on the Omineca Northern Caribou Project (delivered at the February 10th Meeting).

The next Mackenzie PAG meeting will be held in May or June 2010. A meeting notice and agenda will be sent out in April.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 12, 2010

Chief Rena Benson
Gitksan Nation (Nii Kyap)
PO Box 128
Kitwanga, BC V0J 2A0

Dear Chief Benson;

Here is the draft meeting summary from the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting. I have also included the final version of the December 15th, 2009 PAG Meeting Summary and a copy of Scott McNay's presentation on the Omineca Northern Caribou Project (delivered at the February 10th Meeting).

The next Mackenzie PAG meeting will be held in May or June 2010. A meeting notice and agenda will be sent out in April.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 12, 2010

Chief Roland Willson
West Moberly First Nation
PO Box 90
Moberly Lake, BC V0C 1X0

Dear Chief Willson;

Here is the draft meeting summary from the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting. I have also included the final version of the December 15th, 2009 PAG Meeting Summary and a copy of Scott McNay's presentation on the Omineca Northern Caribou Project (delivered at the February 10th Meeting).

The next Mackenzie PAG meeting will be held in May or June 2010. A meeting notice and agenda will be sent out in April.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



February 1, 2010

Chief Dolly Abraham
Takla Lake First Nation
General Delivery
Takla Landing, BC V0J 1T0

Dear Chief Abraham;

The next meeting of the Mackenzie PAG is Wednesday, February 10, 2010.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will review the updated Mackenzie SFM Plan. Scott McNay from Wildlife Infometrics will present an update on the Mackenzie TSA Caribou Project.

The following documents are attached:

- A draft Agenda,
- Draft Minutes from the December 15th Mackenzie PAG meeting
- Mugaha Marsh Breeding Station presentation (presented at the December 15th meeting by Vi Lambie)

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, February 5, 2010, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



February 1, 2010

Chief Derek Orr
McLeod Lake First Nation
General Delivery
McLeod Lake, BC, V0J 2G0

Dear Chief Orr;

The next meeting of the Mackenzie PAG is Wednesday, February 10, 2010.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will review the updated Mackenzie SFM Plan. Scott McNay from Wildlife Infometrics will present an update on the Mackenzie TSA Caribou Project.

The following documents are attached:

- A draft Agenda,
- Draft Minutes from the December 15th Mackenzie PAG meeting
- Mugaha Marsh Breeding Station presentation (presented at the December 15th meeting by Vi Lambie)

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, February 5, 2010, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



February 1, 2010

Chief Donny VanSomer
Kwadacha Band Office
#207 513 Aubau St.
Prince George, BC V2M 3R8

Dear Chief VanSomer;

The next meeting of the Mackenzie PAG is Wednesday, February 10, 2010.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will review the updated Mackenzie SFM Plan. Scott McNay from Wildlife Infometrics will present an update on the Mackenzie TSA Caribou Project.

The following documents are attached:

- A draft Agenda,
- Draft Minutes from the December 15th Mackenzie PAG meeting
- Mugaha Marsh Breeding Station presentation (presented at the December 15th meeting by Vi Lambie)

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, February 5, 2010, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



February 1, 2010

Chief Ella Pierre
Tsay Keh Dene Band
Apt. 11 - 1839 1st Ave.
Prince George BC V2L 2Y8

Dear Chief Pierre;

The next meeting of the Mackenzie PAG is Wednesday, February 10, 2010.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will review the updated Mackenzie SFM Plan. Scott McNay from Wildlife Infometrics will present an update on the Mackenzie TSA Caribou Project.

The following documents are attached:

- A draft Agenda,
- Draft Minutes from the December 15th Mackenzie PAG meeting
- Mugaha Marsh Breeding Station presentation (presented at the December 15th meeting by Vi Lambie)

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, February 5, 2010, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



February 1, 2010

Chief Ed Whitford
Halfway River First Nation
PO Box 59
Wonowon, BC V0C 2N0

Dear Chief Whitford;

The next meeting of the Mackenzie PAG is Wednesday, February 10, 2010.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will review the updated Mackenzie SFM Plan. Scott McNay from Wildlife Infometrics will present an update on the Mackenzie TSA Caribou Project.

The following documents are attached:

- A draft Agenda,
- Draft Minutes from the December 15th Mackenzie PAG meeting
- Mugaha Marsh Breeding Station presentation (presented at the December 15th meeting by Vi Lambie)

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, February 5, 2010, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



February 1, 2010

Chief Fred Sam
Nak'azdli First Nation
P.O. Box 1329
Ft. St. James, BC V0J 1P0

Dear Chief Sam;

The next meeting of the Mackenzie PAG is Wednesday, February 10, 2010.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will review the updated Mackenzie SFM Plan. Scott McNay from Wildlife Infometrics will present an update on the Mackenzie TSA Caribou Project.

The following documents are attached:

- A draft Agenda,
- Draft Minutes from the December 15th Mackenzie PAG meeting
- Mugaha Marsh Breeding Station presentation (presented at the December 15th meeting by Vi Lambie)

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, February 5, 2010, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



February 1, 2010

Chief Harley Davis
Saulteau First Nations
PO Box 330
Moberly Lake, BC V0C 1X0

Dear Chief Davis;

The next meeting of the Mackenzie PAG is Wednesday, February 10, 2010.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will review the updated Mackenzie SFM Plan. Scott McNay from Wildlife Infometrics will present an update on the Mackenzie TSA Caribou Project.

The following documents are attached:

- A draft Agenda,
- Draft Minutes from the December 15th Mackenzie PAG meeting
- Mugaha Marsh Breeding Station presentation (presented at the December 15th meeting by Vi Lambie)
- Mackenzie Nature Observatory 2009 Annual Report

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, February 5, 2010, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



February 1, 2010

Chief Jerry Asp
Tahltan First Nation
Box 46
Telegraph Creek, BC V0J 2W0

Dear Chief Asp;

The next meeting of the Mackenzie PAG is Wednesday, February 10, 2010.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will review the updated Mackenzie SFM Plan. Scott McNay from Wildlife Infometrics will present an update on the Mackenzie TSA Caribou Project.

The following documents are attached:

- A draft Agenda,
- Draft Minutes from the December 15th Mackenzie PAG meeting
- Mugaha Marsh Breeding Station presentation (presented at the December 15th meeting by Vi Lambie)

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, February 5, 2010, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



February 1, 2010

Chief Rena Benson
Gitksan Nation (Nii Kyap)
PO Box 128
Kitwanga, BC V0J 2A0

Dear Chief Benson;

The next meeting of the Mackenzie PAG is Wednesday, February 10, 2010.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will review the updated Mackenzie SFM Plan. Scott McNay from Wildlife Infometrics will present an update on the Mackenzie TSA Caribou Project.

The following documents are attached:

- A draft Agenda,
- Draft Minutes from the December 15th Mackenzie PAG meeting
- Mugaha Marsh Breeding Station presentation (presented at the December 15th meeting by Vi Lambie)

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, February 5, 2010, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



February 1, 2010

Chief Roland Willson
West Moberly First Nation
PO Box 90
Moberly Lake, BC V0C 1X0

Dear Chief Willson;

The next meeting of the Mackenzie PAG is Wednesday, February 10, 2010.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will review the updated Mackenzie SFM Plan. Scott McNay from Wildlife Infometrics will present an update on the Mackenzie TSA Caribou Project.

The following documents are attached:

- A draft Agenda,
- Draft Minutes from the December 15th Mackenzie PAG meeting
- Mugaha Marsh Breeding Station presentation (presented at the December 15th meeting by Vi Lambie)

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, February 5, 2010, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



December 9, 2009

Chief Dolly Abraham
Takla Lake First Nation
General Delivery
Takla Landing, BC V0J 1T0

Dear Chief Abraham;

The next meeting of the Mackenzie PAG is Tuesday, December 15, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current plan to the new CSA standard.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the October 14th Mackenzie PAG meeting,

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, December 11, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



December 9, 2009

Chief Derek Orr
McLeod Lake First Nation
General Delivery
McLeod Lake, BC, V0J 2G0

Dear Chief Orr;

The next meeting of the Mackenzie PAG is Tuesday, December 15, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current plan to the new CSA standard.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the October 14th Mackenzie PAG meeting,

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, December 11, 2009, if you plan on attending this meeting.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



December 9, 2009

Chief Donny VanSomer
Kwadacha Band Office
#207 513 Aubau St.
Prince George, BC V2M 3R8

Dear Chief VanSomer;

The next meeting of the Mackenzie PAG is Tuesday, December 15, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current plan to the new CSA standard.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the October 14th Mackenzie PAG meeting,

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, December 11, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



December 9, 2009

Chief Ella Pierre
Tsay Keh Dene Band
Apt. 11 - 1839 1st Ave.
Prince George BC V2L 2Y8

Dear Chief Pierre;

The next meeting of the Mackenzie PAG is Tuesday, December 15, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current plan to the new CSA standard.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the October 14th Mackenzie PAG meeting,

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, December 11, 2009, if you plan on attending this meeting.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



December 9, 2009

Chief Ed Whitford
Halfway River First Nation
PO Box 59
Wonowon, BC V0C 2N0

Dear Chief Whitford;

The next meeting of the Mackenzie PAG is Tuesday, December 15, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current plan to the new CSA standard.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the October 14th Mackenzie PAG meeting,

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, December 11, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



December 9, 2009

Chief Fred Sam
Nak'azdli First Nation
P.O. Box 1329
Ft. St. James, BC V0J 1P0

Dear Chief Sam;

The next meeting of the Mackenzie PAG is Tuesday, December 15, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current plan to the new CSA standard.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the October 14th Mackenzie PAG meeting,

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, December 11, 2009, if you plan on attending this meeting.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



December 9, 2009

Chief Harley Davis
Saulteau First Nations
PO Box 330
Moberly Lake, BC V0C 1X0

Dear Chief Davis;

The next meeting of the Mackenzie PAG is Tuesday, December 15, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current plan to the new CSA standard.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the October 14th Mackenzie PAG meeting,

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, December 11, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



December 9, 2009

Chief Jerry Asp
Tahltan First Nation
Box 46
Telegraph Creek, BC V0J 2W0

Dear Chief Asp;

The next meeting of the Mackenzie PAG is Tuesday, December 15, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current plan to the new CSA standard.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the October 14th Mackenzie PAG meeting,

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, December 11, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



December 9, 2009

Chief Rena Benson
Gitksan Nation (Nii Kyap)
PO Box 128
Kitwanga, BC V0J 2A0

Dear Chief Benson;

The next meeting of the Mackenzie PAG is Tuesday, December 15, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current plan to the new CSA standard.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the October 14th Mackenzie PAG meeting,

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, December 11, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



December 9, 2009

Chief Roland Willson
West Moberly First Nation
PO Box 90
Moberly Lake, BC V0C 1X0

Dear Chief Willson;

The next meeting of the Mackenzie PAG is Tuesday, December 15, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current plan to the new CSA standard.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the October 14th Mackenzie PAG meeting,

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, December 11, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



September 29, 2009

Chief Dolly Abraham
Takla Lake First Nation
General Delivery
Takla Landing, BC V0J 1T0

Dear Chief Abraham;

The next meeting of the Mackenzie PAG is Wednesday, October 14, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current SFM plan to the new CSA standard.

Beryl Nesbit from ILMB will also be in attendance to update the PAG on the implementation of the Spatial Old Growth Management Areas within the Mackenzie TSA.

A draft agenda is attached along with the draft minutes of the June 24th PAG meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, October 9, 2009, if you plan on attending this meeting.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



September 29, 2009

Chief Derek Orr
McLeod Lake First Nation
General Delivery
McLeod Lake, BC, V0J 2G0

Dear Chief Orr;

The next meeting of the Mackenzie PAG is Wednesday, October 14, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current SFM plan to the new CSA standard.

Beryl Nesbit from ILMB will also be in attendance to update the PAG on the implementation of the Spatial Old Growth Management Areas within the Mackenzie TSA.

A draft agenda is attached along with the draft minutes of the June 24th PAG meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, October 9, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



September 29, 2009

Chief Donny VanSomer
Kwadacha Band Office
#207 513 Aubau St.
Prince George, BC V2M 3R8

Dear Chief VanSomer;

The next meeting of the Mackenzie PAG is Wednesday, October 14, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current SFM plan to the new CSA standard.

Beryl Nesbit from ILMB will also be in attendance to update the PAG on the implementation of the Spatial Old Growth Management Areas within the Mackenzie TSA.

A draft agenda is attached along with the draft minutes of the June 24th PAG meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, October 9, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



September 29, 2009

Chief Ella Pierre
Tsay Keh Dene Band
Apt. 11 - 1839 1st Ave.
Prince George BC V2L 2Y8

Dear Chief Pierre;

The next meeting of the Mackenzie PAG is Wednesday, October 14, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current SFM plan to the new CSA standard.

Beryl Nesbit from ILMB will also be in attendance to update the PAG on the implementation of the Spatial Old Growth Management Areas within the Mackenzie TSA.

A draft agenda is attached along with the draft minutes of the June 24th PAG meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, October 9, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



September 29, 2009

Chief Ed Whitford
Halfway River First Nation
PO Box 59
Wonowon, BC V0C 2N0

Dear Chief Whitford;

The next meeting of the Mackenzie PAG is Wednesday, October 14, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current SFM plan to the new CSA standard.

Beryl Nesbit from ILMB will also be in attendance to update the PAG on the implementation of the Spatial Old Growth Management Areas within the Mackenzie TSA.

A draft agenda is attached along with the draft minutes of the June 24th PAG meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, October 9, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



September 29, 2009

Chief Fred Sam
Nak'azdli First Nation
P.O. Box 1329
Ft. St. James, BC V0J 1P0

Dear Chief Sam;

The next meeting of the Mackenzie PAG is Wednesday, October 14, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current SFM plan to the new CSA standard.

Beryl Nesbit from ILMB will also be in attendance to update the PAG on the implementation of the Spatial Old Growth Management Areas within the Mackenzie TSA.

A draft agenda is attached along with the draft minutes of the June 24th PAG meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, October 9, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



September 29, 2009

Chief Harley Davis
Saulteau First Nations
PO Box 330
Moberly Lake, BC V0C 1X0

Dear Chief Davis;

The next meeting of the Mackenzie PAG is Wednesday, October 14, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current SFM plan to the new CSA standard.

Beryl Nesbit from ILMB will also be in attendance to update the PAG on the implementation of the Spatial Old Growth Management Areas within the Mackenzie TSA.

A draft agenda is attached along with the draft minutes of the June 24th PAG meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, October 9, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



September 29, 2009

Chief Jerry Asp
Tahltan First Nation
Box 46
Telegraph Creek, BC V0J 2W0

Dear Chief Asp;

The next meeting of the Mackenzie PAG is Wednesday, October 14, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current SFM plan to the new CSA standard.

Beryl Nesbit from ILMB will also be in attendance to update the PAG on the implementation of the Spatial Old Growth Management Areas within the Mackenzie TSA.

A draft agenda is attached along with the draft minutes of the June 24th PAG meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, October 9, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



September 29, 2009

Chief Rena Benson
Gitxsan Nation (Nii Kyap)
PO Box 128
Kitwanga, BC V0J 2A0

Dear Chief Benson;

The next meeting of the Mackenzie PAG is Wednesday, October 14, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current SFM plan to the new CSA standard.

Beryl Nesbit from ILMB will also be in attendance to update the PAG on the implementation of the Spatial Old Growth Management Areas within the Mackenzie TSA.

A draft agenda is attached along with the draft minutes of the June 24th PAG meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, October 9, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



September 29, 2009

Chief Roland Willson
West Moberly First Nation
PO Box 90
Moberly Lake, BC V0C 1X0

Dear Chief Willson;

The next meeting of the Mackenzie PAG is Wednesday, October 14, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current SFM plan to the new CSA standard.

Beryl Nesbit from ILMB will also be in attendance to update the PAG on the implementation of the Spatial Old Growth Management Areas within the Mackenzie TSA.

A draft agenda is attached along with the draft minutes of the June 24th PAG meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, October 9, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



June 15, 2009

Chief Dolly Abraham
Takla Lake First Nation
General Delivery
Takla Landing, BC V0J 1T0

Dear Chief Abraham;

The next meeting of the Mackenzie PAG is Wednesday, June 24, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be continuing to update the Mackenzie SFM Plan.

A draft agenda is attached along with the draft minutes of the May 26th PAG meeting.
A copy of the most recent Mackenzie TSA Forest Health Strategy is also attached.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, June 19, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



June 15, 2009

Chief Derek Orr
McLeod Lake First Nation
General Delivery
McLeod Lake, BC, V0J 2G0

Dear Chief Orr;

The next meeting of the Mackenzie PAG is Wednesday, June 24, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be continuing to update the Mackenzie SFM Plan.

A draft agenda is attached along with the draft minutes of the May 26th PAG meeting.
A copy of the most recent Mackenzie TSA Forest Health Strategy is also attached.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, June 19, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



June 15, 2009

Chief Donny VanSomer
Kwadacha Band Office
#207 513 Aubau St.
Prince George, BC V2M 3R8

Dear Chief VanSomer;

The next meeting of the Mackenzie PAG is Wednesday, June 24, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be continuing to update the Mackenzie SFM Plan.

A draft agenda is attached along with the draft minutes of the May 26th PAG meeting.
A copy of the most recent Mackenzie TSA Forest Health Strategy is also attached.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, June 19, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



June 15, 2009

Chief Ella Pierre
Tsay Keh Dene Band
Apt. 11 - 1839 1st Ave.
Prince George BC V2L 2Y8

Dear Chief Pierre;

The next meeting of the Mackenzie PAG is Wednesday, June 24, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be continuing to update the Mackenzie SFM Plan.

A draft agenda is attached along with the draft minutes of the May 26th PAG meeting.
A copy of the most recent Mackenzie TSA Forest Health Strategy is also attached.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, June 19, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



June 15, 2009

Chief Ed Whitford
Halfway River First Nation
PO Box 59
Wonowon, BC V0C 2N0

Dear Chief Whitford;

The next meeting of the Mackenzie PAG is Wednesday, June 24, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be continuing to update the Mackenzie SFM Plan.

A draft agenda is attached along with the draft minutes of the May 26th PAG meeting.
A copy of the most recent Mackenzie TSA Forest Health Strategy is also attached.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, June 19, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



June 15, 2009

Chief Fred Sam
Nak'azdli First Nation
P.O. Box 1329
Ft. St. James, BC V0J 1P0

Dear Chief Sam;

The next meeting of the Mackenzie PAG is Wednesday, June 24, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be continuing to update the Mackenzie SFM Plan.

A draft agenda is attached along with the draft minutes of the May 26th PAG meeting.
A copy of the most recent Mackenzie TSA Forest Health Strategy is also attached.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, June 19, 2009, if you plan on attending this meeting.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



June 15, 2009

Chief Harley Davis
Saulteau First Nations
PO Box 330
Moberly Lake, BC V0C 1X0

Dear Chief Davis;

The next meeting of the Mackenzie PAG is Wednesday, June 24, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be continuing to update the Mackenzie SFM Plan.

A draft agenda is attached along with the draft minutes of the May 26th PAG meeting.
A copy of the most recent Mackenzie TSA Forest Health Strategy is also attached.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, June 19, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



June 15, 2009

Chief Jerry Asp
Tahltan First Nation
Box 46
Telegraph Creek, BC V0J 2W0

Dear Chief Asp;

The next meeting of the Mackenzie PAG is Wednesday, June 24, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be continuing to update the Mackenzie SFM Plan.

A draft agenda is attached along with the draft minutes of the May 26th PAG meeting.
A copy of the most recent Mackenzie TSA Forest Health Strategy is also attached.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, June 19, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



June 15, 2009

Chief Rena Benson
Gitksan Nation (Nii Kyap)
PO Box 128
Kitwanga, BC V0J 2A0

Dear Chief Benson;

The next meeting of the Mackenzie PAG is Wednesday, June 24, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be continuing to update the Mackenzie SFM Plan.

A draft agenda is attached along with the draft minutes of the May 26th PAG meeting.
A copy of the most recent Mackenzie TSA Forest Health Strategy is also attached.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, June 19, 2009, if you plan on attending this meeting.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



June 15, 2009

Chief Roland Willson
West Moberly First Nation
PO Box 90
Moberly Lake, BC V0C 1X0

Dear Chief Willson;

The next meeting of the Mackenzie PAG is Wednesday, June 24, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be continuing to update the Mackenzie SFM Plan.

A draft agenda is attached along with the draft minutes of the May 26th PAG meeting.
A copy of the most recent Mackenzie TSA Forest Health Strategy is also attached.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, June 19, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



May 14, 2009

Chief Dolly Abraham
Takla Lake First Nation
General Delivery
Takla Landing, BC V0J 1T0

Dear Chief Abraham;

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be the review of the 2008-09 Annual Report. At the meeting, the Steering Committee will also communicate to the PAG their intended direction for the current SFM Plan and the PAG will begin the process of aligning the current plan to the new CSA standard. You can download your copy from CSA's website: <http://www.shopcsa.ca/onlinestore/GetCatalogItemDetails.asp?mat=2419617>. Scroll down to the bottom of this web page to locate the download button. Annex C (page 75) has summary information of key changes from the 02 version to this one.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the January 21st Mackenzie PAG meeting,
- The most recent Canfor and BCTS audit reports referenced at the January 21st Mackenzie PAG meeting.

At the January 21st Mackenzie PAG meeting, Canfor and BCTS were asked to provide copies of the Caribou Management Strategies they use in forest operations. Both BCTS and Canfor have committed to follow the recommendations of the Northern Caribou Recovery Action Plan. Here is a link to the digital version of this Action Plan: <http://www.forrex.org/publications/FORREXSeries/fs22.pdf>. If you would prefer a hard copy please RSVP and let me know.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



May 14, 2009

Chief Derek Orr
McLeod Lake Indian Band
General Delivery
McLeod Lake, BC, V0J 2G0

Dear Chief Orr;

Mackenzie SFM Plan PAG meetings are scheduled for Tuesday, May 26 and Wednesday, June 24.

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be the review of the 2008-09 Annual Report. At the meeting, the Steering Committee will also communicate to the PAG their intended direction for the current SFM Plan and the PAG will begin the process of aligning the current plan to the new CSA standard. You can download your copy from CSA's website: <http://www.shopcsa.ca/onlinestore/GetCatalogItemDetails.asp?mat=2419617>. Scroll down to the bottom of this web page to locate the download button. Annex C (page 75) has summary information of key changes from the 02 version to this one.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the January 21st Mackenzie PAG meeting,
- The most recent Canfor and BCTS audit reports referenced at the January 21st Mackenzie PAG meeting.

At the January 21st Mackenzie PAG meeting, Canfor and BCTS were asked to provide copies of the Caribou Management Strategies they use in forest operations. Both BCTS and Canfor have committed to follow the recommendations of the Northern Caribou Recovery Action Plan. Here is a link to the digital version of this Action Plan: <http://www.forrex.org/publications/FORREXSeries/fs22.pdf>. If you would prefer a hard copy please RSVP and let me know.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



May 14, 2009

Chief Donny VanSomer
Kwadacha Band Office
#207 513 Aubau St.
Prince George, BC V2M 3R8

Dear Chief VanSomer;

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be the review of the 2008-09 Annual Report. At the meeting, the Steering Committee will also communicate to the PAG their intended direction for the current SFM Plan and the PAG will begin the process of aligning the current plan to the new CSA standard. You can download your copy from CSA's website: <http://www.shopcsa.ca/onlinestore/GetCatalogItemDetails.asp?mat=2419617>. Scroll down to the bottom of this web page to locate the download button. Annex C (page 75) has summary information of key changes from the 02 version to this one.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the January 21st Mackenzie PAG meeting,
- The most recent Canfor and BCTS audit reports referenced at the January 21st Mackenzie PAG meeting.

At the January 21st Mackenzie PAG meeting, Canfor and BCTS were asked to provide copies of the Caribou Management Strategies they use in forest operations. Both BCTS and Canfor have committed to follow the recommendations of the Northern Caribou Recovery Action Plan. Here is a link to the digital version of this Action Plan: <http://www.forrex.org/publications/FORREXSeries/fs22.pdf>. If you would prefer a hard copy please RSVP and let me know.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



May 14, 2009

Chief Ella Pierre
Tsay Keh Dene Band
Apt. 11 - 1839 1st Ave.
Prince George BC V2L 2Y8

Dear Chief Pierre;

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be the review of the 2008-09 Annual Report. At the meeting, the Steering Committee will also communicate to the PAG their intended direction for the current SFM Plan and the PAG will begin the process of aligning the current plan to the new CSA standard. You can download your copy from CSA's website: <http://www.shopcsa.ca/onlinestore/GetCatalogItemDetails.asp?mat=2419617>. Scroll down to the bottom of this web page to locate the download button. Annex C (page 75) has summary information of key changes from the 02 version to this one.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the January 21st Mackenzie PAG meeting,
- The most recent Canfor and BCTS audit reports referenced at the January 21st Mackenzie PAG meeting.

At the January 21st Mackenzie PAG meeting, Canfor and BCTS were asked to provide copies of the Caribou Management Strategies they use in forest operations. Both BCTS and Canfor have committed to follow the recommendations of the Northern Caribou Recovery Action Plan. Here is a link to the digital version of this Action Plan: <http://www.forrex.org/publications/FORREXSeries/fs22.pdf>. If you would prefer a hard copy please RSVP and let me know.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



May 14, 2009

Chief Ed Whitford
Halfway River First Nation
PO Box 59
Wonowon, BC V0C 2N0

Dear Chief Whitford;

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be the review of the 2008-09 Annual Report. At the meeting, the Steering Committee will also communicate to the PAG their intended direction for the current SFM Plan and the PAG will begin the process of aligning the current plan to the new CSA standard. You can download your copy from CSA's website: <http://www.shopcsa.ca/onlinestore/GetCatalogItemDetails.asp?mat=2419617>. Scroll down to the bottom of this web page to locate the download button. Annex C (page 75) has summary information of key changes from the 02 version to this one.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the January 21st Mackenzie PAG meeting,
- The most recent Canfor and BCTS audit reports referenced at the January 21st Mackenzie PAG meeting.

At the January 21st Mackenzie PAG meeting, Canfor and BCTS were asked to provide copies of the Caribou Management Strategies they use in forest operations. Both BCTS and Canfor have committed to follow the recommendations of the Northern Caribou Recovery Action Plan. Here is a link to the digital version of this Action Plan: <http://www.forrex.org/publications/FORREXSeries/fs22.pdf>. If you would prefer a hard copy please RSVP and let me know.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



May 14, 2009

Chief Fred Sam
Nak'azdli First Nation
P.O. Box 1329
Ft. St. James, BC V0J 1P0

Dear Chief Sam;

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be the review of the 2008-09 Annual Report. At the meeting, the Steering Committee will also communicate to the PAG their intended direction for the current SFM Plan and the PAG will begin the process of aligning the current plan to the new CSA standard. You can download your copy from CSA's website: <http://www.shopcsa.ca/onlinestore/GetCatalogItemDetails.asp?mat=2419617>. Scroll down to the bottom of this web page to locate the download button. Annex C (page 75) has summary information of key changes from the 02 version to this one.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the January 21st Mackenzie PAG meeting,
- The most recent Canfor and BCTS audit reports referenced at the January 21st Mackenzie PAG meeting.

At the January 21st Mackenzie PAG meeting, Canfor and BCTS were asked to provide copies of the Caribou Management Strategies they use in forest operations. Both BCTS and Canfor have committed to follow the recommendations of the Northern Caribou Recovery Action Plan. Here is a link to the digital version of this Action Plan: <http://www.forrex.org/publications/FORREXSeries/fs22.pdf>. If you would prefer a hard copy please RSVP and let me know.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



May 14, 2009

Chief Harley Davis
Saulteau First Nations
PO Box 330
Moberly Lake, BC V0C 1X0

Dear Chief Davis;

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be the review of the 2008-09 Annual Report. At the meeting, the Steering Committee will also communicate to the PAG their intended direction for the current SFM Plan and the PAG will begin the process of aligning the current plan to the new CSA standard. You can download your copy from CSA's website: <http://www.shopcsa.ca/onlinestore/GetCatalogItemDetails.asp?mat=2419617>. Scroll down to the bottom of this web page to locate the download button. Annex C (page 75) has summary information of key changes from the 02 version to this one.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the January 21st Mackenzie PAG meeting,
- The most recent Canfor and BCTS audit reports referenced at the January 21st Mackenzie PAG meeting.

At the January 21st Mackenzie PAG meeting, Canfor and BCTS were asked to provide copies of the Caribou Management Strategies they use in forest operations. Both BCTS and Canfor have committed to follow the recommendations of the Northern Caribou Recovery Action Plan. Here is a link to the digital version of this Action Plan: <http://www.forrex.org/publications/FORREXSeries/fs22.pdf>. If you would prefer a hard copy please RSVP and let me know.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



May 14, 2009

Chief Jerry Asp
Tahltan First Nation
Box 46
Telegraph Creek, BC V0J 2W0

Dear Chief Asp;

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be the review of the 2008-09 Annual Report. At the meeting, the Steering Committee will also communicate to the PAG their intended direction for the current SFM Plan and the PAG will begin the process of aligning the current plan to the new CSA standard. You can download your copy from CSA's website: <http://www.shopcsa.ca/onlinestore/GetCatalogItemDetails.asp?mat=2419617>. Scroll down to the bottom of this web page to locate the download button. Annex C (page 75) has summary information of key changes from the 02 version to this one.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the January 21st Mackenzie PAG meeting,
- The most recent Canfor and BCTS audit reports referenced at the January 21st Mackenzie PAG meeting.

At the January 21st Mackenzie PAG meeting, Canfor and BCTS were asked to provide copies of the Caribou Management Strategies they use in forest operations. Both BCTS and Canfor have committed to follow the recommendations of the Northern Caribou Recovery Action Plan. Here is a link to the digital version of this Action Plan: <http://www.forrex.org/publications/FORREXSeries/fs22.pdf>. If you would prefer a hard copy please RSVP and let me know.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



May 14, 2009

Chief Rena Benson
Gitxsan Nation (Nii Kyap)
PO Box 128
Kitwanga, BC V0J 2A0

Dear Chief Benson;

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be the review of the 2008-09 Annual Report. At the meeting, the Steering Committee will also communicate to the PAG their intended direction for the current SFM Plan and the PAG will begin the process of aligning the current plan to the new CSA standard. You can download your copy from CSA's website: <http://www.shopcsa.ca/onlinestore/GetCatalogItemDetails.asp?mat=2419617>. Scroll down to the bottom of this web page to locate the download button. Annex C (page 75) has summary information of key changes from the 02 version to this one.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the January 21st Mackenzie PAG meeting,
- The most recent Canfor and BCTS audit reports referenced at the January 21st Mackenzie PAG meeting.

At the January 21st Mackenzie PAG meeting, Canfor and BCTS were asked to provide copies of the Caribou Management Strategies they use in forest operations. Both BCTS and Canfor have committed to follow the recommendations of the Northern Caribou Recovery Action Plan. Here is a link to the digital version of this Action Plan: <http://www.forrex.org/publications/FORREXSeries/fs22.pdf>. If you would prefer a hard copy please RSVP and let me know.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



May 14, 2009

Chief Roland Willson
West Moberly First Nation
PO Box 90
Moberly Lake, BC V0C 1X0

Dear Chief Willson;

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be the review of the 2008-09 Annual Report. At the meeting, the Steering Committee will also communicate to the PAG their intended direction for the current SFM Plan and the PAG will begin the process of aligning the current plan to the new CSA standard. You can download your copy from CSA's website: <http://www.shopcsa.ca/onlinestore/GetCatalogItemDetails.asp?mat=2419617>. Scroll down to the bottom of this web page to locate the download button. Annex C (page 75) has summary information of key changes from the 02 version to this one.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the January 21st Mackenzie PAG meeting,
- The most recent Canfor and BCTS audit reports referenced at the January 21st Mackenzie PAG meeting.

At the January 21st Mackenzie PAG meeting, Canfor and BCTS were asked to provide copies of the Caribou Management Strategies they use in forest operations. Both BCTS and Canfor have committed to follow the recommendations of the Northern Caribou Recovery Action Plan. Here is a link to the digital version of this Action Plan: <http://www.forrex.org/publications/FORREXSeries/fs22.pdf>. If you would prefer a hard copy please RSVP and let me know.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



April 28, 2009

Chief Dolly Abraham
Takla Lake First Nation
General Delivery
Takla Landing, BC V0J 1T0

Dear Chief Abraham;

Mackenzie SFM Plan PAG meetings are scheduled for Tuesday, May 26 and Wednesday, June 24.

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The Steering Committee is planning to host six (6) PAG meetings this fiscal. The focus for the first meeting (May 26) will be the review of the 2008-09 Annual Report.

Further to this, the Steering Committee would like to take this opportunity to communicate to the PAG our intended direction for the current SFMP. Due to unforeseen circumstances Canfor, BCTS, and Abitibi will not be combining SFMPs into one plan for the Mackenzie Forest District. Alternatively, Canfor and BCTS will be working with the PAG on revising the existing plan. Additional information will be distributed prior to the meeting.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



April 28, 2009

Chief Derek Orr
McLeod Lake Indian Band
General Delivery
McLeod Lake, BC, V0J 2G0

Dear Chief Orr;

Mackenzie SFM Plan PAG meetings are scheduled for Tuesday, May 26 and Wednesday, June 24.

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The Steering Committee is planning to host six (6) PAG meetings this fiscal. The focus for the first meeting (May 26) will be the review of the 2008-09 Annual Report.

Further to this, the Steering Committee would like to take this opportunity to communicate to the PAG our intended direction for the current SFMP. Due to unforeseen circumstances Canfor, BCTS, and Abitibi will not be combining SFMPs into one plan for the Mackenzie Forest District. Alternatively, Canfor and BCTS will be working with the PAG on revising the existing plan. Additional information will be distributed prior to the meeting.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



April 28, 2009

Chief Donny VanSomer
Kwadacha Band Office
#207 513 Aubau St.
Prince George, BC V2M 3R8

Dear Chief VanSomer;

Mackenzie SFM Plan PAG meetings are scheduled for Tuesday, May 26 and Wednesday, June 24.

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The Steering Committee is planning to host six (6) PAG meetings this fiscal. The focus for the first meeting (May 26) will be the review of the 2008-09 Annual Report.

Further to this, the Steering Committee would like to take this opportunity to communicate to the PAG our intended direction for the current SFMP. Due to unforeseen circumstances Canfor, BCTS, and Abitibi will not be combining SFMPs into one plan for the Mackenzie Forest District. Alternatively, Canfor and BCTS will be working with the PAG on revising the existing plan. Additional information will be distributed prior to the meeting.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



April 28, 2009

Chief Ella Pierre
Tsay Keh Dene Band
Apt. 11 - 1839 1st Ave.
Prince George BC V2L 2Y8

Dear Chief Pierre;

Mackenzie SFM Plan PAG meetings are scheduled for Tuesday, May 26 and Wednesday, June 24.

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The Steering Committee is planning to host six (6) PAG meetings this fiscal. The focus for the first meeting (May 26) will be the review of the 2008-09 Annual Report.

Further to this, the Steering Committee would like to take this opportunity to communicate to the PAG our intended direction for the current SFMP. Due to unforeseen circumstances Canfor, BCTS, and Abitibi will not be combining SFMPs into one plan for the Mackenzie Forest District. Alternatively, Canfor and BCTS will be working with the PAG on revising the existing plan. Additional information will be distributed prior to the meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



April 28, 2009

Chief Ed Whitford
Halfway River First Nation
PO Box 59
Wonowon, BC V0C 2N0

Dear Chief Whitford;

Mackenzie SFM Plan PAG meetings are scheduled for Tuesday, May 26 and Wednesday, June 24.

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The Steering Committee is planning to host six (6) PAG meetings this fiscal. The focus for the first meeting (May 26) will be the review of the 2008-09 Annual Report.

Further to this, the Steering Committee would like to take this opportunity to communicate to the PAG our intended direction for the current SFMP. Due to unforeseen circumstances Canfor, BCTS, and Abitibi will not be combining SFMPs into one plan for the Mackenzie Forest District. Alternatively, Canfor and BCTS will be working with the PAG on revising the existing plan. Additional information will be distributed prior to the meeting.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



April 28, 2009

Chief Fred Sam
Nak'azdli First Nation
P.O. Box 1329
Ft. St. James, BC V0J 1P0

Dear Chief Sam;

Mackenzie SFM Plan PAG meetings are scheduled for Tuesday, May 26 and Wednesday, June 24.

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The Steering Committee is planning to host six (6) PAG meetings this fiscal. The focus for the first meeting (May 26) will be the review of the 2008-09 Annual Report.

Further to this, the Steering Committee would like to take this opportunity to communicate to the PAG our intended direction for the current SFMP. Due to unforeseen circumstances Canfor, BCTS, and Abitibi will not be combining SFMPs into one plan for the Mackenzie Forest District. Alternatively, Canfor and BCTS will be working with the PAG on revising the existing plan. Additional information will be distributed prior to the meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



April 28, 2009

Chief Harley Davis
Saulteau First Nations
PO Box 330
Moberly Lake, BC V0C 1X0

Dear Chief Davis;

Mackenzie SFM Plan PAG meetings are scheduled for Tuesday, May 26 and Wednesday, June 24.

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The Steering Committee is planning to host six (6) PAG meetings this fiscal. The focus for the first meeting (May 26) will be the review of the 2008-09 Annual Report.

Further to this, the Steering Committee would like to take this opportunity to communicate to the PAG our intended direction for the current SFMP. Due to unforeseen circumstances Canfor, BCTS, and Abitibi will not be combining SFMPs into one plan for the Mackenzie Forest District. Alternatively, Canfor and BCTS will be working with the PAG on revising the existing plan. Additional information will be distributed prior to the meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



April 28, 2009

Chief Jerry Asp
Tahltan First Nation
Box 46
Telegraph Creek, BC V0J 2W0

Dear Chief Asp;

Mackenzie SFM Plan PAG meetings are scheduled for Tuesday, May 26 and Wednesday, June 24.

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The Steering Committee is planning to host six (6) PAG meetings this fiscal. The focus for the first meeting (May 26) will be the review of the 2008-09 Annual Report.

Further to this, the Steering Committee would like to take this opportunity to communicate to the PAG our intended direction for the current SFMP. Due to unforeseen circumstances Canfor, BCTS, and Abitibi will not be combining SFMPs into one plan for the Mackenzie Forest District. Alternatively, Canfor and BCTS will be working with the PAG on revising the existing plan. Additional information will be distributed prior to the meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



April 28, 2009

Chief Rena Benson
Gitksan Nation (Nii Kyap)
PO Box 128
Kitwanga, BC V0J 2A0

Dear Chief Benson;

Mackenzie SFM Plan PAG meetings are scheduled for Tuesday, May 26 and Wednesday, June 24.

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The Steering Committee is planning to host six (6) PAG meetings this fiscal. The focus for the first meeting (May 26) will be the review of the 2008-09 Annual Report.

Further to this, the Steering Committee would like to take this opportunity to communicate to the PAG our intended direction for the current SFMP. Due to unforeseen circumstances Canfor, BCTS, and Abitibi will not be combining SFMPs into one plan for the Mackenzie Forest District. Alternatively, Canfor and BCTS will be working with the PAG on revising the existing plan. Additional information will be distributed prior to the meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



April 28, 2009

Chief Roland Willson
West Moberly First Nation
PO Box 90
Moberly Lake, BC V0C 1X0

Dear Chief Willson;

Mackenzie SFM Plan PAG meetings are scheduled for Tuesday, May 26 and Wednesday, June 24.

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The Steering Committee is planning to host six (6) PAG meetings this fiscal. The focus for the first meeting (May 26) will be the review of the 2008-09 Annual Report.

Further to this, the Steering Committee would like to take this opportunity to communicate to the PAG our intended direction for the current SFMP. Due to unforeseen circumstances Canfor, BCTS, and Abitibi will not be combining SFMPs into one plan for the Mackenzie Forest District. Alternatively, Canfor and BCTS will be working with the PAG on revising the existing plan. Additional information will be distributed prior to the meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Dwight Wolfe <dwight.wolfe@tesera.com>

Mac PAG: Draft meeting summary from the February 10, 2010 Mackenzie PAG meeting

Dwight Wolfe <dwight.wolfe@tesera.com>

Fri, Mar 12, 2010 at 10:36 AM

Cc: "Koch, Darwyn FOR:EX" <Darwyn.Koch@gov.bc.ca>, "Szekely, Dan" <Dan.Szekely@canfor.com>
Bcc: Aaron Snively <asnive@hotmail.com>, Brent Sinclair <sinclairb@mackbc.com>, Chief Harley Davis <hdavis@saulteau.com>, Chief Jerry Asp <pjerryasp@hotmail.com>, Dave Jeans <r19ddt@telus.net>, Edward Brookfield <edwardbrookfield304@gmail.com>, Ingo Hinz <Ingo.Hinz@canfor.com>, Jim & Janet Besherse <jbesherse@xplornet.com>, Josef Kollbrand <joskoll@telus.net>, Judi Vander Maaten <Judi@district.mackenzie.bc.ca>, Keinan Carty <kcarty@milib.ca>, Keith Playfair <Playfair@bctrucksafe.org>, Kelsey McLeod <kelsey_mcleod@yahoo.ca>, Ken & Mary Reiersen <momsfunnyfarm@xplornet.com>, Lawrence Napier <napierlr@hotmail.com>, MaryAnne Arcand <maryanne@cila.ca>, Mel Botrakoff <mel@district.mackenzie.bc.ca>, Michael Schneider <michael@going-fishing.com>, Micheline Snively <msnive@hotmail.com>, Mike Broadbent <mrstar58@telus.net>, "PPWC (Local 18)" <ppwc18@persona.ca>, Rob Weaver <weaver00@telus.net>, Ron Crosby <crosbyr@cnc.bc.ca>, Ron Steffey <moosevalley@xplornet.com>, Ryan Bichon <rbichon@milib.ca>, Scott Scholefield <Scott.Scholefield@gov.bc.ca>, Shaun Kuzio <Shaun.Kuzio@abitibowater.com>, Stephanie Killam <stephanie@district.mackenzie.bc.ca>, Teena Demeulemeester <Forestry@westmo.org>, Todd Walter <twalter@bpei.ca>, Tom and Karen Briggs <teekay74@telus.net>, Vi Lambie <jlambie@telus.net>, Vida Tattrie <vireo@mackbc.com>, Warren Waycheshen <info@district.mackenzie.bc.ca>

Hi Folks,

Here is the draft meeting summary from the February 10, 2010 Mackenzie PAG meeting.

I have also included the final version of the December 15th, 2009 PAG Meeting Summary and a copy of Scott McNay's presentation on the Omineca Northern Caribou Project (delivered at the February 10th Meeting).

The next Mackenzie PAG meeting will be held in May or June 2010.

A meeting notice and agenda will be sent out in April.

Sincerely,

DSW

--

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager
Tesera Systems Inc.
250.614.3122 tel
866.698.8789 toll free
250.564.0393 fax
www.tesera.com

Cochrane	Prince George
403.932.0445 tel	250.614.3122 tel
403.932.9395 fax	250.564.0393 fax
Box 1078, Cochrane, AB, T4C 1B1	Box 2130, Prince George, BC, V2N 2J6

This e-mail message is intended only for the person or entity to which it is addressed and is confidential, subject to copyright and may be legally privileged. Any unauthorized review, use or disclosure is prohibited. If you received this in error, please contact the sender and delete all copies of the e-mail together with any attachments.

3 attachments



PAG Meeting Summary - February 10, 2010 draft.pdf
248K



PAG Meeting Summary - December 15, 2009 final.pdf
227K



Omineca_Northern_Caribou_Project_021010.pdf
3904K



Mackenzie SFMP



March 12, 2010

Bruce Bennett
Box 955
Mackenzie, BC
V0J 2C0

Dear Bruce;

Here is the draft meeting summary from the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting. I have also included the final version of the December 15th, 2009 PAG Meeting Summary and a copy of Scott McNay's presentation on the Omineca Northern Caribou Project (delivered at the February 10th Meeting).

The next Mackenzie PAG meeting will be held in May or June 2010. A meeting notice and agenda will be sent out in April.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 12, 2010

Jim & Janet Besherse
General Delivery
Germansen Landing, BC V0J 1T0

Dear Jim and Janet;

Here is the draft meeting summary from the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting. I have also included the final version of the December 15th, 2009 PAG Meeting Summary and a copy of Scott McNay's presentation on the Omineca Northern Caribou Project (delivered at the February 10th Meeting).

The next Mackenzie PAG meeting will be held in May or June 2010. A meeting notice and agenda will be sent out in April.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 12, 2010

Max Desjarlais
West Moberly First Nation
PO Box 90
Moberly Lake, BC V0C 1X0

Dear Max;

Here is the draft meeting summary from the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting. I have also included the final version of the December 15th, 2009 PAG Meeting Summary and a copy of Scott McNay's presentation on the Omineca Northern Caribou Project (delivered at the February 10th Meeting).

The next Mackenzie PAG meeting will be held in May or June 2010. A meeting notice and agenda will be sent out in April.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 12, 2010

Don & Sadie Jarvis
5570 Reed Lake Road
Prince George BC
V2K 5N8

Dear Don & Sadie;

Here is the draft meeting summary from the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting. I have also included the final version of the December 15th, 2009 PAG Meeting Summary and a copy of Scott McNay's presentation on the Omineca Northern Caribou Project (delivered at the February 10th Meeting).

The next Mackenzie PAG meeting will be held in May or June 2010. A meeting notice and agenda will be sent out in April.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 12, 2010

Tom Michael
Bag Service 4000
Mackenzie, BC
V0J 2C0

Dear Tom;

Here is the draft meeting summary from the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting. I have also included the final version of the December 15th, 2009 PAG Meeting Summary and a copy of Scott McNay's presentation on the Omineca Northern Caribou Project (delivered at the February 10th Meeting).

The next Mackenzie PAG meeting will be held in May or June 2010. A meeting notice and agenda will be sent out in April.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 12, 2010

Nancy Perreault
Bag 24
Germansen Landing, BC
VOJ 1T0

Dear Nancy;

Here is the draft meeting summary from the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting. I have also included the final version of the December 15th, 2009 PAG Meeting Summary and a copy of Scott McNay's presentation on the Omineca Northern Caribou Project (delivered at the February 10th Meeting).

The next Mackenzie PAG meeting will be held in May or June 2010. A meeting notice and agenda will be sent out in April.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 10, 2010

Mary Anne Arcand
BC Forest Safety Council
Suite 1501 - 700 West Pender Street
Vancouver, BC
V6C 1G8

Dear Mary Anne;

At the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting, the subject of inactive PAG representatives was discussed. I have been asked to contact inactive PAG representatives and make them aware of their status.

According to my attendance records, you have not attended a PAG meeting in over three (3) years. The Terms of Reference for the Mackenzie SFM Plan Public Advisory Group states:

...If a PAG representative misses more than two consecutive meetings without a valid reason and without notifying his/her alternate and the facilitator, the Mackenzie SFMP Steering Committee may, based on consultation with the PAG, replace or remove that representative; (Section 6.1.3.f - Responsibilities of PAG Representatives)

The Mackenzie SFMP Steering Committee is currently soliciting expressions of interest from other individuals to represent the *Public Health & Safety* sector on the Mackenzie PAG.

The PAG and the Mackenzie SFMP Steering Committee will be discussing changes in PAG structure, list of interests, and potential members at the next meeting, tentatively planned for May or June 2010

Action Requested: Contact the Facilitator by Wednesday, March 31, 2010 if you wish to remain on the PAG mailing list. If you can recommend a suitable replacement as the sector representative, please pass that person's contact information along to the Facilitator.

On behalf of the Mackenzie SFM Plan Public Advisory Group, I want to thank you for your significant contributions to this process.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
Box 2130, Prince George, BC, V2N 2J6
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 10, 2010

Bruce Bennett
Box 955
Mackenzie, BC
V0J 2C0

Dear Bruce;

At the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting, the subject of inactive PAG representatives was discussed. I have been asked to contact inactive PAG representatives and make them aware of their status.

According to my attendance records, you have not notified the Facilitator of your absence for the last three (3) PAG meetings. The Terms of Reference for the Mackenzie SFM Plan Public Advisory Group states:

...If a PAG representative misses more than two consecutive meetings without a valid reason and without notifying his/her alternate and the facilitator, the Mackenzie SFMP Steering Committee may, based on consultation with the PAG, replace or remove that representative; (Section 6.1.3.f - Responsibilities of PAG Representatives)

The Mackenzie SFMP Steering Committee is currently soliciting expressions of interest from other individuals to represent the *Small Business – Mackenzie* sector on the Mackenzie PAG.

The PAG and the Mackenzie SFMP Steering Committee will be discussing changes in PAG structure, list of interests, and potential members at the next meeting, tentatively planned for May or June 2010.

Action Requested: Contact the Facilitator by Wednesday, March 31, 2010 if you wish to remain on the PAG mailing list. If you can recommend a suitable replacement as the sector representative, please pass that person's contact information along to the Facilitator.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
Box 2130, Prince George, BC, V2N 2J6
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 10, 2010

Jim & Janet Besherse
General Delivery
Germansen Landing, BC
V0J 1T0

Dear Jim & Janet;

At the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting, the subject of inactive PAG representatives was discussed. I have been asked to contact inactive PAG representatives and make them aware of their status.

According to my attendance records, you have not notified the Facilitator of your absence for the last five (5) PAG meetings. The Terms of Reference for the Mackenzie SFM Plan Public Advisory Group states:

...If a PAG representative misses more than two consecutive meetings without a valid reason and without notifying his/her alternate and the facilitator, the Mackenzie SFMP Steering Committee may, based on consultation with the PAG, replace or remove that representative; (Section 6.1.3.f - Responsibilities of PAG Representatives)

The Mackenzie SFMP Steering Committee is currently soliciting expressions of interest from other individuals to represent the *Noostel Keyoh* and *Small Business – Germansen Landing* sectors on the Mackenzie PAG.

The PAG and the Mackenzie SFMP Steering Committee will be discussing changes in PAG structure, list of interests, and potential members at the next meeting, tentatively planned for May or June 2010

Action Requested: Contact the Facilitator by Wednesday, March 31, 2010 if you wish to remain on the PAG mailing list. If you can recommend a suitable replacement as the sector representative, please pass that person's contact information along to the Facilitator.

On behalf of the Mackenzie SFM Plan Public Advisory Group, I want to thank you for your significant contributions to this process.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
Box 2130, Prince George, BC, V2N 2J6
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 10, 2010

Mike Broadbent
PO Box 398
Mackenzie, BC
V0J 2C0

Dear Mike;

At the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting, the subject of inactive PAG representatives was discussed. I have been asked to contact inactive PAG representatives and make them aware of their status.

According to my attendance records, you have not attended a PAG meeting in over three (3) years. The Terms of Reference for the Mackenzie SFM Plan Public Advisory Group states:

...If a PAG representative misses more than two consecutive meetings without a valid reason and without notifying his/her alternate and the facilitator, the Mackenzie SFMP Steering Committee may, based on consultation with the PAG, replace or remove that representative; (Section 6.1.3.f - Responsibilities of PAG Representatives)

The Mackenzie SFMP Steering Committee is currently soliciting expressions of interest from other individuals to represent the *Recreation – Non-commercial (motorized)* sector on the Mackenzie PAG.

The PAG and the Mackenzie SFMP Steering Committee will be discussing changes in PAG structure, list of interests, and potential members at the next meeting, tentatively planned for May or June 2010

Action Requested: Contact the Facilitator by Wednesday, March 31, 2010 if you wish to remain on the PAG mailing list. If you can recommend a suitable replacement as the sector representative, please pass that person's contact information along to the Facilitator.

On behalf of the Mackenzie SFM Plan Public Advisory Group, I want to thank you for your significant contributions to this process.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
Box 2130, Prince George, BC, V2N 2J6
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 10, 2010

Tom Michael
Bag Service 4000
Mackenzie, BC
VOJ 2C0

Dear Tom;

At the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting, the subject of inactive PAG representatives was discussed. I have been asked to contact inactive PAG representatives and make them aware of their status.

According to my attendance records, you have not attended a PAG meeting since March 2007. The Terms of Reference for the Mackenzie SFM Plan Public Advisory Group states:

...If a PAG representative misses more than two consecutive meetings without a valid reason and without notifying his/her alternate and the facilitator, the Mackenzie SFMP Steering Committee may, based on consultation with the PAG, replace or remove that representative; (Section 6.1.3.f - Responsibilities of PAG Representatives)

The Mackenzie SFMP Steering Committee is currently soliciting expressions of interest from other individuals to represent the *Mining/Oil & Gas* sector on the Mackenzie PAG.

The PAG and the Mackenzie SFMP Steering Committee will be discussing changes in PAG structure, list of interests, and potential members at the next meeting, tentatively planned for May or June 2010

Action Requested: Contact the Facilitator by Wednesday, March 31, 2010 if you wish to remain on the PAG mailing list. If you can recommend a suitable replacement as the sector representative, please pass that person's contact information along to the Facilitator.

On behalf of the Mackenzie SFM Plan Public Advisory Group, I want to thank you for your significant contributions to this process.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
Box 2130, Prince George, BC, V2N 2J6
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 10, 2010

Nancy Perreault
Bag 24
Germansen Landing, BC
V0J 1T0

Dear Nancy;

At the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting, the subject of inactive PAG representatives was discussed. I have been asked to contact inactive PAG representatives and make them aware of their status.

According to my attendance records, you have not notified the Facilitator of your absence for the last five (5) PAG meetings. The Terms of Reference for the Mackenzie SFM Plan Public Advisory Group states:

...If a PAG representative misses more than two consecutive meetings without a valid reason and without notifying his/her alternate and the facilitator, the Mackenzie SFMP Steering Committee may, based on consultation with the PAG, replace or remove that representative; (Section 6.1.3.f - Responsibilities of PAG Representatives)

The Mackenzie SFMP Steering Committee is currently soliciting expressions of interest from other individuals to represent the *Germansen Landing* sector on the Mackenzie PAG.

The PAG and the Mackenzie SFMP Steering Committee will be discussing changes in PAG structure, list of interests, and potential members at the next meeting, tentatively planned for May or June 2010

Action Requested: Contact the Facilitator by Wednesday, March 31, 2010 if you wish to remain on the PAG mailing list. If you can recommend a suitable replacement as the sector representative, please pass that person's contact information along to the Facilitator.

On behalf of the Mackenzie SFM Plan Public Advisory Group, I want to thank you for your significant contributions to this process.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
Box 2130, Prince George, BC, V2N 2J6
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 10, 2010

Ken and Mary Reierson
Box 2
Germansen Landing, BC
V0J 1T0

Dear Ken and Mary;

At the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting, the subject of inactive PAG representatives was discussed. I have been asked to contact inactive PAG representatives and make them aware of their status.

According to my attendance records, you have not notified the Facilitator of your absence for the last five (5) PAG meetings. The Terms of Reference for the Mackenzie SFM Plan Public Advisory Group states:

...If a PAG representative misses more than two consecutive meetings without a valid reason and without notifying his/her alternate and the facilitator, the Mackenzie SFMP Steering Committee may, based on consultation with the PAG, replace or remove that representative; (Section 6.1.3.f - Responsibilities of PAG Representatives)

The Mackenzie SFMP Steering Committee is currently soliciting expressions of interest from other individuals to represent the *Agriculture/Ranching* and *Small Community* sectors on the Mackenzie PAG.

The PAG and the Mackenzie SFMP Steering Committee will be discussing changes in PAG structure, list of interests, and potential members at the next meeting, tentatively planned for May or June 2010

Action Requested: Contact the Facilitator by Wednesday, March 31, 2010 if you wish to remain on the PAG mailing list. If you can recommend a suitable replacement as the sector representative, please pass that person's contact information along to the Facilitator.

On behalf of the Mackenzie SFM Plan Public Advisory Group, I want to thank you for your significant contributions to this process.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
Box 2130, Prince George, BC, V2N 2J6
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 10, 2010

Vida Tattrie
Box 1008
Mackenzie, BC
V0J 2C0

Dear Vida;

At the February 10, 2010 Mackenzie Public Advisory Group (PAG) meeting, the subject of inactive PAG representatives was discussed. I have been asked to contact inactive PAG representatives and make them aware of their status.

According to my attendance records, you have not notified the Facilitator of your absence for the last eight (8) PAG meetings. The Terms of Reference for the Mackenzie SFM Plan Public Advisory Group states:

...If a PAG representative misses more than two consecutive meetings without a valid reason and without notifying his/her alternate and the facilitator, the Mackenzie SFMP Steering Committee may, based on consultation with the PAG, replace or remove that representative; (Section 6.1.3.f - Responsibilities of PAG Representatives)

Aaron Snively is the Alternate for the *Recreation – Non-commercial* sector on the PAG and he has been a regular PAG meeting attendee. The PAG and the Mackenzie SFMP Steering Committee will be discussing changes in PAG structure, list of interests, and potential members at the next meeting, tentatively planned for May or June 2010.

The PAG and the Mackenzie SFMP Steering Committee would like to recognise Aaron as the new Representative for the *Recreation – Non-commercial* sector at this meeting

Action Requested: Contact the Facilitator by Wednesday, March 31, 2010 if you wish to remain on the PAG mailing list.

On behalf of the Mackenzie SFM Plan Public Advisory Group, I want to thank you for your significant contributions to this process.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
Box 2130, Prince George, BC, V2N 2J6
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Dwight Wolfe <dwight.wolfe@tesera.com>

Mac PAG: The next meeting of the Mackenzie PAG is Wednesday, February 10, 2010

Dwight Wolfe <dwight.wolfe@tesera.com>

Mon, Feb 1, 2010 at 4:22 PM

Cc: "Szekely, Dan" <Dan.Szekely@canfor.com>, "Koch, Darwyn FOR:EX" <Darwyn.Koch@gov.bc.ca>
Bcc: Aaron Snively <asnive@hotmail.com>, Brent Sinclair <sinclairb@mackbc.com>, Chief Harley Davis <hdavis@saulteau.com>, Chief Jerry Asp <pjerryasp@hotmail.com>, Dave Jeans <r19ddt@telus.net>, Edward Brookfield <edwardbrookfield304@gmail.com>, Ingo Hinz <Ingo.Hinz@canfor.com>, Jim & Janet Besherse <jbesherse@xplornet.com>, Josef Kollbrand <joskoll@telus.net>, Judi Vander Maaten <Judi@district.mackenzie.bc.ca>, Keinan Carty <kcarty@milib.ca>, Keith Playfair <Playfair@bctrucksafe.org>, Kelsey McLeod <kelsey_mcleod@yahoo.ca>, Ken & Mary Reierson <momsfunnyfarm@xplornet.com>, Lawrence Napier <napierlr@hotmail.com>, MaryAnne Arcand <maryanne@cila.ca>, Mel Botrakoff <mel@district.mackenzie.bc.ca>, Michael Schneider <michael@going-fishing.com>, Micheline Snively <msnive@hotmail.com>, Mike Broadbent <mrstar58@telus.net>, "PPWC (Local 18)" <ppwc18@persona.ca>, Rob Weaver <weaver00@telus.net>, Ron Crosby <crosbyr@cnc.bc.ca>, Ron Steffey <moosevalley@xplornet.com>, Ryan Bichon <rbichon@milib.ca>, Scott Scholefield <Scott.Scholefield@gov.bc.ca>, Shaun Kuzio <Shaun.Kuzio@abitibowater.com>, Stephanie Killam <stephanie@district.mackenzie.bc.ca>, Teena Demeulemeester <Forestry@westmo.org>, Todd Walter <twalter@bpei.ca>, Tom and Karen Briggs <teekay74@telus.net>, Vi Lambie <jlambie@telus.net>, Vida Tattrie <vireo@mackbc.com>, Warren Waycheshen <info@district.mackenzie.bc.ca>

Hi Folks,

The next meeting of the Mackenzie PAG is Wednesday, February 10, 2010.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will review the updated Mackenzie SFM Plan. Scott McNay from Wildlife Infometrics will present an update on the Mackenzie TSA Caribou Project.

The following documents are attached:

- A draft Agenda,
- Draft Minutes from the December 15th Mackenzie PAG meeting
- Mugaha Marsh Breeding Station presentation (presented at the December 15th meeting by Vi Lambie)
- Mackenzie Nature Observatory 2009 Annual Report

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, February 5, 2010, if you plan on attending this meeting.

Sincerely,

DSW

--

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager
Tesera Systems Inc.

250.614.3122 tel
866.698.8789 toll free
250.564.0393 fax
www.tesera.com

Cochrane	Prince George
403.932.0445 tel	250.614.3122 tel
403.932.9395 fax	250.564.0393 fax
Box 1078, Cochrane, AB, T4C 1B1	Box 2130, Prince George, BC, V2N 2J6

This e-mail message is intended only for the person or entity to which it is addressed and is confidential, subject to copyright and may be legally privileged. Any unauthorized review, use or disclosure is prohibited. If you received this in error, please contact the sender and delete all copies of the e-mail together with any attachments.

4 attachments

-  **MacPAG agenda_Feb_10_2010_draft.pdf**
117K
 -  **PAG Meeting Summary - December 15, 2009 draft.pdf**
227K
 -  **Mugaha Marsh Banding Station 2009.pdf**
884K
 -  **MNO 2009 Report.pdf**
2805K
-



Mackenzie SFMP



February 1, 2010

Bruce Bennett
Box 955
Mackenzie, BC
V0J 2C0

Dear Bruce;

The next meeting of the Mackenzie PAG is Wednesday, February 10, 2010.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will review the updated Mackenzie SFM Plan. Scott McNay from Wildlife Infometrics will present an update on the Mackenzie TSA Caribou Project.

The following documents are attached:

- A draft Agenda,
- Draft Minutes from the December 15th Mackenzie PAG meeting
- Mugaha Marsh Breeding Station presentation (presented at the December 15th meeting by Vi Lambie)
- Mackenzie Nature Observatory 2009 Annual Report

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, February 5, 2010, if you plan on attending this meeting.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



February 1, 2010

Jim & Janet Besherse
General Delivery
Germansen Landing, BC V0J 1T0

Dear Jim and Janet;

The next meeting of the Mackenzie PAG is Wednesday, February 10, 2010.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will review the updated Mackenzie SFM Plan. Scott McNay from Wildlife Infometrics will present an update on the Mackenzie TSA Caribou Project.

The following documents are attached:

- A draft Agenda,
- Draft Minutes from the December 15th Mackenzie PAG meeting
- Mugaha Marsh Breeding Station presentation (presented at the December 15th meeting by Vi Lambie)
- Mackenzie Nature Observatory 2009 Annual Report

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, February 5, 2010, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



February 1, 2010

Max Desjarlais
West Moberly First Nation
PO Box 90
Moberly Lake, BC V0C 1X0

Dear Max;

The next meeting of the Mackenzie PAG is Wednesday, February 10, 2010.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will review the updated Mackenzie SFM Plan. Scott McNay from Wildlife Infometrics will present an update on the Mackenzie TSA Caribou Project.

The following documents are attached:

- A draft Agenda,
- Draft Minutes from the December 15th Mackenzie PAG meeting
- Mugaha Marsh Breeding Station presentation (presented at the December 15th meeting by Vi Lambie)
- Mackenzie Nature Observatory 2009 Annual Report

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, February 5, 2010, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



February 1, 2010

Don & Sadie Jarvis
5570 Reed Lake Road
Prince George BC
V2K 5N8

Dear Don and Sadie;

The next meeting of the Mackenzie PAG is Wednesday, February 10, 2010.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will review the updated Mackenzie SFM Plan. Scott McNay from Wildlife Infometrics will present an update on the Mackenzie TSA Caribou Project.

The following documents are attached:

- A draft Agenda,
- Draft Minutes from the December 15th Mackenzie PAG meeting
- Mugaha Marsh Breeding Station presentation (presented at the December 15th meeting by Vi Lambie)
- Mackenzie Nature Observatory 2009 Annual Report

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, February 5, 2010, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



February 1, 2010

Tom Michael
Bag Service 4000
Mackenzie, BC
V0J 2C0

Dear Tom;

The next meeting of the Mackenzie PAG is Wednesday, February 10, 2010.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will review the updated Mackenzie SFM Plan. Scott McNay from Wildlife Infometrics will present an update on the Mackenzie TSA Caribou Project.

The following documents are attached:

- A draft Agenda,
- Draft Minutes from the December 15th Mackenzie PAG meeting
- Mugaha Marsh Breeding Station presentation (presented at the December 15th meeting by Vi Lambie)
- Mackenzie Nature Observatory 2009 Annual Report

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, February 5, 2010, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



February 1, 2010

Nancy Perreault
Bag 24
Germansen Landing, BC
VOJ 1T0

Dear Nancy;

The next meeting of the Mackenzie PAG is Wednesday, February 10, 2010.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will review the updated Mackenzie SFM Plan. Scott McNay from Wildlife Infometrics will present an update on the Mackenzie TSA Caribou Project.

The following documents are attached:

- A draft Agenda,
- Draft Minutes from the December 15th Mackenzie PAG meeting
- Mugaha Marsh Breeding Station presentation (presented at the December 15th meeting by Vi Lambie)
- Mackenzie Nature Observatory 2009 Annual Report

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, February 5, 2010, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Dwight Wolfe <dwight.wolfe@tesera.com>

Mac PAG: Interviews with BCTS Sustainable Forest Management Plan Auditor

Dwight Wolfe <dwight.wolfe@tesera.com>

Fri, Jan 15, 2010 at 1:28 PM

Cc: "Koch, Darwyn FOR:EX" <Darwyn.Koch@gov.bc.ca>

Bcc: Ken & Mary Reiersen <momsfunnyfarm@xplornet.com>, Vi Lambie <jlambie@telus.net>, Ryan Bichon <rbichon@milib.ca>, Tom and Karen Briggs <teekay74@telus.net>, Stephanie Killam <stephanie@district.mackenzie.bc.ca>, Warren Waycheshen <warren@district.mackenzie.bc.ca>, Keinan Carty <kcarty@milib.ca>, Jim & Janet Besherse <jbesherse@xplornet.com>, Vida Tattrie <vireo@mackbc.com>, Aaron Snively <asnive@hotmail.com>, Mike Broadbent <mrstar58@telus.net>, Chief Harley Davis <hdavis@saulteau.com>, Monica Rice <mrice@saulteau.com>, Lawrence Napier <napierlr@hotmail.com>, Josef Kollbrand <joskoll@telus.net>, Teena Demeulemeester <Forestry@westmo.org>, Ron Crosby <crosby@cnc.bc.ca>

Hi Folks,

The BCTS re-certification audit for the Mackenzie Defined Forest Area will take place January 27-29, 2010 and the KPMG auditor is available to talk to members of the Mackenzie SFM Plan Public Advisory Group.

If you would like to talk to the auditor, either email them directly at the address below or contact me and I will pass your contact information along. Phone interviews can be scheduled at any time.

Auditor: Craig Roessler - KPMG

Audit dates: January 27-29

Auditor (Craig Roessler) in Mackenzie: January 27-29.

Phone: (604) 691-3115

Email: croessler@kpmg.ca

Sincerely,

DSW

--

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager
Tesera Systems Inc.
250.614.3122 tel
866.698.8789 toll free
250.564.0393 fax
www.tesera.com

Cochrane	Prince George
403.932.0445 tel	250.614.3122 tel
403.932.9395 fax	250.564.0393 fax
Box 1078, Cochrane, AB, T4C 1B1	Box 2130, Prince George, BC, V2N 2J6

This e-mail message is intended only for the person or entity to which it is addressed and is confidential, subject to copyright and may be legally privileged. Any unauthorized review, use or disclosure is prohibited. If you received this in error, please contact the sender and delete all copies of the e-mail together with any attachments.



Mackenzie SFMP



January 15, 2010

Bruce Bennett
Box 955
Mackenzie, BC
V0J 2C0

Dear Bruce;

The BCTS re-certification audit for the Mackenzie Defined Forest Area will take place January 27-29, 2010 and the KPMG auditor is available to talk to members of the Mackenzie SFM Plan Public Advisory Group.

If you would like to talk to the auditor, either email him directly at the address below or contact me and I will pass your contact information along. Phone interviews can be scheduled at any time.

Auditor: Craig Roessler - KPMG

Audit dates: January 27-29

Auditor (Craig Roessler) in Mackenzie: January 27-29.

Phone: (604) 691-3115

Email: croessler@kpmg.ca

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



January 15, 2010

Jim & Janet Besherse
General Delivery
Germansen Landing, BC V0J 1T0

Dear Jim and Janet;

The BCTS re-certification audit for the Mackenzie Defined Forest Area will take place January 27-29, 2010 and the KPMG auditor is available to talk to members of the Mackenzie SFM Plan Public Advisory Group.

If you would like to talk to the auditor, either email him directly at the address below or contact me and I will pass your contact information along. Phone interviews can be scheduled at any time.

Auditor: Craig Roessler - KPMG

Audit dates: January 27-29

Auditor (Craig Roessler) in Mackenzie: January 27-29.

Phone: (604) 691-3115

Email: croessler@kpmg.ca

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



January 15, 2010

Max Desjarlais
West Moberly First Nation
PO Box 90
Moberly Lake, BC V0C 1X0

Dear Max;

The BCTS re-certification audit for the Mackenzie Defined Forest Area will take place January 27-29, 2010 and the KPMG auditor is available to talk to members of the Mackenzie SFM Plan Public Advisory Group.

If you would like to talk to the auditor, either email him directly at the address below or contact me and I will pass your contact information along. Phone interviews can be scheduled at any time.

Auditor: Craig Roessler - KPMG

Audit dates: January 27-29

Auditor (Craig Roessler) in Mackenzie: January 27-29.

Phone: (604) 691-3115

Email: croessler@kpmg.ca

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



January 15, 2010

Don & Sadie Jarvis
5570 Reed Lake Road
Prince George BC
V2K 5N8

Dear Don and Sadie;

The BCTS re-certification audit for the Mackenzie Defined Forest Area will take place January 27-29, 2010 and the KPMG auditor is available to talk to members of the Mackenzie SFM Plan Public Advisory Group.

If you would like to talk to the auditor, either email him directly at the address below or contact me and I will pass your contact information along. Phone interviews can be scheduled at any time.

Auditor: Craig Roessler - KPMG

Audit dates: January 27-29

Auditor (Craig Roessler) in Mackenzie: January 27-29.

Phone: (604) 691-3115

Email: croessler@kpmg.ca

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



January 15, 2010

Tom Michael
Bag Service 4000
Mackenzie, BC
V0J 2C0

Dear Tom;

The BCTS re-certification audit for the Mackenzie Defined Forest Area will take place January 27-29, 2010 and the KPMG auditor is available to talk to members of the Mackenzie SFM Plan Public Advisory Group.

If you would like to talk to the auditor, either email him directly at the address below or contact me and I will pass your contact information along. Phone interviews can be scheduled at any time.

Auditor: Craig Roessler - KPMG

Audit dates: January 27-29

Auditor (Craig Roessler) in Mackenzie: January 27-29.

Phone: (604) 691-3115

Email: croessler@kpmg.ca

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



January 15, 2010

Nancy Perreault
Bag 24
Germansen Landing, BC
VOJ 1T0

Dear Nancy;

The BCTS re-certification audit for the Mackenzie Defined Forest Area will take place January 27-29, 2010 and the KPMG auditor is available to talk to members of the Mackenzie SFM Plan Public Advisory Group.

If you would like to talk to the auditor, either email him directly at the address below or contact me and I will pass your contact information along. Phone interviews can be scheduled at any time.

Auditor: Craig Roessler - KPMG

Audit dates: January 27-29

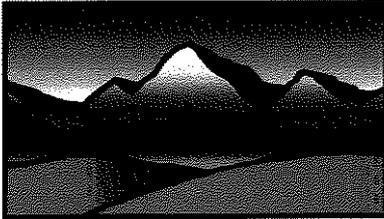
Auditor (Craig Roessler) in Mackenzie: January 27-29.

Phone: (604) 691-3115

Email: croessler@kpmg.ca

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

January 7th, 2010

Bruce Bennett
Box 955
Mackenzie, BC
V0J 2C0

Dear Bruce,

Attached is a draft copy of the newly revised Canfor/BCTS Mackenzie Sustainable Forest Management Plan (SFMP). Based on the hard work completed by the Public Advisory Group (PAG) over the last eight months, a large number of revisions have been made to the SFMP both in format and content. As was discussed at the initiation of this process, the intent of this work was to develop a plan that was more comprehensible and manageable. We believe that we have achieved those objectives.

With the process now complete, we request that you take the time to review the revised SFMP prior to our scheduled PAG meeting in February. Any questions or concerns will be addressed at that time.

We thank you for your continued commitment to the Mackenzie SFMP.

Sincerely,

On behalf of the Mackenzie Licensee Steering Committee.

Encl: *Mackenzie SFMP Version 10.1 – January 2010*



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

January 7, 2010

Jim and Janet Besherse
General Delivery
Germansen Landing, BC
V0J 1T0

Dear Jim and Janet,

Attached is a draft copy of the newly revised Canfor/BCTS Mackenzie Sustainable Forest Management Plan (SFMP). Based on the hard work completed by the Public Advisory Group (PAG) over the last eight months, a large number of revisions have been made to the SFMP both in format and content. As was discussed at the initiation of this process, the intent of this work was to develop a plan that was more comprehensible and manageable. We believe that we have achieved those objectives.

With the process now complete, we request that you take the time to review the revised SFMP prior to our scheduled PAG meeting in February. Any questions or concerns will be addressed at that time.

We thank you for your continued commitment to the Mackenzie SFMP.

Sincerely,

On behalf of the Mackenzie Licensee Steering Committee.

Encl: *Mackenzie SFMP Version 10.1 - January 2010*



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

January 7, 2010

Tom Briggs
P.O. Box 966
Mackenzie, BC
V0J 2C0

Dear Tom,

Attached is a draft copy of the newly revised Canfor/BCTS Mackenzie Sustainable Forest Management Plan (SFMP). Based on the hard work completed by the Public Advisory Group (PAG) over the last eight months, a large number of revisions have been made to the SFMP both in format and content. As was discussed at the initiation of this process, the intent of this work was to develop a plan that was more comprehensible and manageable. We believe that we have achieved those objectives.

With the process now complete, we request that you take the time to review the revised SFMP prior to our scheduled PAG meeting in February. Any questions or concerns will be addressed at that time.

We thank you for your continued commitment to the Mackenzie SFMP.

Sincerely,

On behalf of the Mackenzie Licensee Steering Committee.

Encl: *Mackenzie SFMP Version 10.1 - January 2010*



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

January 7th, 2010

Mike Broadbent
Box 398
Mackenzie, BC
V0J 2C0

Dear Mike,

Attached is a draft copy of the newly revised Canfor/BCTS Mackenzie Sustainable Forest Management Plan (SFMP). Based on the hard work completed by the Public Advisory Group (PAG) over the last eight months, a large number of revisions have been made to the SFMP both in format and content. As was discussed at the initiation of this process, the intent of this work was to develop a plan that was more comprehensible and manageable. We believe that we have achieved those objectives.

With the process now complete, we request that you take the time to review the revised SFMP prior to our scheduled PAG meeting in February. Any questions or concerns will be addressed at that time.

We thank you for your continued commitment to the Mackenzie SFMP.

Sincerely,

On behalf of the Mackenzie Licensee Steering Committee.

Encl: *Mackenzie SFMP Version 10.1 – January 2010*



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

January 7, 2010

Keinan Carty, Lionel Chingee and Ryan Bichon
General Delivery
McLeod Lake, BC
V0J 2G0

Dear Keinan, Lionel and Ryan,

Attached is a draft copy of the newly revised Canfor/BCTS Mackenzie Sustainable Forest Management Plan (SFMP). Based on the hard work completed by the Public Advisory Group (PAG) over the last eight months, a large number of revisions have been made to the SFMP both in format and content. As was discussed at the initiation of this process, the intent of this work was to develop a plan that was more comprehensible and manageable. We believe that we have achieved those objectives.

With the process now complete, we request that you take the time to review the revised SFMP prior to our scheduled PAG meeting in February. Any questions or concerns will be addressed at that time.

We thank you for your continued commitment to the Mackenzie SFMP.

Sincerely,

On behalf of the Mackenzie Licensee Steering Committee.

Encl: *Mackenzie SFMP Version 10.1 - January 2010*



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

January 7th, 2010

Ron Crosby
Box 454
Mackenzie, BC
V0J 2C0

Dear Ron,

Attached is a draft copy of the newly revised Canfor/BCTS Mackenzie Sustainable Forest Management Plan (SFMP). Based on the hard work completed by the Public Advisory Group (PAG) over the last eight months, a large number of revisions have been made to the SFMP both in format and content. As was discussed at the initiation of this process, the intent of this work was to develop a plan that was more comprehensible and manageable. We believe that we have achieved those objectives.

With the process now complete, we request that you take the time to review the revised SFMP prior to our scheduled PAG meeting in February. Any questions or concerns will be addressed at that time.

We thank you for your continued commitment to the Mackenzie SFMP.

Sincerely,

On behalf of the Mackenzie Licensee Steering Committee.

Encl: *Mackenzie SFMP Version 10.1 – January 2010*



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

January 7th, 2010

Teena Demeulemeester and Max Desjarlais
West Moberly First Nation
Box 90
Moberly Lake, BC
V0C 1X0

Dear Teena and Max,

Attached is a draft copy of the newly revised Canfor/BCTS Mackenzie Sustainable Forest Management Plan (SFMP). Based on the hard work completed by the Public Advisory Group (PAG) over the last eight months, a large number of revisions have been made to the SFMP both in format and content. As was discussed at the initiation of this process, the intent of this work was to develop a plan that was more comprehensible and manageable. We believe that we have achieved those objectives.

With the process now complete, we request that you take the time to review the revised SFMP prior to our scheduled PAG meeting in February. Any questions or concerns will be addressed at that time.

We thank you for your continued commitment to the Mackenzie SFMP.

Sincerely,

On behalf of the Mackenzie Licensee Steering Committee.

Encl: *Mackenzie SFMP Version 10.1 – January 2010*



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

January 7th, 2010

Chief Harley Davis and Monica Rice
Saulteau First Nation
Box 1020
Chetwynd, BC
V0C 1J0

Dear Chief Harley Davis and Monica Rice,

Attached is a draft copy of the newly revised Canfor/BCTS Mackenzie Sustainable Forest Management Plan (SFMP). Based on the hard work completed by the Public Advisory Group (PAG) over the last eight months, a large number of revisions have been made to the SFMP both in format and content. As was discussed at the initiation of this process, the intent of this work was to develop a plan that was more comprehensible and manageable. We believe that we have achieved those objectives.

With the process now complete, we request that you take the time to review the revised SFMP prior to our scheduled PAG meeting in February. Any questions or concerns will be addressed at that time.

We thank you for your continued commitment to the Mackenzie SFMP.

Sincerely,

On behalf of the Mackenzie Licensee Steering Committee.

Encl: *Mackenzie SFMP Version 10.1 – January 2010*



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

January 7th, 2010

Don and Sadie Jarvis
5570 Reed Lake Road
Prince George, BC
V2K 5N8

Dear Don and Sadie,

Attached is a draft copy of the newly revised Canfor/BCTS Mackenzie Sustainable Forest Management Plan (SFMP). Based on the hard work completed by the Public Advisory Group (PAG) over the last eight months, a large number of revisions have been made to the SFMP both in format and content. As was discussed at the initiation of this process, the intent of this work was to develop a plan that was more comprehensible and manageable. We believe that we have achieved those objectives.

With the process now complete, we request that you take the time to review the revised SFMP prior to our scheduled PAG meeting in February. Any questions or concerns will be addressed at that time.

We thank you for your continued commitment to the Mackenzie SFMP.

Sincerely,

On behalf of the Mackenzie Licensee Steering Committee.

Encl: *Mackenzie SFMP Version 10.1 – January 2010*



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

January 7, 2010

Stephanie Killam and Warren Waycheshen
Bag 340
1 Mackenzie Blvd.
Mackenzie, BC
V0J 2C0

Dear Stephanie and Warren,

Attached is a draft copy of the newly revised Canfor/BCTS Mackenzie Sustainable Forest Management Plan (SFMP). Based on the hard work completed by the Public Advisory Group (PAG) over the last eight months, a large number of revisions have been made to the SFMP both in format and content. As was discussed at the initiation of this process, the intent of this work was to develop a plan that was more comprehensible and manageable. We believe that we have achieved those objectives.

With the process now complete, we request that you take the time to review the revised SFMP prior to our scheduled PAG meeting in February. Any questions or concerns will be addressed at that time.

We thank you for your continued commitment to the Mackenzie SFMP.

Sincerely,

On behalf of the Mackenzie Licensee Steering Committee.

Encl: *Mackenzie SFMP Version 10.1 - January 2010*



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

January 7th, 2010

Josef Kollbrand
Box 1679
Mackenzie, BC
V0J 2C0

Dear Josef,

Attached is a draft copy of the newly revised Canfor/BCTS Mackenzie Sustainable Forest Management Plan (SFMP). Based on the hard work completed by the Public Advisory Group (PAG) over the last eight months, a large number of revisions have been made to the SFMP both in format and content. As was discussed at the initiation of this process, the intent of this work was to develop a plan that was more comprehensible and manageable. We believe that we have achieved those objectives.

With the process now complete, we request that you take the time to review the revised SFMP prior to our scheduled PAG meeting in February. Any questions or concerns will be addressed at that time.

We thank you for your continued commitment to the Mackenzie SFMP.

Sincerely,

On behalf of the Mackenzie Licensee Steering Committee.

Encl: *Mackenzie SFMP Version 10.1 – January 2010*



Mackenzie SFMP



January 7, 2010

Vi Lambie
P.O. Box 1598
Mackenzie, BC
V0J 2C0

Dear Vi,

Attached is a draft copy of the newly revised Canfor/BCTS Mackenzie Sustainable Forest Management Plan (SFMP). Based on the hard work completed by the Public Advisory Group (PAG) over the last eight months, a large number of revisions have been made to the SFMP both in format and content. As was discussed at the initiation of this process, the intent of this work was to develop a plan that was more comprehensible and manageable. We believe that we have achieved those objectives.

With the process now complete, we request that you take the time to review the revised SFMP prior to our scheduled PAG meeting in February. Any questions or concerns will be addressed at that time.

We thank you for your continued commitment to the Mackenzie SFMP.

Sincerely,

On behalf of the Mackenzie Licensee Steering Committee.

Encl: *Mackenzie SFMP Version 10.1 - January 2010*



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

January 7, 2010

Tom Michael
Bag Service 4000
Mackenzie, BC
V0J 2C0

Dear Tom,

Attached is a draft copy of the newly revised Canfor/BCTS Mackenzie Sustainable Forest Management Plan (SFMP). Based on the hard work completed by the Public Advisory Group (PAG) over the last eight months, a large number of revisions have been made to the SFMP both in format and content. As was discussed at the initiation of this process, the intent of this work was to develop a plan that was more comprehensible and manageable. We believe that we have achieved those objectives.

With the process now complete, we request that you take the time to review the revised SFMP prior to our scheduled PAG meeting in February. Any questions or concerns will be addressed at that time.

We thank you for your continued commitment to the Mackenzie SFMP.

Sincerely,

On behalf of the Mackenzie Licensee Steering Committee.

Encl: *Mackenzie SFMP Version 10.1 - January 2010*



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

January 7th, 2010

Lawrence Napier
Box 51
Mackenzie, BC
V0J 2C0

Dear Lawrence,

Attached is a draft copy of the newly revised Canfor/BCTS Mackenzie Sustainable Forest Management Plan (SFMP). Based on the hard work completed by the Public Advisory Group (PAG) over the last eight months, a large number of revisions have been made to the SFMP both in format and content. As was discussed at the initiation of this process, the intent of this work was to develop a plan that was more comprehensible and manageable. We believe that we have achieved those objectives.

With the process now complete, we request that you take the time to review the revised SFMP prior to our scheduled PAG meeting in February. Any questions or concerns will be addressed at that time.

We thank you for your continued commitment to the Mackenzie SFMP.

Sincerely,

On behalf of the Mackenzie Licensee Steering Committee.

Encl: *Mackenzie SFMP Version 10.1 – January 2010*



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

January 7, 2010

Nancy Perreault
General Delivery
Germansen Landing, BC
V0J 1T0

Dear Nancy,

Attached is a draft copy of the newly revised Canfor/BCTS Mackenzie Sustainable Forest Management Plan (SFMP). Based on the hard work completed by the Public Advisory Group (PAG) over the last eight months, a large number of revisions have been made to the SFMP both in format and content. As was discussed at the initiation of this process, the intent of this work was to develop a plan that was more comprehensible and manageable. We believe that we have achieved those objectives.

With the process now complete, we request that you take the time to review the revised SFMP prior to our scheduled PAG meeting in February. Any questions or concerns will be addressed at that time.

We thank you for your continued commitment to the Mackenzie SFMP.

Sincerely,

On behalf of the Mackenzie Licensee Steering Committee.

Encl: *Mackenzie SFMP Version 10.1 - January 2010*



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

January 7, 2010

Ken and Mary Reiersen
General Delivery
Germansen Landing, BC
V0J 1T0

Dear Ken and Mary,

Attached is a draft copy of the newly revised Canfor/BCTS Mackenzie Sustainable Forest Management Plan (SFMP). Based on the hard work completed by the Public Advisory Group (PAG) over the last eight months, a large number of revisions have been made to the SFMP both in format and content. As was discussed at the initiation of this process, the intent of this work was to develop a plan that was more comprehensible and manageable. We believe that we have achieved those objectives.

With the process now complete, we request that you take the time to review the revised SFMP prior to our scheduled PAG meeting in February. Any questions or concerns will be addressed at that time.

We thank you for your continued commitment to the Mackenzie SFMP.

Sincerely,

On behalf of the Mackenzie Licensee Steering Committee.

Encl: *Mackenzie SFMP Version 10.1 - January 2010*



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

January 7th, 2010

Aaron Snively
Box 701
Mackenzie, BC
V0J 2C0

Dear Aaron,

Attached is a draft copy of the newly revised Canfor/BCTS Mackenzie Sustainable Forest Management Plan (SFMP). Based on the hard work completed by the Public Advisory Group (PAG) over the last eight months, a large number of revisions have been made to the SFMP both in format and content. As was discussed at the initiation of this process, the intent of this work was to develop a plan that was more comprehensible and manageable. We believe that we have achieved those objectives.

With the process now complete, we request that you take the time to review the revised SFMP prior to our scheduled PAG meeting in February. Any questions or concerns will be addressed at that time.

We thank you for your continued commitment to the Mackenzie SFMP.

Sincerely,

On behalf of the Mackenzie Licensee Steering Committee.

Encl: *Mackenzie SFMP Version 10.1 – January 2010*



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

January 7, 2010

Vida Tattrie
P.O. Box 1008
Mackenzie, BC
V0J 2C0

Dear Vida,

Attached is a draft copy of the newly revised Canfor/BCTS Mackenzie Sustainable Forest Management Plan (SFMP). Based on the hard work completed by the Public Advisory Group (PAG) over the last eight months, a large number of revisions have been made to the SFMP both in format and content. As was discussed at the initiation of this process, the intent of this work was to develop a plan that was more comprehensible and manageable. We believe that we have achieved those objectives.

With the process now complete, we request that you take the time to review the revised SFMP prior to our scheduled PAG meeting in February. Any questions or concerns will be addressed at that time.

We thank you for your continued commitment to the Mackenzie SFMP.

Sincerely,

On behalf of the Mackenzie Licensee Steering Committee.

Encl: *Mackenzie SFMP Version 10.1 - January 2010*



Mackenzie SFMP



December 9, 2009

Bruce Bennett
Box 955
Mackenzie, BC
V0J 2C0

Dear Bruce;

The next meeting of the Mackenzie PAG is Tuesday, December 15, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current plan to the new CSA standard.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the October 14th Mackenzie PAG meeting,

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, December 11, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



December 9, 2009

Jim & Janet Besherse
General Delivery
Germansen Landing, BC V0J 1T0

Dear Jim and Janet;

The next meeting of the Mackenzie PAG is Tuesday, December 15, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current plan to the new CSA standard.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the October 14th Mackenzie PAG meeting,

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, December 11, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



December 9, 2009

Max Desjarlais
West Moberly First Nation
PO Box 90
Moberly Lake, BC V0C 1X0

Dear Max;

The next meeting of the Mackenzie PAG is Tuesday, December 15, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current plan to the new CSA standard.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the October 14th Mackenzie PAG meeting,

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, December 11, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



December 9, 2009

Don & Sadie Jarvis
5570 Reed Lake Road
Prince George BC
V2K 5N8

Dear Don and Sadie;

The next meeting of the Mackenzie PAG is Tuesday, December 15, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current plan to the new CSA standard.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the October 14th Mackenzie PAG meeting,

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, December 11, 2009, if you plan on attending this meeting.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



December 9, 2009

Tom Michael
Bag Service 4000
Mackenzie, BC
V0J 2C0

Dear Tom;

The next meeting of the Mackenzie PAG is Tuesday, December 15, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current plan to the new CSA standard.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the October 14th Mackenzie PAG meeting,

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, December 11, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



December 9, 2009

Nancy Perreault
Bag 24
Germansen Landing, BC
V0J 1T0

Dear Nancy;

The next meeting of the Mackenzie PAG is Tuesday, December 15, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current plan to the new CSA standard.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the October 14th Mackenzie PAG meeting,

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, December 11, 2009, if you plan on attending this meeting.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Dwight Wolfe <dwight.wolfe@tesera.com>

Mac PAG: The next meeting of the Mackenzie PAG is Tuesday, December 15, 2009.

Dwight Wolfe <dwight.wolfe@tesera.com>

Tue, Dec 8, 2009 at 4:21 PM

Cc: "Koch, Darwyn FOR:EX" <Darwyn.Koch@gov.bc.ca>, "Szekely, Dan" <Dan.Szekely@canfor.com>
Bcc: Aaron Snively <asnive@hotmail.com>, Brent Sinclair <sinclairb@mackbc.com>, Chief Harley Davis <hdavis@saulteau.com>, Chief Jerry Asp <pjerryasp@hotmail.com>, Dave Jeans <r19ddt@telus.net>, Edward Brookfield <edwardbrookfield304@gmail.com>, Ingo Hinz <Ingo.Hinz@canfor.com>, Jim & Janet Besherse <jbesherse@explornet.com>, Josef Kollbrand <joskoll@telus.net>, Judi Vander Maaten <Judi@district.mackenzie.bc.ca>, Keinan Carty <kcarty@milib.ca>, Keith Playfair <Playfair@bctrucksafe.org>, Kelsey McLeod <kelsey_mcleod@yahoo.ca>, Ken & Mary Reiersen <momsfunnyfarm@explornet.com>, Lawrence Napier <napierlr@hotmail.com>, MaryAnne Arcand <maryanne@cila.ca>, Mel Botrakoff <mel@district.mackenzie.bc.ca>, Michael Schneider <michael@going-fishing.com>, Micheline Snively <msnive@hotmail.com>, Mike Broadbent <mrstar58@telus.net>, "PPWC (Local 18)" <ppwc18@persona.ca>, Rob Weaver <weaver00@telus.net>, Ron Crosby <crosbyr@cnc.bc.ca>, Ron Steffey <moosevalley@explornet.com>, Ryan Bichon <rbichon@milib.ca>, Scott Scholefield <Scott.Scholefield@gov.bc.ca>, Shaun Kuzio <Shaun.Kuzio@abitibowater.com>, Stephanie Killam <stephanie@district.mackenzie.bc.ca>, Teena Demeulemeester <Forestry@westmo.org>, Todd Walter <twalter@bpei.ca>, Tom and Karen Briggs <teekay74@telus.net>, Vi Lambie <jlambie@telus.net>, Vida Tattrie <vireo@mackbc.com>, Warren Waycheshen <info@district.mackenzie.bc.ca>

Hi Folks,

The next meeting of the Mackenzie PAG is Tuesday, December 15, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current plan to the new CSA standard.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the October 14th Mackenzie PAG meeting,

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, December 11, 2009, if you plan on attending this meeting.

--

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager



Mackenzie SFMP



September 29, 2009

Bruce Bennett
Box 955
Mackenzie, BC
V0J 2C0

Dear Bruce;

The next meeting of the Mackenzie PAG is Wednesday, October 14, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current SFM plan to the new CSA standard.

Beryl Nesbit from ILMB will also be in attendance to update the PAG on the implementation of the Spatial Old Growth Management Areas within the Mackenzie TSA.

A draft agenda is attached along with the draft minutes of the June 24th PAG meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, October 9, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



September 29, 2009

Jim & Janet Besherse
General Delivery
Germansen Landing, BC V0J 1T0

Dear Jim and Janet;

The next meeting of the Mackenzie PAG is Wednesday, October 14, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current SFM plan to the new CSA standard.

Beryl Nesbit from ILMB will also be in attendance to update the PAG on the implementation of the Spatial Old Growth Management Areas within the Mackenzie TSA.

A draft agenda is attached along with the draft minutes of the June 24th PAG meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, October 9, 2009, if you plan on attending this meeting.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



September 29, 2009

Max Desjarlais
West Moberly First Nation
PO Box 90
Moberly Lake, BC V0C 1X0

Dear Max;

The next meeting of the Mackenzie PAG is Wednesday, October 14, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current SFM plan to the new CSA standard.

Beryl Nesbit from ILMB will also be in attendance to update the PAG on the implementation of the Spatial Old Growth Management Areas within the Mackenzie TSA.

A draft agenda is attached along with the draft minutes of the June 24th PAG meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, October 9, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



September 29, 2009

Don & Sadie Jarvis
5570 Reed Lake Road
Prince George BC
V2K 5N8

Dear Don and Sadie;

The next meeting of the Mackenzie PAG is Wednesday, October 14, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current SFM plan to the new CSA standard.

Beryl Nesbit from ILMB will also be in attendance to update the PAG on the implementation of the Spatial Old Growth Management Areas within the Mackenzie TSA.

A draft agenda is attached along with the draft minutes of the June 24th PAG meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, October 9, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



September 29, 2009

Tom Michael
Bag Service 4000
Mackenzie, BC
V0J 2C0

Dear Tom;

The next meeting of the Mackenzie PAG is Wednesday, October 14, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current SFM plan to the new CSA standard.

Beryl Nesbit from ILMB will also be in attendance to update the PAG on the implementation of the Spatial Old Growth Management Areas within the Mackenzie TSA.

A draft agenda is attached along with the draft minutes of the June 24th PAG meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, October 9, 2009, if you plan on attending this meeting.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



September 29, 2009

Nancy Perreault
Bag 24
Germansen Landing, BC
V0J 1T0

Dear Nancy;

The next meeting of the Mackenzie PAG is Wednesday, October 14, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current SFM plan to the new CSA standard.

Beryl Nesbit from ILMB will also be in attendance to update the PAG on the implementation of the Spatial Old Growth Management Areas within the Mackenzie TSA.

A draft agenda is attached along with the draft minutes of the June 24th PAG meeting.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, October 9, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Dwight Wolfe <dwight.wolfe@tesera.com>

Mac PAG: The next meeting of the Mackenzie PAG is Wednesday, October 14, 2009

Dwight Wolfe <dwight.wolfe@tesera.com>

Tue, Sep 29, 2009 at 3:27 PM

Cc: "Koch, Darwyn FOR:EX" <Darwyn.Koch@gov.bc.ca>, "Szekely, Dan" <Dan.Szekely@canfor.com>, "Nesbit, Beryl ILMB: EX" <Beryl.Nesbit@gov.bc.ca>

Bcc: Aaron Snively <asnive@hotmail.com>, Brent Sinclair <sinclairb@mackbc.com>, Chief Harley Davis <hdavis@saulteau.com>, Chief Jerry Asp <pjerryasp@hotmail.com>, Dave Jeans <r19ddt@telus.net>, Grant Martin <canty_creek91@xplornet.com>, Ingo Hinz <Ingo.Hinz@canfor.com>, Jim & Janet Besherse <jbesherse@xplornet.com>, Josef Kollbrand <joskoll@telus.net>, Judi Vander Maaten <Judi@district.mackenzie.bc.ca>, Keinan Carty <kcarty@mlib.ca>, Keith Playfair <Playfair@bctrucksafe.org>, Kelsey McLeod <kelsey_mcleod@yahoo.ca>, Ken & Mary Reiersen <momsfunnyfarm@xplornet.com>, Lawrence Napier <napierlr@hotmail.com>, MaryAnne Arcand <Arcand@bctrucksafe.org>, Mel Botrakoff <mel@district.mackenzie.bc.ca>, Michael Schneider <michael@going-fishing.com>, Micheline Snively <msnive@hotmail.com>, Mike Broadbent <mrstar58@telus.net>, "PPWC (Local 18)" <ppwc18@persona.ca>, Rob Weaver <weaver00@telus.net>, Ron Crosby <crosbyr@cnc.bc.ca>, Ron Steffey <moosevalley@xplornet.com>, Ryan Bichon <rbichon@mlib.ca>, Scott Scholefield <Scott.Scholefield@gov.bc.ca>, Shaun Kuzio <Shaun.Kuzio@abitibowater.com>, Stephanie Killam <stephanie@district.mackenzie.bc.ca>, Teena Demeulemeester <Forestry@westmo.org>, Todd Walter <twalter@bpei.ca>, Tom and Karen Briggs <teekay74@telus.net>, Vi Lambie <jlambie@telus.net>, Vida Tattrie <vireo@mackbc.com>, Warren Waycheshen <info@district.mackenzie.bc.ca>, Jason Neumeyer <Jason.Neumeyer@canfor.com>

Hi Folks,

The next meeting of the Mackenzie PAG is Wednesday, October 14, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

At this meeting we will continue the process of aligning the current plan to the new CSA standard. Beryl Nesbit from ILMB will also be in attendance to update the PAG on the implementation of the Spatial Old Growth Management Areas within the Mackenzie TSA

The following documents are attached:

- A draft agenda,
- Draft Minutes from the June 24th Mackenzie PAG meeting,

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, October

9, 2009, if you plan on attending this meeting.

Sincerely,

DSW

--

Dwight Scott Wolfe, RPF, Cert. ConRes.

Operations Manager

Tesera Systems Inc.

250.614.3122 tel

866.698.8789 toll free

250.564.0393 fax

www.tesera.com

Cochrane

403.932.0445 tel

403.932.9395 fax

Box 1078, Cochrane, AB, T4C 1B1

Prince George

250.614.3122 tel

250.564.0393 fax

Box 2130, Prince George, BC, V2N 2J6

This e-mail message is intended only for the person or entity to which it is addressed and is confidential, subject to copyright and may be legally privileged. Any unauthorized review, use or disclosure is prohibited. If you received this in error, please contact the sender and delete all copies of the e-mail together with any attachments.

2 attachments

MacPAG agenda_Oct_14_2009_draft.pdf
48K

PAG Meeting Summary - June 24, 2009 draft.pdf
132K



Mackenzie SFMP



June 15, 2009

Bruce Bennett
Box 955
Mackenzie, BC
V0J 2C0

Dear Bruce;

The next meeting of the Mackenzie PAG is Wednesday, June 24, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be continuing to update the Mackenzie SFM Plan.

A draft agenda is attached along with the draft minutes of the May 26th PAG meeting.
A copy of the most recent Mackenzie TSA Forest Health Strategy is also attached.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, June 19, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



June 15, 2009

Jim & Janet Besherse
General Delivery
Germansen Landing, BC V0J 1T0

Dear Jim and Janet;

The next meeting of the Mackenzie PAG is Wednesday, June 24, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be continuing to update the Mackenzie SFM Plan.

A draft agenda is attached along with the draft minutes of the May 26th PAG meeting.
A copy of the most recent Mackenzie TSA Forest Health Strategy is also attached.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, June 19, 2009, if you plan on attending this meeting.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



June 15, 2009

Max Desjarlais
West Moberly First Nation
PO Box 90
Moberly Lake, BC V0C 1X0

Dear Max;

The next meeting of the Mackenzie PAG is Wednesday, June 24, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be continuing to update the Mackenzie SFM Plan.

A draft agenda is attached along with the draft minutes of the May 26th PAG meeting.
A copy of the most recent Mackenzie TSA Forest Health Strategy is also attached.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, June 19, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



June 15, 2009

Don & Sadie Jarvis
5570 Reed Lake Road
Prince George BC
V2K 5N8

Dear Don and Sadie;

The next meeting of the Mackenzie PAG is Wednesday, June 24, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be continuing to update the Mackenzie SFM Plan.

A draft agenda is attached along with the draft minutes of the May 26th PAG meeting.
A copy of the most recent Mackenzie TSA Forest Health Strategy is also attached.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, June 19, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



June 15, 2009

Tom Michael
Bag Service 4000
Mackenzie, BC
V0J 2C0

Dear Tom;

The next meeting of the Mackenzie PAG is Wednesday, June 24, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be continuing to update the Mackenzie SFM Plan.

A draft agenda is attached along with the draft minutes of the May 26th PAG meeting.
A copy of the most recent Mackenzie TSA Forest Health Strategy is also attached.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, June 19, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



June 15, 2009

Nancy Perreault
Bag 24
Germansen Landing, BC
V0J 1T0

Dear Nancy;

The next meeting of the Mackenzie PAG is Wednesday, June 24, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be continuing to update the Mackenzie SFM Plan.

A draft agenda is attached along with the draft minutes of the May 26th PAG meeting.
A copy of the most recent Mackenzie TSA Forest Health Strategy is also attached.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, June 19, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Dwight Wolfe <dwight.wolfe@tesera.com>

Mac PAG: Draft Agenda and Background Materials for the June 24th Mackenzie PAG meeting

Dwight Wolfe <dwight.wolfe@tesera.com>

Mon, Jun 15, 2009 at
1:23 PM

Cc: "Koch, Darwyn FOR:EX" <Darwyn.Koch@gov.bc.ca>, "Szekely, Dan" <Dan.Szekely@canfor.com>
Bcc: Aaron Snively <asnive@hotmail.com>, Brent Sinclair <sinclairb@mackbc.com>, Chief Harley Davis <hdavis@saulteau.com>, Chief Jerry Asp <pjerryasp@hotmail.com>, Dave Jeans <r19ddt@telus.net>, Grant Martin <canty_creek91@xplornet.com>, Jim & Janet Besherse <jbesherse@xplornet.com>, Josef Kollbrand <joskoll@telus.net>, Judi Vander Maaten <Judi@district.mackenzie.bc.ca>, Keinan Carty <kcarty@milib.ca>, Keith Playfair <Playfair@bctrucksafe.org>, Kelsey McLeod <kelsey_mcleod@yahoo.ca>, Ken & Mary Reiersen <momsfunnyfarm@xplornet.com>, Lawrence Napier <napierlr@hotmail.com>, MaryAnne Arcand <Arcand@bctrucksafe.org>, Mel Botrakoff <mel@district.mackenzie.bc.ca>, Michael Schneider <michael@going-fishing.com>, Mike Broadbent <mrstar58@telus.net>, "PPWC (Local 18)" <ppwc18@persona.ca>, Rob Weaver <weaver00@telus.net>, Ron Crosby <crosby@cnc.bc.ca>, Ron Steffey <moosevalley@xplornet.com>, Ryan Bichon <rbichon@milib.ca>, Scott Scholefield <Scott.Scholefield@gov.bc.ca>, Shaun Kuzio <Shaun.Kuzio@abitibowater.com>, Stephanie Killam <stephanie@district.mackenzie.bc.ca>, Teena Demeulemeester <Forestry@westmo.org>, Tom and Karen Briggs <teekay74@telus.net>, Vi Lambie <jlambie@telus.net>, Vida Tattrie <vireo@mackbc.com>, Warren Waycheshen <info@district.mackenzie.bc.ca>, Monica Rice <mrice@saulteau.com>, msnive@hotmail.com, twalter@bpei.ca

Hi Folks,

The next meeting of the Mackenzie PAG is Wednesday, June 24, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be continuing to update the Mackenzie SFM Plan.

A draft agenda is attached along with the draft minutes of the May 26th PAG meeting.
A copy of the most recent Mackenzie TSA Forest Health Strategy is also attached.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, June 19, 2009, if you plan on attending this meeting.

Sincerely,

DSW

--

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager

Tesera Systems Inc.
250.614.3122 tel
866.698.8789 toll free
250.564.0393 fax
www.tesera.com

Cochrane	Prince George
403.932.0445 tel	250.614.3122 tel
403.932.9395 fax	250.564.0393 fax
Box 1078, Cochrane, AB, T4C 1B1	Box 2130, Prince George, BC, V2N 2J6

This e-mail message is intended only for the person or entity to which it is addressed and is confidential, subject to copyright and may be legally privileged. Any unauthorized review, use or disclosure is prohibited. If you received this in error, please contact the sender and delete all copies of the e-mail together with any attachments.

3 attachments

- MacPAG agenda_June_24_2009_draft.pdf
44K
- PAG Meeting Summary - May 26, 2009 draft.pdf
136K
- FH Strategy Mackenzie TSA v2-3.pdf
254K



Dwight Wolfe <dwight.wolfe@tesera.com>

Mac PAG: Additional Agenda item for the May 26th Mackenzie PAG meeting

Dwight Wolfe <dwight.wolfe@tesera.com>

Fri, May 15, 2009 at 3:57 PM

Cc: "Koch, Darwyn FOR:EX" <Darwyn.Koch@gov.bc.ca>, "Szekely, Dan" <Dan.Szekely@canfor.com>
Bcc: Aaron Snively <asnive@hotmail.com>, Brent Sinclair <sinclairb@mackbc.com>, Chief Harley Davis <hdavis@saulteau.com>, Chief Jerry Asp <pjerryasp@hotmail.com>, Dave Jeans <r19ddt@telus.net>, Grant Martin <canty_creek91@xplornet.com>, Ingo Hinz <Ingo.Hinz@canfor.com>, Jim & Janet Besherse <jbesherse@xplornet.com>, Josef Kollbrand <joskoll@telus.net>, Judi Vander Maaten <Judi@district.mackenzie.bc.ca>, Keinan Carty <kcarty@mlib.ca>, Keith Playfair <Playfair@bctrucksafe.org>, Kelsey McLeod <kelsey_mcleod@yahoo.ca>, Ken & Mary Reiersen <momsfunnyfarm@xplornet.com>, Lawrence Napier <napierlr@hotmail.com>, MaryAnne Arcand <Arcand@bctrucksafe.org>, Mel Botrakoff <mel@district.mackenzie.bc.ca>, Michael Schneider <michael@going-fishing.com>, Mike Broadbent <mrstar58@telus.net>, "PPWC (Local 18)" <ppwc18@persona.ca>, Rob Weaver <weaver00@telus.net>, Ron Crosby <crosby@cnc.bc.ca>, Ron Steffey <moosevalley@xplornet.com>, Ryan Bichon <rbichon@mlib.ca>, Scott Scholefield <Scott.Scholefield@gov.bc.ca>, Shaun Kuzio <Shaun.Kuzio@abitibowater.com>, Stephanie Killam <stephanie@district.mackenzie.bc.ca>, Teena Demeulemeester <Forestry@westmo.org>, Tom and Karen Briggs <teekay74@telus.net>, Vi Lambie <jlambie@telus.net>, Vida Tattrie <vireo@mackbc.com>, Warren Waycheshen <info@district.mackenzie.bc.ca>

Hi Folks,

Unless constrained by other priorities, Lionel Chabot, Canfor – Mackenzie Divisional Manager, will attend the start of the PAG meeting and give an update on the Mackenzie mill start-up plans. This will occur at the beginning of the meeting.

Sincerely,

DSW

On Thu, May 14, 2009 at 10:38 AM, Dwight Wolfe <dwight.wolfe@tesera.com> wrote:

Hi Folks,

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be the review of the 2008-09 Annual Report.

At the meeting, the Steering Committee will also communicate to the PAG their intended direction for the current SFM Plan and the PAG will begin the process of aligning the current plan to the new CSA

standard. You can download your copy from CSA's website (scroll down to the bottom of the page):

<http://www.shopcsa.ca/onlinestore/GetCatalogItemDetails.asp?mat=2419617>

Annex C (page 75) has summary information of key changes from the 02 version to this one.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the January 21st Mackenzie PAG meeting,
- The most recent Canfor and BCTS audit reports referenced at the January 21st Mackenzie PAG meeting.

At the January 21st Mackenzie PAG meeting, Canfor and BCTS were asked to provide copies of the Caribou Management Strategies they use in forest operations. Both BCTS and Canfor have committed to follow the recommendations of the Northern Caribou Recovery Action Plan.

Here is a link to the digital version of this Action Plan.

<http://www.forrex.org/publications/FORREXSeries/fs22.pdf>

If you would prefer a hard copy please RSVP and let me know.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

DSW

--

Dwight Scott Wolfe, RPF, Cert. ConRes.

Operations Manager

Tesera Systems Inc.

250.614.3122 tel

866.698.8789 toll free

250.564.0393 fax

www.tesera.com

Cochrane

403.932.0445 tel

403.932.9395 fax

Box 1078, Cochrane, AB, T4C 1B1

Prince George

250.614.3122 tel

250.564.0393 fax

Box 2130, Prince George, BC, V2N 2J6

This e-mail message is intended only for the person or entity to which

Mail

Dwight Wolfe <dwight.wolfe@tesera.com>

Mac PAG: Draft Agenda and Background Materials for the May 26th Mackenzie PAG meeting

Dwight Wolfe <dwight.wolfe@tesera.com>

Thu, May 14, 2009 at
10:38 AM

Cc: "Koch, Darwyn FOR:EX" <Darwyn.Koch@gov.bc.ca>, "Szekely, Dan" <Dan.Szekely@canfor.com>

Bcc: Aaron Snively <asnive@hotmail.com>, Brent Sinclair <sinclairb@mackbc.com>, Chief Harley Davis <hdavis@saulteau.com>, Chief Jerry Asp <pjerryasp@hotmail.com>, Dave Jeans <r19ddt@telus.net>, Grant Martin <canty_creek91@xplornet.com>, Ingo Hinz <Ingo.Hinz@canfor.com>, Jim & Janet Besherse <jbesherse@xplornet.com>, Josef Kollbrand <joskoll@telus.net>, Judi Vander Maaten <Judi@district.mackenzie.bc.ca>, Keinan Carty <kcarty@milib.ca>, Keith Playfair <Playfair@bctrucksafe.org>, Kelsey McLeod <kelsey_mcleod@yahoo.ca>, Ken & Mary Reiersen <momsfunnyfarm@xplornet.com>, Lawrence Napier <napierlr@hotmail.com>, MaryAnne Arcand <Arcand@bctrucksafe.org>, Mel Botrakoff <mel@district.mackenzie.bc.ca>, Michael Schneider <michael@going-fishing.com>, Mike Broadbent <mrstar58@telus.net>, "PPWC (Local 18)" <ppwc18@persona.ca>, Rob Weaver <weaver00@telus.net>, Ron Crosby <crosbyr@cnc.bc.ca>, Ron Steffey <moosevalley@xplornet.com>, Ryan Bichon <rbichon@milib.ca>, Scott Scholefield <Scott.Scholefield@gov.bc.ca>, Shaun Kuzio <Shaun.Kuzio@abitibowater.com>, Stephanie Killam <stephanie@district.mackenzie.bc.ca>, Teena Demeulemeester <Forestry@westmo.org>, Tom and Karen Briggs <teekay74@telus.net>, Vi Lambie <jlambie@telus.net>, Vida Tattrie <vireo@mackbc.com>, Warren Waycheshen <info@district.mackenzie.bc.ca>, Monica Rice <mrice@saulteau.com>

Hi Folks,

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be the review of the 2008-09 Annual Report. At the meeting, the Steering Committee will also communicate to the PAG their intended direction for the current SFM Plan and the PAG will begin the process of aligning the current plan to the new CSA standard. You can download your copy from CSA's website (scroll down to the bottom of the page):

<http://www.shopcsa.ca/onlinestore/GetCatalogItemDetails.asp?mat=2419617>

Annex C (page 75) has summary information of key changes from the 02 version to this one.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the January 21st Mackenzie PAG meeting,
- The most recent Canfor and BCTS audit reports referenced at the January 21st Mackenzie PAG meeting.

At the January 21st Mackenzie PAG meeting, Canfor and BCTS were asked to provide copies of the Caribou Management Strategies they use in forest operations. Both BCTS and Canfor have committed to follow the recommendations of the Northern Caribou Recovery Action Plan.

Here is a link to the digital version of this Action Plan.

<http://www.forrex.org/publications/FORREXSeries/fs22.pdf>

If you would prefer a hard copy please RSVP and let me know.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

DSW

--

Dwight Scott Wolfe, RPF, Cert. ConRes.

Operations Manager

Tesera Systems Inc.

250.614.3122 tel

866.698.8789 toll free

250.564.0393 fax

www.tesera.com

Cochrane

403.932.0445 tel

403.932.9395 fax

Box 1078, Cochrane, AB, T4C 1B1

Prince George

250.614.3122 tel

250.564.0393 fax

Box 2130, Prince George, BC, V2N 2J6

This e-mail message is intended only for the person or entity to which it is addressed and is confidential, subject to copyright and may be legally privileged. Any unauthorized review, use or disclosure is prohibited. If you received this in error, please contact the sender and delete all copies of the e-mail together with any attachments.

4 attachments

- MacPAG agenda_May_26_2009_draft.pdf
43K
 - PAG Meeting Summary - Jan 21, 2009 draft.pdf
115K
 - Canfor Mackenzie audit findings-2008.pdf
316K
 - BCTS External Audit Summary 121508.pdf
185K
-



Mackenzie SFMP



May 14, 2009

Bruce Bennett
Box 955
Mackenzie, BC
V0J 2C0

Dear Bruce;

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be the review of the 2008-09 Annual Report. At the meeting, the Steering Committee will also communicate to the PAG their intended direction for the current SFM Plan and the PAG will begin the process of aligning the current plan to the new CSA standard. You can download your copy from CSA's website: <http://www.shopcsa.ca/onlinestore/GetCatalogItemDetails.asp?mat=2419617> . Scroll down to the bottom of this web page to locate the download button. Annex C (page 75) has summary information of key changes from the 02 version to this one.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the January 21st Mackenzie PAG meeting,
- The most recent Canfor and BCTS audit reports referenced at the January 21st Mackenzie PAG meeting.

At the January 21st Mackenzie PAG meeting, Canfor and BCTS were asked to provide copies of the Caribou Management Strategies they use in forest operations. Both BCTS and Canfor have committed to follow the recommendations of the Northern Caribou Recovery Action Plan. Here is a link to the digital version of this Action Plan: <http://www.forrex.org/publications/FORREXSeries/fs22.pdf> . If you would prefer a hard copy please RSVP and let me know.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



May 14, 2009

Jim & Janet Besherse
General Delivery
Germansen Landing, BC V0J 1T0

Dear Jim and Janet;

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be the review of the 2008-09 Annual Report. At the meeting, the Steering Committee will also communicate to the PAG their intended direction for the current SFM Plan and the PAG will begin the process of aligning the current plan to the new CSA standard. You can download your copy from CSA's website: <http://www.shopcsa.ca/onlinestore/GetCatalogItemDetails.asp?mat=2419617>. Scroll down to the bottom of this web page to locate the download button. Annex C (page 75) has summary information of key changes from the 02 version to this one.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the January 21st Mackenzie PAG meeting,
- The most recent Canfor and BCTS audit reports referenced at the January 21st Mackenzie PAG meeting.

At the January 21st Mackenzie PAG meeting, Canfor and BCTS were asked to provide copies of the Caribou Management Strategies they use in forest operations. Both BCTS and Canfor have committed to follow the recommendations of the Northern Caribou Recovery Action Plan. Here is a link to the digital version of this Action Plan: <http://www.forrex.org/publications/FORREXSeries/fs22.pdf>. If you would prefer a hard copy please RSVP and let me know.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



May 14, 2009

Max Desjarlais
West Moberly First Nation
PO Box 90
Moberly Lake, BC V0C 1X0

Dear Max;

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be the review of the 2008-09 Annual Report. At the meeting, the Steering Committee will also communicate to the PAG their intended direction for the current SFM Plan and the PAG will begin the process of aligning the current plan to the new CSA standard. You can download your copy from CSA's website: <http://www.shopcsa.ca/onlinestore/GetCatalogItemDetails.asp?mat=2419617>. Scroll down to the bottom of this web page to locate the download button. Annex C (page 75) has summary information of key changes from the 02 version to this one.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the January 21st Mackenzie PAG meeting,
- The most recent Canfor and BCTS audit reports referenced at the January 21st Mackenzie PAG meeting.

At the January 21st Mackenzie PAG meeting, Canfor and BCTS were asked to provide copies of the Caribou Management Strategies they use in forest operations. Both BCTS and Canfor have committed to follow the recommendations of the Northern Caribou Recovery Action Plan. Here is a link to the digital version of this Action Plan: <http://www.forrex.org/publications/FORREXSeries/fs22.pdf>. If you would prefer a hard copy please RSVP and let me know.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



May 14, 2009

Don & Sadie Jarvis
5570 Reed Lake Road
Prince George BC
V2K 5N8

Dear Don and Sadie;

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be the review of the 2008-09 Annual Report. At the meeting, the Steering Committee will also communicate to the PAG their intended direction for the current SFM Plan and the PAG will begin the process of aligning the current plan to the new CSA standard. You can download your copy from CSA's website: <http://www.shopcsa.ca/onlinestore/GetCatalogItemDetails.asp?mat=2419617>. Scroll down to the bottom of this web page to locate the download button. Annex C (page 75) has summary information of key changes from the 02 version to this one.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the January 21st Mackenzie PAG meeting,
- The most recent Canfor and BCTS audit reports referenced at the January 21st Mackenzie PAG meeting.

At the January 21st Mackenzie PAG meeting, Canfor and BCTS were asked to provide copies of the Caribou Management Strategies they use in forest operations. Both BCTS and Canfor have committed to follow the recommendations of the Northern Caribou Recovery Action Plan. Here is a link to the digital version of this Action Plan: <http://www.forrex.org/publications/FORREXSeries/fs22.pdf>. If you would prefer a hard copy please RSVP and let me know.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



May 14, 2009

Walter Jeans
Box 901
Mackenzie, BC
V0J 2C0

Dear Walter;

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be the review of the 2008-09 Annual Report. At the meeting, the Steering Committee will also communicate to the PAG their intended direction for the current SFM Plan and the PAG will begin the process of aligning the current plan to the new CSA standard. You can download your copy from CSA's website: <http://www.shopcsa.ca/onlinestore/GetCatalogItemDetails.asp?mat=2419617>. Scroll down to the bottom of this web page to locate the download button. Annex C (page 75) has summary information of key changes from the 02 version to this one.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the January 21st Mackenzie PAG meeting,
- The most recent Canfor and BCTS audit reports referenced at the January 21st Mackenzie PAG meeting.

At the January 21st Mackenzie PAG meeting, Canfor and BCTS were asked to provide copies of the Caribou Management Strategies they use in forest operations. Both BCTS and Canfor have committed to follow the recommendations of the Northern Caribou Recovery Action Plan. Here is a link to the digital version of this Action Plan: <http://www.forrex.org/publications/FORREXSeries/fs22.pdf>. If you would prefer a hard copy please RSVP and let me know.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



May 14, 2009

Tom Michael
Bag Service 4000
Mackenzie, BC
V0J 2C0

Dear Tom;

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be the review of the 2008-09 Annual Report. At the meeting, the Steering Committee will also communicate to the PAG their intended direction for the current SFM Plan and the PAG will begin the process of aligning the current plan to the new CSA standard. You can download your copy from CSA's website: <http://www.shopcsa.ca/onlinestore/GetCatalogItemDetails.asp?mat=2419617>. Scroll down to the bottom of this web page to locate the download button. Annex C (page 75) has summary information of key changes from the 02 version to this one.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the January 21st Mackenzie PAG meeting,
- The most recent Canfor and BCTS audit reports referenced at the January 21st Mackenzie PAG meeting.

At the January 21st Mackenzie PAG meeting, Canfor and BCTS were asked to provide copies of the Caribou Management Strategies they use in forest operations. Both BCTS and Canfor have committed to follow the recommendations of the Northern Caribou Recovery Action Plan. Here is a link to the digital version of this Action Plan: <http://www.forrex.org/publications/FORREXSeries/fs22.pdf>. If you would prefer a hard copy please RSVP and let me know.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



May 14, 2009

Nancy Perreault
Bag 24
Germansen Landing, BC
V0J 1T0

Dear Nancy;

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The focus for this meeting will be the review of the 2008-09 Annual Report. At the meeting, the Steering Committee will also communicate to the PAG their intended direction for the current SFM Plan and the PAG will begin the process of aligning the current plan to the new CSA standard. You can download your copy from CSA's website: <http://www.shopcsa.ca/onlinestore/GetCatalogItemDetails.asp?mat=2419617>. Scroll down to the bottom of this web page to locate the download button. Annex C (page 75) has summary information of key changes from the 02 version to this one.

The following documents are attached:

- A draft agenda,
- Draft Minutes from the January 21st Mackenzie PAG meeting,
- The most recent Canfor and BCTS audit reports referenced at the January 21st Mackenzie PAG meeting.

At the January 21st Mackenzie PAG meeting, Canfor and BCTS were asked to provide copies of the Caribou Management Strategies they use in forest operations. Both BCTS and Canfor have committed to follow the recommendations of the Northern Caribou Recovery Action Plan. Here is a link to the digital version of this Action Plan: <http://www.forrex.org/publications/FORREXSeries/fs22.pdf>. If you would prefer a hard copy please RSVP and let me know.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



April 28, 2009

Bruce Bennett
Box 955
Mackenzie, BC
V0J 2C0

Dear Bruce;

Mackenzie SFM Plan PAG meetings are scheduled for Tuesday, May 26 and Wednesday, June 24.

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The Steering Committee is planning to host six (6) PAG meetings this fiscal. The focus for the first meeting (May 26) will be the review of the 2008-09 Annual Report.

Further to this, the Steering Committee would like to take this opportunity to communicate to the PAG our intended direction for the current SFMP. Due to unforeseen circumstances Canfor, BCTS, and Abitibi will not be combining SFMPs into one plan for the Mackenzie Forest District. Alternatively, Canfor and BCTS will be working with the PAG on revising the existing plan. Additional information will be distributed prior to the meeting.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



April 28, 2009

Jim & Janet Besherse
General Delivery
Germansen Landing, BC V0J 1T0

Dear Jim and Janet;

Mackenzie SFM Plan PAG meetings are scheduled for Tuesday, May 26 and Wednesday, June 24.

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The Steering Committee is planning to host six (6) PAG meetings this fiscal. The focus for the first meeting (May 26) will be the review of the 2008-09 Annual Report.

Further to this, the Steering Committee would like to take this opportunity to communicate to the PAG our intended direction for the current SFMP. Due to unforeseen circumstances Canfor, BCTS, and Abitibi will not be combining SFMPs into one plan for the Mackenzie Forest District. Alternatively, Canfor and BCTS will be working with the PAG on revising the existing plan. Additional information will be distributed prior to the meeting.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



April 28, 2009

Max Desjarlais
West Moberly First Nation
PO Box 90
Moberly Lake, BC V0C 1X0

Dear Max;

Mackenzie SFM Plan PAG meetings are scheduled for Tuesday, May 26 and Wednesday, June 24.

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The Steering Committee is planning to host six (6) PAG meetings this fiscal. The focus for the first meeting (May 26) will be the review of the 2008-09 Annual Report.

Further to this, the Steering Committee would like to take this opportunity to communicate to the PAG our intended direction for the current SFMP. Due to unforeseen circumstances Canfor, BCTS, and Abitibi will not be combining SFMPs into one plan for the Mackenzie Forest District. Alternatively, Canfor and BCTS will be working with the PAG on revising the existing plan. Additional information will be distributed prior to the meeting.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



April 28, 2009

Don & Sadie Jarvis
5570 Reed Lake Road
Prince George BC
V2K 5N8

Dear Don and Sadie;

Mackenzie SFM Plan PAG meetings are scheduled for Tuesday, May 26 and Wednesday, June 24.

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The Steering Committee is planning to host six (6) PAG meetings this fiscal. The focus for the first meeting (May 26) will be the review of the 2008-09 Annual Report.

Further to this, the Steering Committee would like to take this opportunity to communicate to the PAG our intended direction for the current SFMP. Due to unforeseen circumstances Canfor, BCTS, and Abitibi will not be combining SFMPs into one plan for the Mackenzie Forest District. Alternatively, Canfor and BCTS will be working with the PAG on revising the existing plan. Additional information will be distributed prior to the meeting.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



April 28, 2009

Walter Jeans
Box 901
Mackenzie, BC
V0J 2C0

Dear Walter;

Mackenzie SFM Plan PAG meetings are scheduled for Tuesday, May 26 and Wednesday, June 24.

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The Steering Committee is planning to host six (6) PAG meetings this fiscal. The focus for the first meeting (May 26) will be the review of the 2008-09 Annual Report.

Further to this, the Steering Committee would like to take this opportunity to communicate to the PAG our intended direction for the current SFMP. Due to unforeseen circumstances Canfor, BCTS, and Abitibi will not be combining SFMPs into one plan for the Mackenzie Forest District. Alternatively, Canfor and BCTS will be working with the PAG on revising the existing plan. Additional information will be distributed prior to the meeting.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



April 28, 2009

Tom Michael
Bag Service 4000
Mackenzie, BC
V0J 2C0

Dear Tom ;

Mackenzie SFM Plan PAG meetings are scheduled for Tuesday, May 26 and Wednesday, June 24.

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The Steering Committee is planning to host six (6) PAG meetings this fiscal. The focus for the first meeting (May 26) will be the review of the 2008-09 Annual Report.

Further to this, the Steering Committee would like to take this opportunity to communicate to the PAG our intended direction for the current SFMP. Due to unforeseen circumstances Canfor, BCTS, and Abitibi will not be combining SFMPs into one plan for the Mackenzie Forest District. Alternatively, Canfor and BCTS will be working with the PAG on revising the existing plan. Additional information will be distributed prior to the meeting.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



April 28, 2009

Nancy Perreault
Bag 24
Germansen Landing, BC
VOJ 1T0

Dear Nancy;

Mackenzie SFM Plan PAG meetings are scheduled for Tuesday, May 26 and Wednesday, June 24.

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The Steering Committee is planning to host six (6) PAG meetings this fiscal. The focus for the first meeting (May 26) will be the review of the 2008-09 Annual Report.

Further to this, the Steering Committee would like to take this opportunity to communicate to the PAG our intended direction for the current SFMP. Due to unforeseen circumstances Canfor, BCTS, and Abitibi will not be combining SFMPs into one plan for the Mackenzie Forest District. Alternatively, Canfor and BCTS will be working with the PAG on revising the existing plan. Additional information will be distributed prior to the meeting.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

A handwritten signature in black ink that reads "Dwight Scott Wolfe".

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Dwight Wolfe <dwight.wolfe@tesera.com>

Mac PAG: The Next Meeting of the Mackenzie PAG is scheduled for Tuesday, May 26, 2009

Dwight Wolfe <dwight.wolfe@tesera.com>

Tue, Apr 28, 2009 at
4:13 PM

Cc: "Szekely, Dan" <Dan.Szekely@canfor.com>, "Koch, Darwyn FOR:EX" <Darwyn.Koch@gov.bc.ca>
Bcc: Aaron Snively <asnive@hotmail.com>, Brent Sinclair <sinclairb@mackbc.com>, Chief Harley Davis <hdavis@saulteau.com>, Chief Jerry Asp <pjerryasp@hotmail.com>, Dave Jeans <r19ddt@telus.net>, Grant Martin <canty_creek91@xplornet.com>, Ingo Hinz <Ingo.Hinz@canfor.com>, Jim & Janet Besherse <jbesherse@xplornet.com>, Josef Kollbrand <joskoll@telus.net>, Judi Vander Maaten <Judi@district.mackenzie.bc.ca>, Keinan Carty <kcarty@mlib.ca>, Keith Playfair <Playfair@bctrucksafe.org>, Kelsey McLeod <kelsey_mcleod@yahoo.ca>, Ken & Mary Reiersen <momsfunnyfarm@xplornet.com>, Lawrence Napier <napierlr@hotmail.com>, MaryAnne Arcand <Arcand@bctrucksafe.org>, Mel Botrakoff <mel@district.mackenzie.bc.ca>, Michael Schneider <michael@going-fishing.com>, Mike Broadbent <mrstar58@telus.net>, "PPWC (Local 18)" <ppwc18@persona.ca>, Rob Weaver <weaver00@telus.net>, Ron Crosby <crosby@cnc.bc.ca>, Ron Steffey <moosevalley@xplornet.com>, Ryan Bichon <rbichon@mlib.ca>, Scott Scholefield <Scott.Scholefield@gov.bc.ca>, Shaun Kuzio <Shaun.Kuzio@abitibowater.com>, Stephanie Killam <stephanie@district.mackenzie.bc.ca>, Teena Demeulemeester <Forestry@westmo.org>, Tom and Karen Briggs <teekay74@telus.net>, Vi Lambie <jlambie@telus.net>, Vida Tattie <vireo@mackbc.com>, Warren Waycheshen <info@district.mackenzie.bc.ca>

Hi Folks,

Mackenzie SFM Plan PAG meetings are scheduled for Tuesday, May 26 and Wednesday, June 24.

The next meeting of the Mackenzie PAG is Tuesday, May 26, 2009.

Time: 10:00AM - 4:00PM

Location: Conference Room (2nd floor), Recreation Center, Mackenzie

The Steering Committee is planning to host six (6) PAG meetings this fiscal. The focus for the first meeting (May 26) will be the review of the 2008-09 Annual Report. Further to this, the Steering Committee would like to take this opportunity to communicate to the PAG our intended direction for the current SFMP. Due to unforeseen circumstances Canfor, BCTS, and Abitibi will not be combining SFMPs into one plan for the Mackenzie Forest District. Alternatively, Canfor and BCTS will be working with the PAG on revising the existing plan. Additional information will be distributed prior to the meeting.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or

MacPAG@tesera.com) by noon on Friday, May 22, 2009, if you plan on attending this meeting.

Sincerely,

DSW

--

Dwight Scott Wolfe, RPF, Cert. ConRes.

Operations Manager

Tesera Systems Inc.

250.614.3122 tel

866.698.8789 toll free

250.564.0393 fax

www.tesera.com

Cochrane

403.932.0445 tel

403.932.9395 fax

Box 1078, Cochrane, AB, T4C 1B1

Prince George

250.614.3122 tel

250.564.0393 fax

Box 2130, Prince George, BC, V2N 2J6

This e-mail message is intended only for the person or entity to which it is addressed and is confidential, subject to copyright and may be legally privileged. Any unauthorized review, use or disclosure is prohibited. If you received this in error, please contact the sender and delete all copies of the e-mail together with any attachments.



Mackenzie SFMP



Continuous Improvement Matrix

May 9, 2006

The purpose of this matrix is to capture issues presented by PAG members that can contribute to the continuous improvement of sustainable forest management but are either outside the scope of the PAG process or cannot be addressed by Canfor (Mackenzie) and BCTS (Prince George Forest District) at the present time. These issues are to be reviewed at PAG meetings for further discussion and prioritization.

No.	Perf. Matrix Ref.	Description of Issue	Suggested Strategies	Suggested Dates
1.	2-1.1	Develop baseline data for course woody debris.		June 2007
2.	3.1	Recognize advances in carbon accounting and incorporate that information once it becomes available.		On-going – June 2010
3.	1.2	Examine possibility for measures associated with shrubs, snags, and large live trees.		June 2008
4.	3	Consider opportunity for adding an indicator on forest product carbon pools.		
5.	3	Consider a new measure with carbon associated with slash burning.		
6.	1-3.1	Consider a measure for management strategies from the Northern Caribou Recovery Action Plan as it is finalized.		
7.	1.2	Develop a measure to deal with pesticide use.		
8.	9-2	Consider a measure for the management of visual quality areas recommended within the Mackenzie LRMP.		
9.	9-1.2	Consider a measure for Canfor and BCTS to sponsor and maintain new recreation sites and rest areas.		
10.	9-3 & 1-4	BCTS and Canfor to solicit public for input on additional resource features ” (Indicator_		
11.	9-5	Develop a measure around road maintenance.		

12.	9-5	Develop a smoke management strategy in consultation with the local communities.		
13.	9-5	Develop a measure on dust control for road safety.		
14.	9-5	Develop a measure to protect domestic water intake and/or supply.		
15.	<u>5-1 & 9-1</u>	<u>An opportunity to incorporate marketed and non-marketed, non-timber values into one measure</u>	<u>Revisit Measures 5-1.1 and 9-1.1 and look at incorporating marketed and non-marketed, non-timber values into one Measure</u>	<u>September 2008</u>



Mackenzie SFMP



**CANFOR - MACKENZIE/BCTS DEFINED FOREST AREA
SUSTAINABLE FOREST MANAGEMENT PLAN
SUSTAINABLE FOREST CRITERIA AND INDICATOR MATRIX**

A Framework for Sustainable Forest Management

Revision table

				Previous Version	Amended Version	Rationale	PAG Approval Date
				1-2.11 Percent compliance with Chief Forester's Standards for Seed Use.	Remove measure	Redundant - declaring a block stocked (2-3.1) means it must also be compliant with the Chief Foresters' Standard. Updates to SFMP text to refer to Chief Forester's Standards for seed use.	20-Feb-07
				2-3.1 Percent of harvested blocks declared Stocked prior to the regeneration date.	Percent of harvested blocks declared Stocked prior to the regeneration date consistent with operational plans.	PAG request to maintain consistent wording.	20-Feb-07
				2-5.1 Measured annually. Refinement of the target will be done pending analysis (Sept. 2006). Target combined between Canfor and BCTS.	Measured annually. Only fires > 1ha recorded. Refinement of the target will be done pending analysis (Sept. 2006). Target combined between Canfor and BCTS.	Revised comment to reflect MoFR protection branch process for tracking hectares burned.	20-Feb-07
				2-5.3 Percent compliance with Chief Forester's Standards for Seed Use.	Remove measure	Redundant - declaring a block stocked (2-3.1) means it must also be compliant with the Chief Foresters' Standard. Updates to SFMP text to refer to Chief Forester's Standards for seed use.	20-Feb-07
				4-3.1 Taxes paid to governments.	Municipal taxes paid to government.	GST and corporate tax tracked by head office, not by division. Not possible to assign taxes to division.	20-Feb-07
				7-2.2 Website containing SFM information relevant to the Mackenzie SFMP is developed and updated.	Remove measure	PAG satisfied with material presented on Canfor and BCTS websites if invitation to join PAG included on site.	20-Feb-07
				7-2.4 Measured annually. Will also post on public website.	Canfor and BCTS to update annually their respective webpages with current documents.	PAG amended comment to clarify intent to make documentation available to the public at least once per year.	20-Feb-07
				8-4.2 Percentage of forest operations consistent with mutually agreed upon strategies.	8-4.2 Percentage of forest operations consistent with mutually agreed upon strategies developed with First Nations.	Measure needed to be specific to strategies developed with first nations as originally intended by PAG.	20-Feb-07
				9-1.1 The percentage of harvest operations consistent with results or strategies as identified in operational plans, tactical plans and/or site plans.	The percentage of harvest operations consistent with results or strategies for recreation values as identified in operational plans, tactical plans and/or site plans.	Clarify that measure is explicit to recreation values.	20-Feb-07
				9-2.1 The percentage of forest operations consistent with visual quality requirements as identified in operational, tactical and/or site plans.	The percentage of harvesting and road building operations consistent with visual quality requirements as identified in operational, tactical and/or site plans.	To be consistent with other measures.	20-Feb-07
				9-2.2 Percentage of operations consistent with visually effective green-up buffer along roads as identified in the Mackenzie LRMP.	Percentage of harvest operations consistent with visually effective green-up buffer along roads as identified in the Mackenzie LRMP.	Specifying harvest operations limits harvesting without unduly isolating timber by restricting road ingress and silviculture activities are moot after harvesting.	20-Feb-07
				9-3.1 Percent of identified resource features that are managed or protected.	Percent of identified unique and/or significant places and features of social, cultural or spiritual importance that are managed or protected.	Clarify that the measure is specific to the indicator.	20-Feb-07
				5-1.2 Report out – dependent on list developed in 5-1.1 and report out by June 30, 2007.	Report out – dependent on list developed in 5-1.1 and report out by on or before March 31, 2008	Revised comment to reflect that report is to be completed in Fiscal 07/08.	28-Mar-07
				1-1.1 Percent area of old and mature+old seral stage by landscape unit group and BEC variant for CFLB within the DFA.	1-1.1 Percent area of old seral stage by landscape unit group and BEC Group for CFLB within the DFA.	Update the measure statement and the comments to reflect the requirements of the approved old growth order.	
				1-1.2 Percent of interior old forest by landscape unit group and BEC variant for CFLB within the DFA.	1-1.2 Percent of interior old forest by landscape unit group and NDT for CFLB within the DFA.	Update the measure statement and the comments to reflect the requirements of the approved old growth order.	
				1-1.5 Percent productive forest by BEC variant represented within the Non-harvestable land base.		Delete this measure because BEC variant is too coarse of a scale to be an effective measure of Biodiversity. PEM is a more appropriate tool to use, when it becomes available.	
				1-2.5 Trend toward unmanaged species composition on managed stands by BEC zone on the THLB.		Delete this measure because the numbers indicate that managed stands at free growing have more species diversity than unmanaged stands.	
				2-1.5 Variance between average preharvest and post harvest Site Index (at Free Growing) by inventory type group for cutblocks.		Delete measure because stands at free growing are generally too short to use growth intercept as a measure of site index. For this reason, we rely on SI-BEC as the tool to use to estimate site index at free growing.	
				2-3.5 Trend toward unmanaged species composition on managed stands by BEC zone on the THLB.		Delete this measure because the numbers indicate that managed stands at free growing have more species diversity than unmanaged stands.	
				2-5.2 Comments: Catastrophic change associated with forest health, global climate change, etc. Initial completion March 31, 2007.	2-5.2 Comments: This measure will concentrate on the ranked forest health factors identified in the the annual strategic forest health plan.	Refine the measure to concentrate efforts on the ranked forest health factors only.	

CCFM Criterion	CSA SFM Element	Value	FW Criteria	Criteria	Indicator	Measure	Target	Variance	Comments	PAG Recommendation
----------------	-----------------	-------	-------------	----------	-----------	---------	--------	----------	----------	--------------------

CCFM Criterion	CSA SFM Element	Value	FW Criteria	Criteria	Indicator	Measure	Target	Variance	Comments	PAG Recommendation
1	1.1	Ecological		Cl. Biological richness and its associated values are sustained in the defined forest area (DFA)	1-1. Ecologically distinct habitat types are represented in an unmanaged state in the DFA to sustain lesser known species and ecological function.	1-1.1 Percent area of old seral stage by landscape unit group and BEC group for CFLB within the DFA.	Targets as per the Mackenzie TSA Biodiversity Order.	0%	Canfor and BCTS to monitor BEC groups for recruitment areas when within 10% or within 1000 ha of target (whichever is less). Excludes parks which encompass whole Landscape Units.	Consensus - Mar. 28, 06
1	1.1	Ecological				1-1.2 Percent of interior old forest by landscape unit group and BEC group for CFLB within the DFA.	Targets as per the Mackenzie TSA Biodiversity Order.	0%	Excludes parks which encompass whole Landscape Units.	Consensus - Mar. 28, 06
1	1.1	Ecological				1-1.3 The amount of established landscape-level biodiversity reserves within the DFA.	≥ area set aside across the DFA.	-0.5%	Parks, Protected Areas, Wildland RMZs, OGMAs, WHAs, UWR (List to be included in the SFMP)	Consensus - Mar. 28, 06
1	1.1	Ecological				1-1.4 Hectares of unauthorized forestry-related harvesting or road construction within protected areas or established old growth management areas (OGMA).	0 ha	0	OGMAs to be established in Mackenzie TSA. Draft OGMAs are to be managed as if established.	Consensus - Mar. 28, 06
						1-1.5 Percent productive forest by BEC variant represented within the Non-harvestable land base.	Target to be established following analysis (Sept. 2006).			Consensus - May 9, 06
1	1.2	Ecological		1-2. The amount, distribution, and diversity of terrestrial and aquatic habitat types, structure and elements important to biological richness are sustained.		1-2.1 Percent area by patch size class by landscape unit group and Natural Disturbance Types.	Trend towards targets in LRMP		Patch is combined areas of harvesting within 20 years of age that are generally within 400 metres of each other including unharvested areas in-between. Measured biannually	Consensus - Mar. 28, 06
1	1.2	Ecological				1-2.2 Percentage of cutblocks that exceed coarse woody debris requirements.	100%	0%	Legal or requirements specified in operational plan. Measured annually.	Consensus - Mar. 28, 06
1	1.2	Ecological				1-2.3 Percentage of cutblocks that meet or exceed wildlife tree patch requirements.	100%	0%	Legal or requirements specified in operational and/or site plan. Measured annually.	Consensus - Mar. 28, 06
1	1.2	Ecological				1-2.4 The percentage of forest operations consistent with riparian management area requirements as identified in operational plans and/or site plans.	100%	0%	Measured annually.	Consensus - Mar. 28, 06
1	1.2	Ecological				1-2.5 Trend toward unmanaged species composition on managed stands by BEC zone on the THLB.	Target to be established following analysis (Sept. 2006).		Area weighted percent species composition at free growing measured by inventory label for all stands declared FG within the reporting period. Measured annually.	Consensus - Mar. 28, 06
2	2.2	Ecological				1-2.6 The percentage of forest operations consistent with approved provincial Caribou Ungulate Winter Range requirements.	100%	0%	Measured annually. Subject to adaptive management requirements of CSA and effectiveness monitoring (PAG comment request).	Consensus - Mar. 28, 06
3	3.2	Ecological				1-2.7 The percentage of identified unnatural sediment occurrences where mitigating actions were taken.	100%	≤5%	Mitigating actions may include referral to appropriate party. Measured annually.	Consensus - Mar. 28, 06
3	3.2	Ecological				1-2.8 Percentage of stream crossings appropriately designed and properly installed and/or removed.	100%	≤5%	Measured annually.	Consensus - Mar. 28, 06
3	3.2	Ecological				1-2.9 Percent of watersheds containing approved or proposed development with Peak Flow Index calculations completed.	100% by Sept 2007	+7 months	LRMP 6.6	Consensus - Apr. 11, 06
3	3.2	Ecological				1-2.10 Percentage of road construction or deactivation projects where prescribed revegetation occurs within 12 months of disturbance.	100%	≤10%	This will meet the LRMP requirement for reduction of noxious weeds. Revegetation may include grass seeding, willow cuttings, etc.	Consensus - Mar. 28, 06

CCFM Criterion	CSA SFM Element	Value	FW Criteria	Criteria	Indicator	Measure	Target	Variance	Comments	PAG Recommendation
3	3.2	Ecological				1-2.12 Percentage of planned roads that have an environmental risk assessment completed.	100%	≤10%	Measured annually.	Consensus - Mar. 28, 06
1	1.2	Ecological			1-3. Productive populations of selected species or species guilds are well distributed throughout the range of their habitat.	1-3.1 The percentage of forest operations consistent with approved provincial Caribou Ungulate Winter Range requirements.	100%	0%	Measured annually. Subject to adaptive management requirements of CSA and effectiveness monitoring (PAG comment request). Comment for Indicator 1.3: "Productive" means self-perpetuating, sustainable and viable.	Consensus - Apr. 11, 06
1	1.2	Ecological				1-3.2 Percent of appropriate personnel trained to identify Species at Risk in the DFA.	100%	≤10%	Measured annually.	Consensus - Apr. 11, 06
1	1.2	Ecological				1-3.3 Percent of Species at Risk in the DFA that have management strategies developed by April 2007.	100%	0%	Measured annually. Subject to adaptive management requirements of CSA and effectiveness monitoring (PAG comment request).	Consensus - Apr. 11, 06
1	1.2	Ecological				1-3.4 Percent LRMP Resource Management Zone (RMZ) specific wildlife species with management strategies by April 2007.	100%	0%	The RMZ strategy is only applicable to the RMZs in which these species have been identified. Measured annually.	Consensus - Apr. 11, 06
1	1.2	Ecological				1-3.5 Percentage of forest operations consistent with Species at Risk in the DFA management strategies as identified in operational plans, tactical plans and/or site plans.	100%	≤5%	Measured annually. Commencing after April 2007.	Consensus - Apr. 11, 06
1	1.2	Ecological				1-3.6 Percentage of forest operations consistent with LRMP Resource Management Zone (RMZ) specific wildlife species management strategies as identified in operational plans, tactical plans and/or site plans.	100%	≤5%	Measured annually. Commencing after April 2007.	Consensus - Apr. 11, 06
						1-3.7 Report out on the annual results from the Mugaha Marsh bird banding station.	Report out on		Annually.	Consensus - May 9, 06
1	1.4	Ecological			1-4. Government designated protected areas and sites of special biological significance are sustained at the site and sub regional level	1-4.1 The amount of established landscape-level biodiversity reserves within the DFA.	≥ area set aside across the DFA.	-0.5%	Parks, Protected Areas, Wildland Resource Management Zones, OGMAs, WHAs, UWR (List to be included in the SFMP).	Consensus - Apr. 11, 06
1	1.4	Ecological				1-4.2 Hectares of unauthorized forestry-related harvesting or road construction within protected areas or established old growth management areas (OGMA).	0 ha	0 ha	OGMAs to be established in Mackenzie TSA. Draft OGMAs are to be managed as if established.	Consensus - Apr. 11, 06
1	1.4	Ecological				1-4.3 Percent of appropriate personnel trained to identify sites of biological significance in the DFA.	100%	≤10%	Measured annually.	Consensus - Apr. 11, 06
1	1.4	Ecological				1-4.4 Percent of sites of biological significance that have management strategies developed by April 2007.	100%	0%	Measured annually. "Sites" refers to features that can be found in the field. Management strategies address types of sites, not necessarily specific sites.	Consensus - Apr. 11, 06
1	1.4	Ecological				1-4.5 Percentage of forest operations consistent with sites of biological significance management strategies as identified in operational plans, tactical plans and/or site plans.	100%	≤5%	Measured annually commencing after April 2007.	Consensus - Apr. 11, 06
Criterion 3	3.1	Environmental	2	C II. The productive capability of forest ecosystems within the Timber Harvesting Landbase (THLB) is sustained.	2-1. Biological components of forest soils are sustained.	2-1.1 Percentage of cutblocks that exceed coarse woody debris requirements.	100%	0%	Legal or requirements specified in operation plan. Measured annually.	Consensus - Feb. 28, 06
						2-1.2 The percentage of forest operations consistent with soil conservation standards as identified in operational plans and/or site plans	100%	0%	Measured annually. Operational plan requirements are specific to each block based on soil hazard assessment.	Consensus - Feb. 28, 06

CCFM Criterion	CSA SFM Element	Value	FW Criteria	Criteria	Indicator	Measure	Target	Variance	Comments	PAG Recommendation
						2-1.3 The percentage of forest operations consistent with terrain management requirements as identified in operational plans and/or site plans.	100%	0%	Measured annually. Operational plan requirements are specific to each block based on terrain stability indicators.	Consensus - Feb. 28, 06
						2.1.4 The number of EMS reportable spills.	0	< 5	Measured annually. Report on spills and actions taken. EMS as per Canfor and BCTS (and listed in SFMP). Add definition of running water and applicability to standing water. Variance is combined between Canfor and BCTS.	Consensus - Mar. 14, 06
						2-1.5 Variance between average preharvest and post harvest Site Index (at Free Growing) by inventory type group for cutblocks.	> 0	0%	Interim measure - Measured annually, includes blocks at late free growing date within reporting period.	Consensus - Feb. 28, 06
					2-2. Productive land-base loss as a result of forestry activities is minimized.	2-2.1 Area of THLB converted to non-forest land use through forest management activities.	<5%	0%	Refinement of the target will be done pending analysis.	Consensus - Feb. 28, 06
						2-2.2 The percentage of gross cutblock area occupied by total permanent access structures.	<5%	1%	Averaged annually.	Consensus - Feb. 28, 06
						2-2.3 Inclusion of access management in communication strategies with stakeholders.	100%	0%	Measured annually. Intent is to coordinate access to minimize area of roads.	Consensus - Feb. 28, 06
					2-3. Total growing stock of merchantable and non-merchantable tree species on forest land available for timber production.	2-3.1 Percent of harvested blocks declared Stocked prior to the regeneration date consistent with operational plans.	100%	≤5%	Measured annually. Query blocks where RD is in this reporting period.	Consensus - Feb 20, 07
						2-3.2 Percent of harvested blocks declared Free Growing prior to the late free growing assessment date.	100%	≤5%	Measured annually. Query blocks where LFG is in this reporting period.	Consensus - Mar 14, 05
						2-3.3 Percent compliance with stocking levels and species composition requirements contained in operational plans.	100%	0%	Measured annually.	Consensus - Mar 14, 06
1	1.2	Ecological				2.3-4 Trend toward unmanaged species composition on managed stands by BEC zone on the THLB.	Target to be established following analysis (Sept. 2006).		Area weighted percent species composition at free growing measured by inventory label for all stands declared FG within the reporting period. Measured annually.	Consensus - Mar 14, 06
					2-4. No net detrimental loss in productivity as a result of forestry-related slope instability.	2-4.1 The percentage of forest operations consistent with terrain management requirements as identified in operational plans and/or site plans.	100%	0%	Measured annually. Operational plan requirements are specific to each block based on terrain stability indicators.	Consensus - Mar 14, 06
					2-5 Natural disturbance levels and risk levels are managed for such that resistance to catastrophic change and the ability to recover on the landscape level is sustained.	2-5.1 Number of hectares (area) damaged by accidental forestry-related industrial fires.	<100 ha	+5ha	Measured annually. Only fires > 1ha recorded. Refinement of the target will be done pending analysis (Sept. 2006). Target combined between Canfor and BCTS.	Consensus - Feb 20, 07
						2-5.2 Percentage of identified risk factors with updated management strategies.	100%	0%	Catastrophic change associated with forest health, global climate change, etc. Initial completion March 31, 2007.	Consensus - Mar 14, 06
				C III. Forest ecosystem contributions to global ecological cycles are sustained within the DFA.	3-1. The forest ecosystem carbon pool for the defined management area is maintained or increased.	3-1.1 Area of THLB converted to non-forest land use through forest management activities.	<5%	0%	Refinement of the target will be done pending analysis.	Consensus - Mar 14, 06
						3-1.2 Percentage of cutblocks that exceed coarse woody debris requirements.	100%	0%	Legal or requirements specified in operation plan. Measured annually.	Consensus - Mar 14, 06
						3-1.3 Percent of harvested blocks declared Stocked prior to the regeneration date.	100%	≤5%	Measured annually. Query blocks where RD is in this reporting period.	Consensus with one abstention - Mar 14, 06

CCFM Criterion	CSA SFM Element	Value	FW Criteria	Criteria	Indicator	Measure	Target	Variance	Comments	PAG Recommendation
						3-1.4 Percent of harvested blocks declared Free Growing prior to the late free growing assessment date.	100%	≤5%	Measured annually. Query blocks where LFG is in this reporting period.	Consensus - Mar 14, 06
						3-1.5 Percent compliance with stocking levels and species composition requirements contained in operational plans.	100%	0%	Measured annually.	Consensus - Mar 14, 06
						3-1.6 The percentage of forest operations consistent with soil conservation standards as identified in operational plans and/or site plans	100%	0%	Measured annually. Operational plan requirements are specific to each block based on soil hazard assessment.	Consensus - Mar 14, 06
					3-3. The processes that take carbon from the atmosphere and store it in forest ecosystems are sustained.	3-3.1 Area of THLB converted to non-forest land use through forest management activities.	<5%	0%	Refinement of the target will be done pending analysis.	Consensus - Mar 14, 06
						3-3.2 Percent compliance with stocking levels and species composition requirements contained in operational plans.	100%	0%	Measured annually.	Consensus - Mar 14, 06
						3-3.3 Percent of harvested blocks declared Stocked prior to the regeneration date.	100%	≤5%	Measured annually. Query blocks where RD is in this reporting period.	Consensus - Mar 14, 06
						3-3.4 Percent of harvested blocks declared Free Growing prior to the late free growing assessment date.	100%	≤5%	Measured annually. Query blocks where LFG is in this reporting period.	Consensus - Mar 14, 06
		Economic	4	C IV. The flow of economic benefits from forests through the forest industry is sustained.	4-1. Timber harvesting continues to contribute to economic well-being.	4-1.1 Actual harvest volume compared to the apportionment across the DFA over each 5 year cut control period.	100%	+/- 10%	Reported annually. Measured on anniversary of cut control period.	Consensus - May 9, 06
5		Economic				4-1.2 Percent compliance with waste and residue standards.	100%	≤5%	Measured annually. Number of inspections indicating compliance	Consensus - May 9, 06
5		Economic			4-2. The public (stakeholders, residents and interested parties) continues to receive a portion of the benefits.	4-2.1 Canfor to provide opportunities to purchase wood from private enterprises.	Opportunity exists	N/A	Private enterprises include any legal source such as woodlot owners, mining claims, private land, non-replaceable forest licenses, etc.	Consensus - Apr 25, 06
						4-2.2 The number of first order wood products produced from trees harvested from the DFA.	5	≤2		Consensus - Apr 25, 06
						4-2.3 The percent of money spent on forest operations and management on the DFA provided from northern central interior (NCI) suppliers (Stumpage not included).	Report out on		NCI is defined as Smithers to McBride and 100 Mile House to Fort St. John. Intent is, to the extent possible, support business within the NCI.	Consensus - Apr 25, 06
						4-2.4 The number of support opportunities provided to the public (stakeholders, residents and interested parties).	Report out on		Support opportunities include community support services, <i>pro bono</i> work, training opportunities to small contractors, etc. (Canfor only) - Report out on dollars spent and types of opportunities offered.	Consensus - Apr 25, 06
						4-2.5 Report out on the amount of money directed towards environmental projects.	Report out on		Refers to inventory, monitoring, research and enhancement.	Consensus - May 9, 06
					4-3. Governments continue to receive a portion of the benefits.	4-3.1 Municipal taxes paid to governments.	100%	0%	Measured annually.	Consensus - Feb 20, 07
						4-3.2 Stumpage paid to government.	100%	0%	Measured annually.	Consensus - Apr 25, 06
					4-4. Opportunities to receive a portion of the benefits exist for First Nations.	4-4.1 The number of support opportunities provided to First Nations with Treaty area and/or asserted traditional territory within the DFA.	Report out on		Support opportunities include community support services, <i>pro bono</i> work, training opportunities, etc. (Canfor only). Report out the number of opportunities provided and the number of First Nations provided with opportunities.	Apr 25, 06 Indicator accepted - with 1 dissension; measure accepted - with 1 dissension

CCFM Criterion	CSA SFM Element	Value	FW Criteria	Criteria	Indicator	Measure	Target	Variance	Comments	PAG Recommendation
						4-4.2 The number of contract opportunities provided to First Nations with Treaty area and/or asserted traditional territory within the DFA.	Report out on		Report out on the number of opportunities provided and the number of First Nations provided with opportunities.	Apr 25, 06 Measure accepted - with 1 dissension
						4-4.3 The total value of transactions undertaken with First Nations with Treaty area and/or asserted traditional territory within the DFA.	Report out on		Transactions include monetary donations and contracts.	Consensus - Apr 25, 06
					4-5. A competitive, diversified forestry sector exists.	4-5.1 The percentage of DFA volume advertised for sale through open competitive bid.	40%	-5%	Measured annually. DFA volume is defined as Canfor and BCTS apportionment.	Consensus - May 9, 06
						4-5.2 A competitive primary milling facility is sustained.	≥2	0	Canfor only.	Consensus - May 9, 06
					4-6. Levels of forest damaging events or agents are managed such that their economic impact is minimized.	4-6.1 Percentage of identified risk factors with updated management strategies.	100%	0%	Repeat measure. Catastrophic change associated with forest health, global climate change, etc. Initial completion March 31, 2007.	Consensus - May 9, 06
						4-6.2 Areas with stand damaging agents will be prioritized for treatment.	100%	-10%	Measured annually. Treatment may include harvesting. Some PAG members do not want chemical treatment used or have a specific concern about the use of MSMA. Stand damaging agents do not include competitive vegetation.	Consensus - May 9, 06
						4-6.3 Number of hectares (area) damaged by accidental forestry-related industrial fires.	<100 ha	+5ha	Repeat measure. Measured annually. Refinement of the target will be done pending analysis (Sept. 2006). Target combined between Canfor and BCTS	Consensus - May 9, 06
		Economic	5	C V. The flow of marketed non-timber economic benefits from forests is sustained.	5-1. Amount and quality of marketed non-timber forest resources does not decline over the long-term.	5-1.1 List of existing and documented potential for marketed non-timber benefits.	Report out on		Develop a list for the management unit – completion June 30, 2007.	Indicator: Consensus with one abstention- May 9, 06. Measure: Consensus - May 9, 06
						5-1.2 Description of potential implications of SFM practices on the amount and quality of marketed non-timber values.	Report out on		Report out – dependent on list developed in 5-1.1 and report out by on or before March 31, 2008	Consensus - May 9, 06 Amended Mar 28, 2007
						5-1.3 The percentage of forest operations consistent with range requirements as identified in operational plans and/or site plans.	100%	0%	Measured annually	Consensus - May 9, 06
		Economic	6	C VI. Forest management contributes to a diversified local economy.	6-1. Employment and income sources and their contribution to the local economy continue to be diversified.	6-1.1 Employment supported by each sector of the local economy (actual and percentage of total employment).	Report out on		Report out in conjunction with TSR. Local economy is defined as the TSA and areas immediately adjacent to the TSA.	Consensus - May 9, 06
						6-1.2 Contribution of income sources from each sector of the local economy (actual and percentage of total income).	Report out on		Report out in conjunction with TSR.	Consensus - May 9, 06
						6-1.3 The number of opportunities given to businesses within, or immediately adjacent to the TSA to provide non-tendered services to forest management activities.	Report out on		Measured annually. Report out on the number of opportunities provided and the number of businesses provided with opportunities.	Consensus - May 9, 06
						6-1.4 The number of first order wood products produced from trees harvested from the DFA.	5	≤2	Repeated measure. Measured annually.	Consensus - May 9, 06
						6-1.5 The number of support opportunities provided within, or immediately adjacent to, the TSA.	Report out on		Repeat of measure 4-4.1. Support opportunities include community support services, <i>pro bono</i> work, training opportunities, etc. (Canfor only). Report out the number of opportunities provided and the number of communities, organizations, or individuals provided with opportunities.	Consensus - May 9, 06

CCFM Criterion	CSA SFM Element	Value	FW Criteria	Criteria	Indicator	Measure	Target	Variance	Comments	PAG Recommendation
6	6.3	Social	7	C VII. Decisions guiding forest management on the DFA are informed by and respond to a wide range of social and cultural values.	7-1. Forest management planning adequately reflects the interests and issues raised by the public (stakeholders, residents and interested parties) in the DFA through an effective and meaningful (to the participants) public participation process.	7-1.1 Implement and update a comprehensive list of stakeholders and affected or interested parties.	1	0	Measured annually.	Consensus - Feb. 14, 06
						7-1.2 The number of opportunities for PAG to review and provide comment on the SFMP.	≥1	0	Measured annually.	Consensus - Feb. 14, 06
						7-1.3 Number of Public Advisory Group meetings per year.	≥ 1	0	Measured annually.	Consensus - Feb. 14, 06
						7-1.4 The level of satisfaction of the PAG members with the process.	100%	-20%	To be measured after each meeting, based on the average result of question M12 from the PAG meeting evaluation form. Satisfaction is defined as a rating of 4 or better. Results to be provided at the following meeting.	Consensus - Feb. 14, 06
						7-1.5 Maintain and review at least annually and as required the Mackenzie SFMP PAG TOR, to ensure a credible and transparent process.	≥1	0	Measured annually	Consensus - Feb. 14, 06
						7-1.6 Survey residents, stakeholders and First Nations regarding their satisfaction with forest management (process and outcomes).	once in year 1, every 3 years thereafter	0	Survey population to include residents of rural communities.	Consensus - Feb. 14, 06
						7-1.7 Percentage of the public sectors as defined in the ToR invited to participate in the PAG process.	100%	0%	Measured annually. Includes also those sectors that may have been removed from the TOR (lack of representation).	Consensus - Feb. 14, 06
						7-1.8 Percentage of PAG satisfaction with amount and timing of information presented for informed decision-making.	100%	-20%	To be measured after each meeting, based on the average result of question M10 from the PAG meeting evaluation form. Satisfaction is defined as a rating of 4 or better. Results to be provided at the following meeting.	Consensus - Feb. 14, 06
						7-1.9 Report out on consistency of Indicators or measures with LRMP objectives.	Report out on		For areas common to both plans. PAG wants to ensure that SFMP measures reflect LRMP intent.	Consensus - May 9, 06
	6.4	Social	7		7-2. Information is effectively exchanged between DFA forest resource managers and the public through a varied and collaborative planning approach to facilitate mutual understanding and recognition.	7-2.1 The number of opportunities given to the public and stakeholders to express forestry-related concerns and be involved in our planning processes.	6	-2	Measured annually, opportunities may include PAG, open houses, annual reports, referrals, mailings, etc.	Consensus - Feb. 14, 06
						7-2.3 The percent of timely responses to written and documented concerns.	100%	-5%	Measured annually. Timely response is defined as 30 days from receipt. Includes letters, email, and faxes.	Consensus - Feb. 14, 06
						7-2.4 Distribution/access to SFM Plan, annual reports and audit results.	1	0	Canfor and BCTS to update annually their respective web pages with current documents.	Consensus - Feb. 20, 07
						7-2.5 The number of SFM educational opportunities and interactions provided.	2	0	Measured annually.	Consensus - Feb. 14, 06
						7-2.6 Percentage of mutually agreed upon communication strategies met.	100%	-5%	Communication strategies are on an individual basis. April 2007	Consensus - May 9, 06
Clause 4.1, 4.2, 7	CSA clause 4.1, 4.2, 7	Social	7		7-3. An adaptive management program is implemented for all levels of the Framework (Strategic, Tactical, Operational).	7-3.1 Adaptive Management strategy is developed, documented, acted upon and reviewed.	1	0	Measured annually.	Consensus - Feb. 14, 06
						7-3.2 Monitoring plan for indicators is developed, documented, acted upon and reviewed.	1	0	Measured annually.	Consensus - Feb. 14, 06

CCFM Criterion	CSA SFM Element	Value	FW Criteria	Criteria	Indicator	Measure	Target	Variance	Comments	PAG Recommendation
						7-3.3 Reports and analysis of monitoring information – Annual Report	1	0	Measured annually.	Consensus - Feb. 14, 06
		Social	8	C VIII. Forest management sustains or enhances the cultural (material and economic), health (physical and spiritual) and capacity benefits that First Nations derive from forest resources.	8-1. Forest management recognizes and respects First Nations rights and Treaty rights.	8-1.1 Percentage of forest operations consistent with the Heritage Conservation Act.	100%	0%	Measured annually.	Apr 25, 06 Indicator accepted - with 2 dissensions. Measure accepted with 1 dissension.
						8-1.2 Maintain and review at least annually and as required the Mackenzie SFMP PAG Terms of Reference to recognize that First Nation participation in the public process will not prejudice First Nation rights and Treaty rights.	≥1	0	Measured annually.	Apr 25, 06 Measure accepted with 1 dissension
					8-2. First Nations are provided with detailed, meaningful, and reciprocal knowledge pertaining to forest use as well as forest management plans prior to government approval and implementation.	8-2.1 The number of opportunities for First Nations to provide meaningful input into our planning processes.	≥2 per First Nation	0	Measured annually. Target is combined between Canfor and BCTS and relates to First Nations with Treaty area and/or asserted territory in the DFA.	Apr 25, 06 Indicator and measure accepted - with 1 dissension
					8-3. The relationship between forest management and First Nations' culture and tradition is acknowledged as important.	8-3.1 Percentage of issues raised by First Nations peoples evaluated and responded to in a timely manner by Canfor and BCTS.	100%	10%	Measured annually.	Apr 25, 06 Indicator and measure accepted - with 1 dissension
						8-3.2 Percentage of issues raised by First Nations' Chief & Council or their authorized representative developed into mutually agreed upon strategies.	100%	50%	Measured annually. Over time the intent is to decrease the variance. Canfor and BCTS are committed to addressing issues which are within their forest management purview. Report out on the number of communication protocols established with First Nations.	Apr 25, 06 Measure accepted - with 1 dissension
					8-4. Local management is effective in controlling their impact on the maintenance of and access to resources for First Nations.	8-4.1 Incorporation of mutually agreed upon strategies to address First Nation peoples' values, knowledge, and uses into SFMP, operational plans, tactical plans and/or site plans.	100%	0%	Measured annually. Intention is to incorporate the strategy into any one or all of the plans mentioned.	Apr 25, 06 Indicator accepted - with 2 dissensions, measure accepted with 1 dissension
						8-4.2 Percentage of forest operations consistent with mutually agreed upon strategies developed with First Nations.	100%	0%	Measured annually. Starts after mutually agreed upon strategies are in place.	Apr 25, 06 Measure accepted - with 1 dissension Amended Feb 20, 07
		Social	9	C IX. Forest management sustains ongoing opportunities for a range of quality of life benefits.	9-1. Resources and opportunities for recreation (including quality of experience) are maintained or enhanced.	9-1.1 The percentage of harvest operations consistent with results or strategies for recreation values as identified in operational plans, tactical plans and/or site plans.	100%	0%	Measured annually. Maintain existing access and integrity of recreation sites and trails. Resources and opportunities for recreation include berry picking, wildflowers (sensitive), bird watching, hiking, snowmobiling, canoeing, hunting, fishing, camping, skiing, etc.	Consensus - Feb 20, 07
					9-2. Visual quality of harvested/managed landscape is acceptable to a broad range of stakeholders/visitors.	9-2.1 The percentage of harvesting and road building operations consistent with visual quality requirements as identified in operational, tactical and/or site plans.	100%	0%	Measured annually.	Consensus - Feb 20, 07
						9-2.2 Percentage of harvest operations consistent with visually effective green-up buffer along roads as identified in the Mackenzie LRMP.	100%	0%	Measured annually. Harvesting may be allowed for forest health or salvage purposes.	Consensus - Feb 20, 07
					9-3. Forest management conserves unique and/or significant places and features of social, cultural or spiritual importance.	9-3.1 Percent of identified unique and/or significant places and features of social, cultural or spiritual importance that are managed or protected.	100%	0%	Measured annually. Identified resources include those identified within the FPC/FRPA or the Mackenzie LRMP.	Consensus - Feb 20, 07

CCFM Criterion	CSA SFM Element	Value	FW Criteria	Criteria	Indicator	Measure	Target	Variance	Comments	PAG Recommendation
					9-4. Worker safety is maintained.	9-4.1 Written safety policies in place and full implementation is documented.	2	0	Measured annually. One per organization.	Consensus - May 9, 06
						9-4.2 Number of lost time accidents in woodlands operations.	0	0	Measured annually. Includes Canfor and BCTS staff.	Consensus - May 9, 06
					9-5. Forest management considers public health and safety implications.	9-5.1 Signage on FSRs and main haul roads to be kept current.	100%	-5%	Measured annually for current operations.	Consensus - May 9, 06

Land and Resource Management Plan		Mackenzie SFMP Version 10.1 Indicator Statement				CSA Z809-08 Standard Core Indicator
Management Direction	Objective	Indicator #	Indicator #	Indicator Statement	Indicator Statement	CSA Z809-08 Standard Core Indicator
6.2 Community stability and development	6.2.0-1 Manage resource development to optimize benefits to communities within the Plan Area, and to promote community, district, and provincial stability	25	25	Percentage of area (ha) harvested that are damaged or considered a high risk to stand damaging agents.	Quantity and quality of timber and non-timber benefits, products, and services produced within the DFA. Level of investment in initiatives that contribute to community sustainability. Level of investment in training and skills development. Level of direct and Indirect employment.	
		26	26	Actual harvest volume compared to the apportionment across the DFA over each 5 year cut control period.		
		28	28	The number of first order wood products produced from trees harvested from the DFA.		
		29	29	The percent of money spent on forest operations and management in the DFA provided from local suppliers.		
6.2 Community stability and development	6.2.0-2 Manage resource development to provide long term employment opportunities for all communities in the Plan Area	25	25	Percentage of area (ha) harvested that are damaged or considered a high risk to stand damaging agents.	Quantity and quality of timber and non-timber benefits, products, and services produced within the DFA. Level of investment in initiatives that contribute to community sustainability. Level of investment in training and skills development. Level of direct and Indirect employment.	
		26	26	Actual harvest volume compared to the apportionment across the DFA over each 5 year cut control period.		
		28	28	The number of first order wood products produced from trees harvested from the DFA.		
		29	29	The percent of money spent on forest operations and management in the DFA provided from local suppliers.		
6.2 Community stability and development	6.2.0-3 Utilize natural resources to maintain or increase opportunities in the district and region.	25	25	Percentage of area (ha) harvested that are damaged or considered a high risk to stand damaging agents.	Quantity and quality of timber and non-timber benefits, products, and services produced within the DFA.	
		26	26	Actual harvest volume compared to the apportionment across the DFA over each 5 year cut control period.		
		28	28	The number of first order wood products produced from trees harvested from the DFA.		
		29	29	The percent of money spent on forest operations and management in the DFA provided from local suppliers.		
6.3 Biodiversity	6.3.0-1 Manage for natural biological diversity by maintaining functioning and representative ecosystems across the plan area.	1	1	Percent of blocks and roads harvested that meet the prescribed old growth targets.	Ecosystems area by type. Forest area by type or species composition. Forest area by seral stage or age class. Degree of within-stand structural retention.	
		2	2	Percent of blocks and roads harvested that meet the prescribed interior old targets.		
		3	3	Percentage of blocks and roads harvested that are not within legally established protected areas, ecological reserves, or OGMA's.		
		4	4	Percent productive forest by BEC variant represented within the Non-harvestable land base.		
		5	5	Percentage of blocks and roads harvested that meet the prescribed patch size target ranges or are trending towards the target range.		
		6	6	The percentage of blocks and roads harvested that exceed coarse woody debris requirements		

Land and Resource Management Plan			Mackenzie SFMP Version 10.1 Indicator Statement		
Management Direction	Objective	Indicator #	Indicator Statement	CSA Z809-08 Standard Core Indicator	
		7	Percentage of cutblocks that meet or exceed wildlife tree patch requirements.		
		8	The percentage of forest operations consistent with riparian management area requirements as identified in operational plans and/or site plans.		
6.3 Biodiversity	6.3.0-2 Address ecosystem damage from past resource development activities.	N/A	None	none	
6.3 Biodiversity	6.3.0-3 Maintain or enhance rare or uncommon ecosystems and plant species.	3	Percentage of blocks and roads harvested that are not within legally established protected areas, ecological reserves, or OGMA's.	Degree of habitat protection for selected focal species, including species at risk. Degree of suitable habitat in the long term for selected local species, including species at risk. Proportion of identified sites with implemented management strategies. Protection of identified sacred and culturally important sites.	
		4	Percent productive forest by BEC variant represented within the Non-harvestable land base.		
		14	Percentage of blocks and roads harvested that adhere to management strategies for Species at Risk, Ungulate Winter Ranges, and other local species of importance.		
		15	Percentage of blocks and roads harvested that adhere to management strategies for sites of biological significance.		
6.4 Air Quality	6.4.0-1 Maintain a high standard of air quality	N/A	None		
6.5 Soils	6.5.0-1 Minimize soil erosion and/or productivity losses	12	Percentage of road construction or deactivation projects where prescribed re-vegetation occurs within 12 months of disturbance.	Level of soil disturbance. Level of downed woody debris.	
		13	Percentage of planned roads that have an environmental risk assessment completed.		
		16	The percentage of forest operations consistent with soil conservation standards as identified in operational plans and/or site plans.		
		17	The percentage of forest operations consistent with terrain management requirements as identified in operational plans and/or site plans.		
		18	The number of EMS reportable spills.		
		20	Area of THLB converted to non-forest land use through forest management activities.		
		21	The percentage of gross cutblock area occupied by total permanent access structures.		
6.5 Soils	6.5.0-2 Address soil disturbance and loss of soil productivity from past resource development activities.	N/A	None	None	
6.6 Water	6.6.0-1 Manage resource use activities/human activities to maintain water quality	8	The percentage of forest operations consistent with riparian management area requirements as identified in operational plans and/or site plans.	Proportion of watershed or water management areas with recent stand-replacing disturbance.	
		9	The percentage of identified unnatural sediment occurrences where mitigating actions were taken.		

Land and Resource Management Plan			Mackenzie SFMP Version 10.1 Indicator Statement		CSA Z809-08 Standard Core Indicator
Management Direction	Objective	Indicator #			
			10	Percentage of stream crossings appropriately designed and properly installed and/or removed.	
			11	Percent of watersheds containing approved or proposed development with Peak Flow Index calculations completed.	
			12	Percentage of road construction or deactivation projects where prescribed re-vegetation occurs within 12 months of disturbance.	
			18	The number of EMS reportable spills.	
6.6 Water	6.6.0-2 Restore water quality where it has been degraded by past resource management activities.	N/A		None	none
6.6 Water	6.6.0-3 Manage potential effects of resource development activities on natural stream flow regime to maintain watershed hydrological integrity.		8	The percentage of forest operations consistent with riparian management area requirements as identified in operational plans and/or site plans.	Proportion of watershed or water management areas with recent stand-replacing disturbance.
			9	The percentage of identified unnatural sediment occurrences where mitigating actions were taken.	
			10	Percentage of stream crossings appropriately designed and properly installed and/or removed.	
			11	Percent of watersheds containing approved or proposed development with Peak Flow Index calculations completed.	
			12	Percentage of road construction or deactivation projects where prescribed re-vegetation occurs within 12 months of disturbance.	
			18	The number of EMS reportable spills.	
6.7 Fish and Fish Habitat	6.7.0-1 Conserve the abundance and diversity of naturally occurring fish and shellfish populations and their habitats.		8	The percentage of forest operations consistent with riparian management area requirements as identified in operational plans and/or site plans.	Degree of habitat protection for selected focal species, including species at risk. Degree of suitable habitat in the long term for selected local species, including species at risk. Proportion of identified sites with implemented management strategies. Protection of identified sacred and culturally important sites. Proportion of watershed or water management areas with recent stand-replacing disturbance.
			10	Percentage of stream crossings appropriately designed and properly installed and/or removed.	
			11	Percent of watersheds containing approved or proposed development with Peak Flow Index calculations completed.	
			14	Percentage of blocks and roads harvested that adhere to management strategies for Species at Risk, Ungulate Winter Ranges, and other local species of importance.	
			15	Percentage of blocks and roads harvested that adhere to management strategies for sites of biological significance.	
6.7 Fish and Fish Habitat	6.7.0-2 Maintain or enhance habitat of threatened or endangered (red-listed) and vulnerable (blue-listed) fish and shellfish species.		8	The percentage of forest operations consistent with riparian management area requirements as identified in operational plans and/or site plans.	Degree of habitat protection for selected focal species, including species at risk. Degree of suitable habitat in the long term for selected local species, including species at risk. Proportion of identified sites with implemented management strategies. Protection of identified sacred and culturally important sites. Proportion of watershed or water management areas with recent stand-replacing disturbance.
			10	Percentage of stream crossings appropriately designed and properly installed and/or removed.	
			11	Percent of watersheds containing approved or proposed development with Peak Flow Index calculations completed.	

Land and Resource Management Plan			Mackenzie SFMP Version 10.1 Indicator Statement			
Management Direction	Objective	Indicator #	Indicator Statement	CSA Z809-08 Standard Core Indicator		
		14	Percentage of blocks and roads harvested that adhere to management strategies for Species at Risk, Ungulate Winter Ranges, and other local species of importance.			
		15	Percentage of blocks and roads harvested that adhere to management strategies for sites of biological significance.			
6.7	Fish and Fish Habitat	6.7.0-3	Manage fish habitat and fish stocks for sustainable sports and sustenance fisheries.	8	The percentage of forest operations consistent with riparian management area requirements as identified in operational plans and/or site plans.	Degree of habitat protection for selected focal species, including species at risk. Degree of suitable habitat in the long term for selected local species, including species at risk. Proportion of identified sites with implemented management strategies. Protection of identified sacred and culturally important sites.
				11	Percent of watersheds containing approved or proposed development with Peak Flow Index calculations completed.	
6.8	Wildlife and Wildlife Habitat	6.8.0-1	Maintain habitat needs for all naturally occurring wildlife species across the Plan Area.	14	Percentage of blocks and roads harvested that adhere to management strategies for Species at Risk, Ungulate Winter Ranges, and other local species of importance.	Degree of habitat protection for selected focal species, including species at risk. Degree of suitable habitat in the long term for selected local species, including species at risk. Proportion of identified sites with implemented management strategies. Protection of identified sacred and culturally important sites.
				15	Percentage of blocks and roads harvested that adhere to management strategies for sites of biological significance.	
6.8	Wildlife and Wildlife Habitat	6.8.0-2	Maintain or enhance habitat for threatened or endangered (red-listed), vulnerable (blue-listed) and regionally important wildlife species, not to the detriment of the ecosystem as a whole.	14	Percentage of blocks and roads harvested that adhere to management strategies for Species at Risk, Ungulate Winter Ranges, and other local species of importance.	Degree of habitat protection for selected focal species, including species at risk. Degree of suitable habitat in the long term for selected local species, including species at risk. Proportion of identified sites with implemented management strategies. Protection of identified sacred and culturally important sites.
				15	Percentage of blocks and roads harvested that adhere to management strategies for sites of biological significance.	
6.8	Wildlife and Wildlife Habitat	6.8.0-3	Manage wildlife populations at sustainable levels to meet both consumptive and non-consumptive uses, consistent with the management direction of each RMZ.	14	Percentage of blocks and roads harvested that adhere to management strategies for Species at Risk, Ungulate Winter Ranges, and other local species of importance.	Degree of habitat protection for selected focal species, including species at risk. Degree of suitable habitat in the long term for selected local species, including species at risk. Proportion of identified sites with implemented management strategies. Protection of identified sacred and culturally important sites.
				15	Percentage of blocks and roads harvested that adhere to management strategies for sites of biological significance.	
6.8.1	Wildlife and Wildlife Habitat - Caribou Management	6.8.1-1	Manage and perpetuate caribou and caribou habitats within the Mackenzie LRMP Area within the context of other wildlife species, continued resource extraction activities, and existing and increased recreational use.	14	Percentage of blocks and roads harvested that adhere to management strategies for Species at Risk, Ungulate Winter Ranges, and other local species of importance.	Degree of habitat protection for selected focal species, including species at risk. Degree of suitable habitat in the long term for selected local species, including species at risk. Proportion of identified sites with implemented management strategies. Protection of identified sacred and culturally important sites.
				15	Percentage of blocks and roads harvested that adhere to management strategies for sites of biological significance.	
6.8.1	Wildlife and Wildlife Habitat - Caribou Management	6.8.1-2	Establish a Biologist's Technical Committee for Caribou Management (BTCCM), to advise on further inventory, research and monitoring of caribou and caribou habitat and advise on a refined and adaptive caribou management direction.	N/A	None	none
6.8.2	Wildlife and Wildlife Habitat - Grizzly Bear Management	6.8.2-1	Identify and manage to conserve grizzly bear habitat to assist in sustaining viable populations.	14	Percentage of blocks and roads harvested that adhere to management strategies for Species at Risk, Ungulate Winter Ranges, and other local species of importance.	Degree of habitat protection for selected focal species, including species at risk. Degree of suitable habitat in the long term for selected local species, including species at risk. Proportion of identified sites with

Land and Resource Management Plan			Mackenzie SFMP Version 10.1 Indicator Statement		
Management Direction	Objective	Indicator #	Indicator Statement	CSA Z809-08 Standard Core Indicator	
		15	Percentage of blocks and roads harvested that adhere to management strategies for sites of biological significance.	implemented management strategies. Protection of identified sacred and culturally important sites.	
6.8.2 Wildlife and Wildlife Habitat - Grizzly Bear Management	6.8.2-2 Improve the management of interactions between grizzly bears and humans	14	Percentage of blocks and roads harvested that adhere to management strategies for Species at Risk, Ungulate Winter Ranges, and other local species of importance.	Degree of habitat protection for selected focal species, including species at risk. Degree of suitable habitat in the long term for selected local species, including species at risk. Proportion of identified sites with implemented management strategies. Protection of identified sacred and culturally important sites.	
		15	Percentage of blocks and roads harvested that adhere to management strategies for sites of biological significance.	implemented management strategies. Protection of identified sacred and culturally important sites.	
6.8.2 Wildlife and Wildlife Habitat - Grizzly Bear Management	6.8.2-3 Manage access to maintain healthy grizzly bear populations	14	Percentage of blocks and roads harvested that adhere to management strategies for Species at Risk, Ungulate Winter Ranges, and other local species of importance.	Degree of habitat protection for selected focal species, including species at risk. Degree of suitable habitat in the long term for selected local species, including species at risk. Proportion of identified sites with implemented management strategies. Protection of identified sacred and culturally important sites.	
6.9 Trapping	6.9.0-1 Maintain opportunities for sustained fur harvesting and related trapping activities to optimize benefits to communities and individual trappers within the Plan Area	34	The number of opportunities for public and/or stakeholders to provide meaningful input into forest planning.	Evidence of efforts to promote capacity development and meaningful participation in general. Level of participation satisfaction with the public participation process.	
		35	The number of operational concerns raised by the public and/or stakeholders that are considered and incorporated into operational plans.		
6.10 Guide Outfitting	6.10.0-1 Maintain guide outfitting opportunities	34	The number of opportunities for public and/or stakeholders to provide meaningful input into forest planning.	Evidence of efforts to promote capacity development and meaningful participation in general. Level of participation satisfaction with the public participation process.	
		35	The number of operational concerns raised by the public and/or stakeholders that are considered and incorporated into operational plans.		
6.11 Access	6.11.0-1 As an implementation priority, develop more detailed access management plans that reflect LRMP direction, and will provide a level of detail to adequately address resource management issues, rights and responsibilities of government-licensed and authorized road users, and public access on roads.	N/A	None	none	
6.11 Access	6.11.0-2 Maintain or enhance public safety on main access routes as required. Supplemental strategies provided at the RMZ level.	22	Percentage of off-block road deactivation projects that are communicated with applicable First Nations and Stakeholders.	Evidence that a worker safety program has been implemented and is periodically reviewed and improved.	
		43	Written safety policies in place and full implementation are documented.		
6.11 Access	6.11.0-3 Manage recreational ATV and snowmobile access.	N/A	None	none	
6.11 Access	6.11.0-4 Manage resource development access to consider the objectives of Protected Areas.	3	Percentage of blocks and roads harvested that are not within legally established protected areas, ecological reserves, or OGMA's.	Proportion of identified sites with implemented management strategies. Protection of identified sacred and culturally important sites.	
		22	Percentage of off-block road deactivation projects that are communicated with applicable First Nations and Stakeholders.		

Land and Resource Management Plan		Mackenzie SFMP Version 10.1 Indicator Statement				CSA Z809-08 Standard Core Indicator
Management Direction	Objective	Indicator #				
6.12	Transportation and Utility Corridors	6.12.0-1	Manage communication, transportation, and utility corridors and sites	N/A	None	none
6.12	Transportation and Utility Corridors	6.12.0-2	Maintain opportunities for new transportation, utility corridors and communication sites.	N/A	None	none
6.13	Forest Resources	6.13.0-1	Maintain opportunities for sustainable timber harvesting and related forest management activities to optimize benefits to communities within the Plan Area	25	Percentage of area (ha) harvested that are damaged or considered a high risk to stand damaging agents.	Proportion of the calculated long-term sustainable harvest level that is actually harvested. Quantity and quality of timber and non-timber benefits, products, and services produced within the DFA. Level of investment in initiatives that contribute to community sustainability.
				26	Actual harvest volume compared to the apportionment across the DFA over each 5 year cut control period.	
6.13	Forest Resources	6.13.0-2	Maintain sustainable timber harvesting from available land base while having due regard to the effects of silviculture systems on other resource values.	25	Percentage of area (ha) harvested that are damaged or considered a high risk to stand damaging agents.	Proportion of the calculated long-term sustainable harvest level that is actually harvested. Quantity and quality of timber and non-timber benefits, products, and services produced within the DFA. Level of investment in initiatives that contribute to community sustainability.
				26	Actual harvest volume compared to the apportionment across the DFA over each 5 year cut control period.	
6.13	Forest Resources	6.13.0-3	Where possible, the social, economic, and local community stability benefits of forestry should accrue to communities in the Plan Area.	25	Percentage of area (ha) harvested that are damaged or considered a high risk to stand damaging agents.	Proportion of the calculated long-term sustainable harvest level that is actually harvested. Quantity and quality of timber and non-timber benefits, products, and services produced within the DFA. Level of investment in initiatives that contribute to community sustainability.
				26	Actual harvest volume compared to the apportionment across the DFA over each 5 year cut control period.	
				28	The number of first order wood products produced from trees harvested from the DFA.	
				29	The percent of money spent on forest operations and management in the DFA provided from local suppliers.	
6.13	Forest Resources	6.13.0-4	Maintain the opportunity for the sustainable use of botanical forest products such as wild berries, mushrooms, and medicinal plants	15	Percentage of blocks and roads harvested that adhere to management strategies for sites of biological significance.	Proportion of identified sites with implemented management strategies. Protection of identified sacred and culturally important sites.
6.14	Minerals	6.14.0-1	Maintain opportunities for mineral exploration, development, and transportation.	N/A	None	none
6.14	Minerals	6.14.0-2	Address impacts of past mining activities.	N/A	None	none
6.15	Energy	6.15.0-1	Maintain opportunities and access for oil and gas exploration, development, and transportation consistent with RMZ management direction.	N/A	None	none
6.15	Energy	6.15.0-2	Maintain opportunities for hydroelectric development consistent with RMZ direction.	N/A	None	none
6.15	Energy	6.15.0-3	Maintain opportunities for the development of alternative energy sources	N/A	None	none
6.16	Agriculture	6.16.0-1	Minimize transfer of disease and parasites between domestic animals and wildlife.	N/A	None	none

Land and Resource Management Plan		Mackenzie SFMP Version 10.1 Indicator Statement			
Management Direction	Objective	Indicator #	Indicator Statement	CSA Z809-08 Standard Core Indicator	
6.17 Grazing	6.17.0-1 Consider new grazing opportunities and maintain existing grazing tenures while minimizing transfer of disease and parasites between domestic animals and wildlife.	N/A	None	none	
6.18 Outdoor Recreation and Tourism	6.18.0-1 Maintain opportunities for a diverse range of recreational and tourism values and uses across the Planning Area	42	Percentage of blocks and roads harvested that coincide with identified resource features that are managed or protected.	Evidence that the organization has co-operated with other forest-dependant businesses, forest users, and the local community to strengthen and diversify the local economy.	
6.18 Outdoor Recreation and Tourism	6.18.0-2 Maintain opportunities for quality non-commercial and commercial recreation and tourism experiences across the Planning Area.	42	Percentage of blocks and roads harvested that coincide with identified resource features that are managed or protected.	Evidence that the organization has co-operated with other forest-dependant businesses, forest users, and the local community to strengthen and diversify the local economy.	
6.18 Outdoor Recreation and Tourism	6.18.0-3 Provide opportunities for existing commercial operators to expand where appropriate, or new operators to come in if area is able to sustain it.	42	Percentage of blocks and roads harvested that coincide with identified resource features that are managed or protected.	Evidence that the organization has co-operated with other forest-dependant businesses, forest users, and the local community to strengthen and diversify the local economy.	
6.19 Visual Quality	(No objectives iterated. Calls for the District Manager to consider recommendations for designation of Scenic Areas and establishment of Visual Quality Objectives in some Scenic Areas)	41	The percentage of harvesting and road building operations consistent with visual quality requirements as identified in operational, tactical and/or site plans.	none	
6.20 Heritage and Culture	6.20.0-1 Identify and manage cultural and heritage values.	38	Percentage of forest operations consistent with the Heritage Conservation Act.	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. Evidence of efforts to promote capacity development and meaningful participation for aboriginal communities. Evidence of best efforts to obtain acceptance of management plans based on Aboriginal communities having a clear understanding of the plans. Evidence of a good understanding of the nature of Aboriginal title and rights.	
		39	The number of opportunities for First Nations to provide meaningful input into forest planning where active forest operations are within their respective traditional territories.		
		40	The percentage of operational concerns raised by First Nations that are considered and incorporated into operational and/or tactical plans.		
6.21 First Nations	6.21.0-1 Treaty and Aboriginal rights will be addressed through existing policies.	38	Percentage of forest operations consistent with the Heritage Conservation Act.	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. Evidence of efforts to promote capacity development and meaningful participation for aboriginal communities. Evidence of best efforts to obtain acceptance of management plans based on Aboriginal communities having a clear understanding of the plans. Evidence of a good understanding of the nature of Aboriginal title and rights.	
		39	The number of opportunities for First Nations to provide meaningful input into forest planning where active forest operations are within their respective traditional territories.		
		40	The percentage of operational concerns raised by First Nations that are considered and incorporated into operational and/or tactical plans.		

Omineca Northern Caribou Project

Scott McNay



1

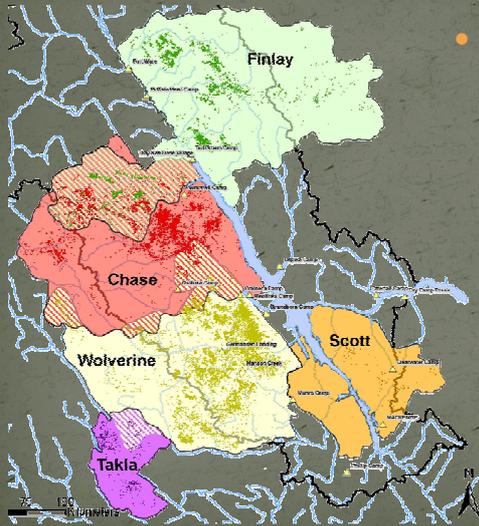
Introduction

- Review history of the project
- Topics
 - Purpose & motivation
 - Timeline
 - Quick facts
 - Activities
 - Future



2

What is the purpose of the project?



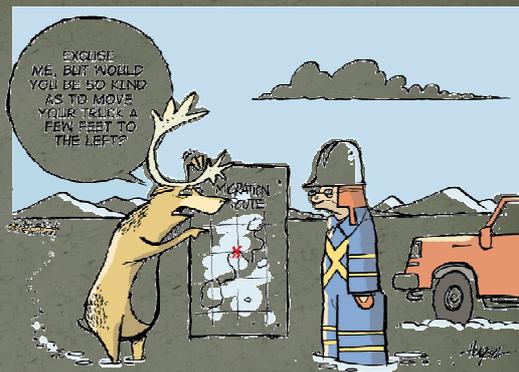
- Stewardship of caribou & their habitat in north-central BC
 - Finlay (60?)
 - Chase (556)
 - Wolverine (381)
 - Takla (125)
 - Scott (20-50?)



3

Motivation for the project

- Primarily related to industrial development
- Declines of woodland caribou generally
- Locally important
 - No formal protection
 - Information difficult to use
 - Land & Resource Management Plan



4

Project timeline

- The project began in 1999 and is ongoing



5

Project timeline

- The project began in 1999 and is ongoing



6

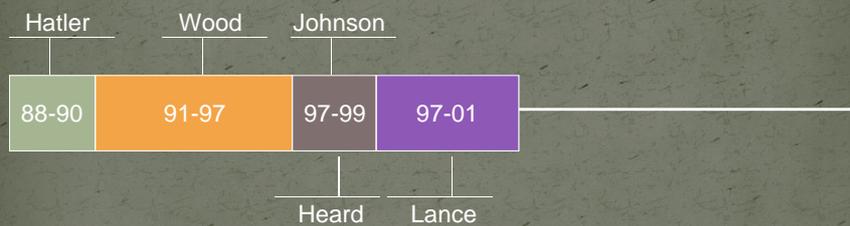
Project timeline

- The project began in 1999 and is ongoing



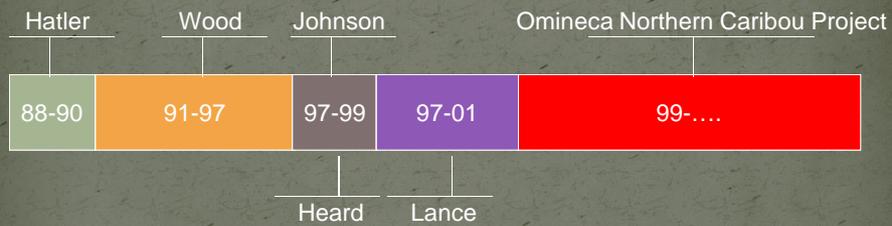
Project timeline

- The project began in 1999 and is ongoing



Project timeline

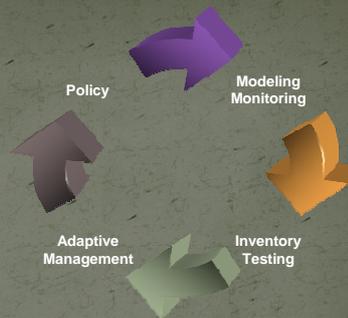
- The project began in 1999 and is ongoing



9

Quick facts

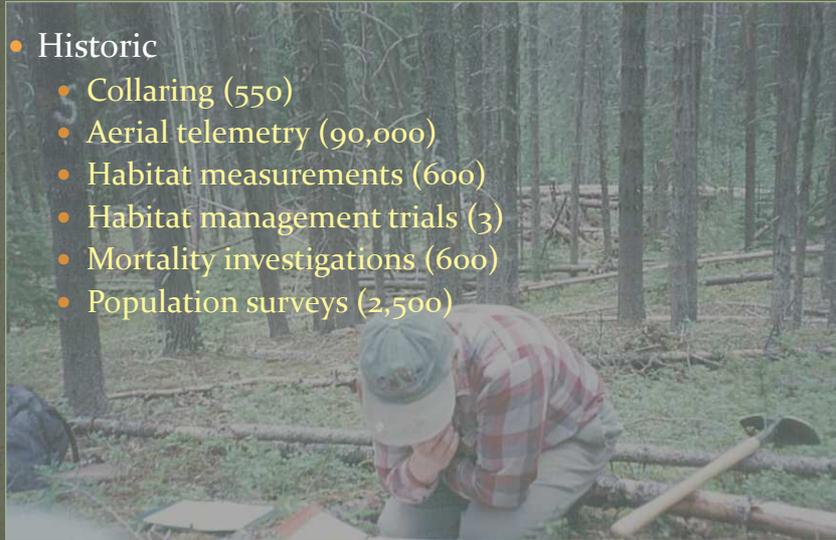
- Multi-dimensional →
 - Modeling
 - Resource inventory
 - Research
 - Adaptive management
 - Recovery and restoration
- Long-term → now 12 years
- Large investment → > \$8 Million
- Local business → 4-6 employees/year
- Extensive products / award



10

Project activities

- Historic
 - Collaring (550)
 - Aerial telemetry (90,000)
 - Habitat measurements (600)
 - Habitat management trials (3)
 - Mortality investigations (600)
 - Population surveys (2,500)



11

Results

- A baseline of information about caribou



Photo: L. Hultstein



Displacement

Life Requisites

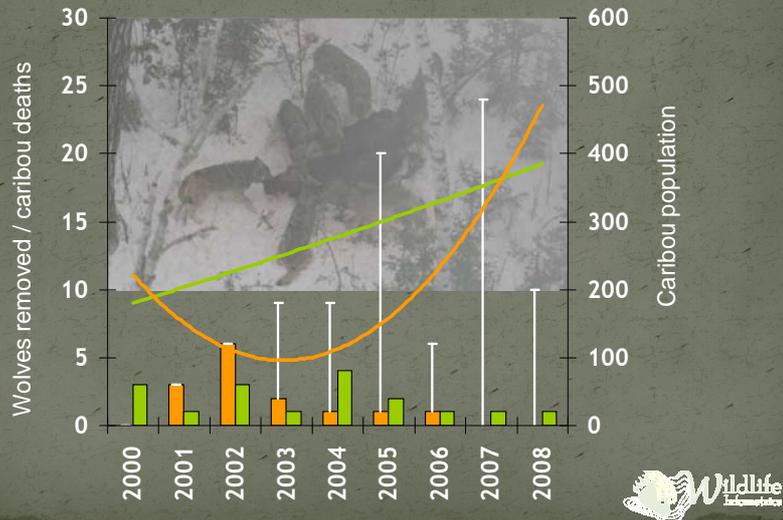
Mortality

Competition



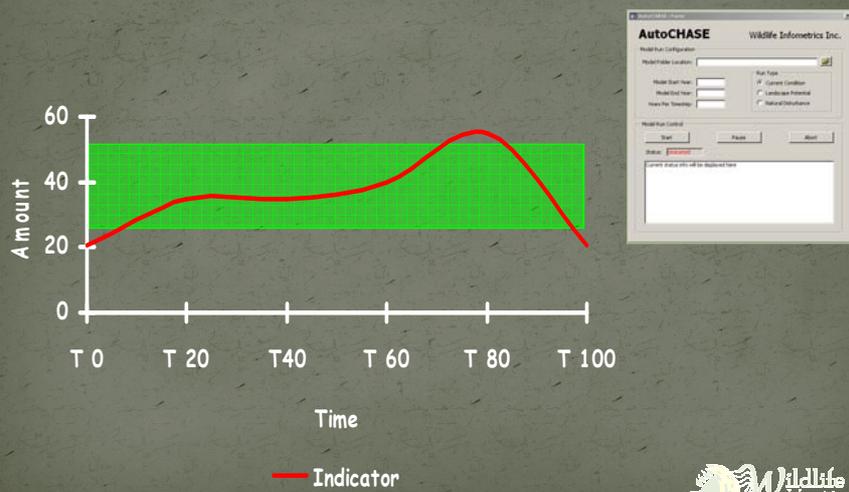
Results

- Additions to scientific knowledge



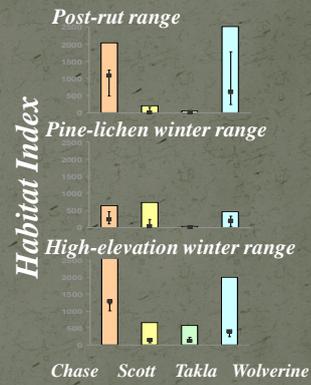
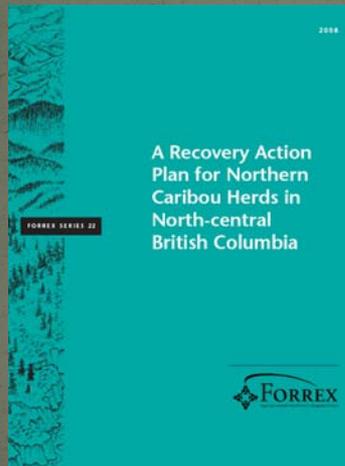
Results

- A broadly applicable modeling approach (CHASE)



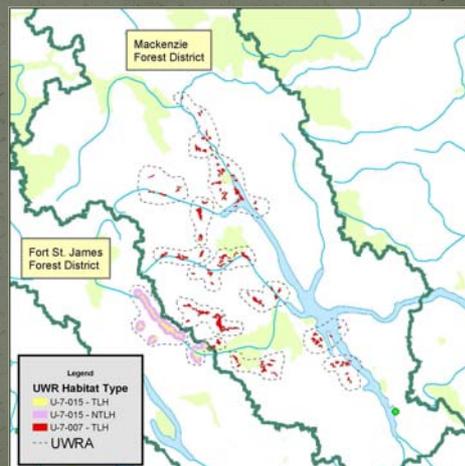
Results

- Recovery Implementation Plan (Forrex 22)



Results

- Managed habitat / Access to wood



Results

- Stable to increasing herds



17

More recent and current activities

- Recently completed
 - High-elevation winter range
 - Update caribou range statistics
 - MPB effects on caribou low-elevation winter range
- Current
 - Adaptive management (predation risk)
 - Adaptive management (lichens)
 - Moberly herd recovery
 - Strategy for management of caribou in BC
 - Prediction of high-elevation range in Muskwa-Kechika



18

What is future for the project?

- Adaptive management of predation risk (1 yr ?)



What is future for the project?

- Transition into restoration and monitoring



What is future for the project?

- Transition into restoration and monitoring



What is future for the project?

- Transition into restoration and monitoring



What is future for the project?

- Transition into restoration and monitoring



Our partners

- Slokan → Canfor
- Finlay Forest Industries → AbitibiBowater
- BC Ministry of Environment
- BC Ministry of Forests
- Macgregor Model Forest → Resources North Assoc
- Forest Renewal BC → FIA Forest Science Program



More information

- Web pages



www.wildlifeinfometrics.com



www.centralbccaribou.ca



Mackenzie SFMP Summary of Proposed Changes to Measures 2009

General changes to the Plan	
Layout of the plan	Remove all the duplicate measure statements that currently exist within the plan. Change the layout to having CSA elements listed under each indicator statement in the Plan.
Function of the plan	Change the overall look and appearance of the plan to follow the CSA standard (VOIT) rather than use the old Slokan format (measures)

Measure 1-1.1 – Old forest	<u>Existing Measure Statement:</u> <i>Percent area of old and mature+old seral stage by landscape unit group and BEC variant for CFLB within the DFA.</i>	Target: As per the Mackenzie TSA biodiversity order	Variance: 0%
<u>LSC Comments:</u> This measure needs to be changed to reflect blocks and roads harvested relative to the old growth requirement for the applicable landscape unit group			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested that meet the prescribed old growth targets. Target: 100%, Variance: 0%.			
The write up for the indicator will have to be changed to reflect the new legal Mackenzie TSA biodiversity order. The old will be reported by landscape unit group and then by BEC group. The intent is to only report out for landscape unit groups that have harvesting or road building activities completed during the particular reporting period.			
Changes to the measure endorsed by the PAG at the May 26th, 2009 meeting.			

Measure 1-1.2 – Old interior forest	<u>Existing Measure Statement:</u> <i>Percent area of old interior by landscape unit group and BEC variant for CFLB within the DFA.</i>	Target: As per the Mackenzie TSA biodiversity order	Variance: 0%
<u>LSC Comments:</u> This measure needs to be changed to reflect blocks and roads harvested relative to the old growth requirement for the applicable landscape unit group			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested that meet the prescribed interior old targets. Target: 100%, Variance: 0%.			

The write up for the indicator will have to be changed to reflect the new legal Mackenzie TSA biodiversity order. The interior old will be reported by landscape unit group and then by BEC group. The intent is to only report out for landscape unit groups that have harvesting or road building activities completed during the particular reporting period.

Changes to the measure endorsed by the PAG at the May 26th, 2009 meeting.

Measure 1-1.5 – Productive Forest Representation	<u>Existing Measure Statement:</u> <i>Percent productive forest by BEC variant represented within the non-harvestable land base.</i>	Target: TBA	Variance: ?
<u>LSC Comments:</u> Targets need to be set for this indicator.			
<u>LSC Recommendations:</u> Preliminary targets are included in the 2008-09 Annual Report. These targets will be further reviewed and discussed with the PAG during a meeting in the 2009-10 fiscal year.			
May 26th meeting: LSC to present targets and revised indicator to the PAG prior to March 31, 2010.			

Measure 1-2.1 – patch size	<u>Existing Measure Statement:</u> <i>Percent area by patch size class by landscape unit group and NDT.</i>	Target: Trend towards targets in the LRMP	Variance: N/A
<u>LSC Comments:</u> This measure needs to be changed to reflect blocks and roads harvested relative to the patch size requirement for the applicable landscape unit group and NDT			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested that meet the prescribed patch size target ranges or are trending towards the target range. Target: 100%, Variance: -30%.			
Targets will be based on target ranges from the biodiversity guidebook. Patch will be reported by landscape unit group and NDT. The intent is to only report out for landscape unit groups that have harvesting or road building activities completed during the particular reporting period.			
Changes to the measure endorsed by the PAG at the May 26th, 2009 meeting. PAG would like to see the rationale for the variance, and under what circumstances the variance would be used, added to the indicator write up in the SFMP.			

Measure 1-2.9 – Peak Flow Index	<u>Existing Measure Statement:</u> <i>Percent of watersheds containing approved or proposed development with Peak flow Index calculations completed.</i>	Target: 100%	Variance: ?
<u>LSC Comments:</u> Now that all the applicable watersheds have PFI values generated, the threshold targets need to be set for each watershed.			

LSC Recommendations: change this measure into the following indicator statement: **Percentage of blocks and roads harvested that are below threshold targets by watershed, or adhere to the recommendations contained in a detailed watershed assessment. Target: 100%, Variance: 0%.**

The detailed watershed assessment is completed when planned harvest exceeds the prescribed threshold targets for a watershed. These assessments must be completed by a qualified person such as a hydrologist.

May 26th meeting: LSC to go away and set the targets by watershed, then put on a presentation to the PAG on how they are set and what goes into watershed analysis. New indicator not endorsed at the PAG meeting.

Measure 1-2.6 – Caribou Ungulate Range Effectiveness	<u>Existing Measure Statement:</u> <i>Percent of forest operations consistent with approved provincial Caribou Ungulate Winter Range requirements.</i>	Target: 100%	Variance: 0%
Measure 1-3.1 – Caribou Ungulate Range Effectiveness	<u>Existing Measure Statement:</u> <i>Percent of forest operations consistent with approved provincial Caribou Ungulate Winter Range requirements.</i>	Target: 100%	Variance: 0%
Measure 1-3.2– Species At risk Identification	<u>Existing Measure Statement:</u> <i>Percentage of appropriate personnel trained to identify species at risk in the DFA</i>	Target: 100%	Variance: <10%
Measure 1-3.3 – Species at risk management	<u>Existing Measure Statement:</u> <i>Percent of species at risk in the DFA that have management strategies developed by April 2007.</i>	Target: 100%	Variance: 0%
Measure 1-3.4 – LRMP Wildlife Management	<u>Existing Measure Statement:</u> <i>Percent LRMP Resource Management Zone (RMZ) specific wildlife strategies with management strategies by April 2007.</i>	Target: 100%	Variance: 0%
Measure 1-3.5 – Species at Risk management strategies	<u>Existing Measure Statement:</u> <i>Percentage of forest operations consistent with species at risk in the DFA management strategies as identified in operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: <5%
Measure 1-3.6 – LRMP wildlife management effectiveness	<u>Existing Measure Statement:</u> <i>Percentage of forest operations consistent with LRMP resource management zone (RMZ) specific management strategies as identified in operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: <5%

LSC Comments: Of the 14 species identified in the LRMP, 11 have existing management strategies in place. Arctic Grayling and Bull Trout are within our Species-At-Risk management strategies. Elk, Stone Sheep, and Mountain Goat are covered off within Ungulate Winter Range

management strategies. Eagles, Northern Goshawks, Osprey, and Peregrine Falcon nests are all protected under the Wildlife Act and there are appropriate management strategies in place for them. Management for Rainbow and Lake Trout are covered off by strategies contained with Forest Stewardship Plans for both Canfor and BCTS. This leaves Marten, Moose, and Trumpeter Swan without management strategies. Canfor moving forward will be consolidating and coordinating the entire Wildlife Management program into one indicator / measure consisting of training, identification, management strategies and implementation. A measure focussing on the result rather than the process will be more meaningful. Canfor Operations across the Western Canada are moving down the path of a Biodiversity Centric - Species Accounting system. This Species Accounting System will take a plenitude of existing wildlife data and provide for grouping species according to habitat and management requirements. Application of the species accounting system, particularly when applied with coarse filter analysis would indicate what species merit special attention. It is much more important to gain an understanding of the forest dependant species that will be most impacted by forest activities vs. developing site specific strategies for each and every species across the landbase. This approach will lend itself well to the priorities we place on wildlife project funding, research and development. This project and direction is deemed to be an improvement to the current wildlife management regime as well as ensuring resource managers are focusing on the most impacted species first.

LSC Recommendations: combine the 7 measures into the following indicator statement: **Percentage of blocks and roads harvested that adhere to management strategies for Species At Risk, Ungulate Winter Range, and other local species of importance. Target: 100%, Variance: -5%.**

The write up for the indicator will reference a table listing all the species that fall under SAR, UWR, or other species local to the DFA that are deemed valuable. A commitment for training of staff will also be built into the indicator write up in the plan.

Changes to the measure endorsed by the PAG at the May 26th, 2009 meeting. PAG would like to see a reference table with all the species that fall under this indicator. As well the LSC is to develop a process for introducing "local species of importance" into the indicator. Variance changed to -5% as suggested by the PAG. LSC to organize a presentation by Fred Brunnell for a future PAG meeting to discuss species management and accounting. Specify in the Species indicator write up that the Mugaha Marsh report will be reviewed annually as a monitoring tool for potential decline of locally important birds.

Measure 1-4.3 – Sites of Biological Significance ID	<u>Existing Measure Statement:</u> <i>Percentage of appropriate personnel trained to identify sites of biological significance in the DFA.</i>	Target: 100%	Variance: -10%
Measure 1-4.4 – Sites of Biological Significance management	<u>Existing Measure Statement:</u> <i>Percent of sites of biological significance that have management strategies developed by April 2007</i>	Target: 100%	Variance: 0%
Measure 1-4.5– Sites of Biological Significance effectiveness	<u>Existing Measure Statement:</u> <i>Percentage of forest operations consistent with sites of biological significance management strategies as identified in operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: <5%
<p><u>LSC Comments:</u> Sites of biological significance include the following: stick nests, valuable snags, large overstory trees, coarse woody debris, witches broom, mineral licks, rock outcrops, denning sites, and avalanche shoots.</p> <p><u>LSC Recommendations:</u> combine the 3 measures into the following indicator statement: Percentage of blocks and roads harvested that adhere to management strategies for sites of biological significance. Target: 100%, Variance: -10%.</p> <p>The write up for the indicator will reference a table listing all the sites of biological significance applicable to the DFA. A commitment for training of staff will also be built into the indicator write up in the plan.</p> <p>Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting. More clarification is required in the write up of the indicator to detail the specific characteristics of each of the sites of biological significance.</p>			

Measure 1-1.3 – Biodiversity Reserves	<u>Existing Measure Statement:</u> <i>the amount of landscape level biodiversity reserves within the DFA.</i>	Target: > area set aside across the DFA	Variance: -0.5%
<p><u>LSC Comments:</u> The biodiversity reserves applicable to this measure consist of approved protected areas and other ecological reserves. Whether or not these large reserves increase or decrease over time is not within the licensees control. Measure 1-1.4 below speaks to what is within our control – our activities within these protected areas and OGMAs. Furthermore, a summary of the area associated with the parks and protected areas are listed in Table 4 on page 35 of the SFMP.</p> <p><u>LSC Recommendations:</u> Remove this measure from the matrix.</p>			

Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.

Measure 1-1.4 – Biodiversity Reserves Effectiveness	<u>Existing Measure Statement:</u> <i>Hectares of unauthorized forestry related harvesting or road construction within protected areas or established old growth management areas.</i>	Target: 0 ha	Variance: 0%
<u>LSC Comments:</u> This measure needs to be changed to reflect blocks and roads harvested relative to legally established old growth management areas, protected areas, and ecological reserves.			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested that are not within legally established protected areas, ecological reserves, or OGMAs. Target: 100%, Variance: 0%.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 1-3.7 – Mugaha Marsh	<u>Existing Measure Statement:</u> <i>Report out on the annual results from the Mugaha Marsh bird banding station.</i>	Target: report out on	Variance: N/A
<u>LSC Comments:</u> The information contained in the annual report for the Mugaha Marsh is important to track but does not meet the specifically relevant to forest operations.			
<u>LSC Recommendations:</u> Remove this measure from the matrix. The report can be made available to the PAG on an annual basis.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting. Specify in the Species indicator write up that the Mugaha Marsh report will be reviewed annually as a monitoring tool for potential decline of locally important birds.			

Measure 2-2.3 – Access management communication	<u>Existing Measure Statement:</u> <i>Inclusion of access management in communication strategies with stakeholders.</i>	Target: 100%	Variance: 0%
<u>LSC Comments:</u> The intent of this measure is to have a vehicle to communicate to stakeholders activities around access management. Strategies do not need to be developed to communicate deactivation.			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of off- block road deactivation projects that are communicated with applicable First Nations and Stakeholders. Target: 100%, Variance: -10%.			
Off-block road deactivations include bridge or major culvert removals, and where 2 WD drive access is restricted as a result of road permit			

deactivation projects.

Stakeholders include 3rd parties that may have a vested interest in using a particular road that is planned for deactivation, ie., trappers, guide outfitters, and woodlot owners. Applicable applies to where the stakeholder area of interest overlaps with the planned activity only.

Notification of the general public is also important. The LSC will add into the write up of the indicator a commitment to advertise in the local newspaper, at least annually, all planned deactivations that pertain to this indicator.

Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.

Measure 2-5.1 – Accidental Fires	<u>Existing Measure Statement:</u> <i>The number of hectares damaged by accidental forestry related industrial fires</i>	Target: <100 ha.	Variance: +5 ha.
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure. Accidental fires happen. There is no advantage for the LSC to start a fire purposefully – it does not meet environmental or economic components of SFM.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 2-5.2 and 4-6.1– Risk Factor Management	<u>Existing Measure Statement:</u> <i>Percentage of identified risk factors with updated management strategies.</i>	Target: 100%	Variance: 0%
Measure 4-6.2 – Forest Stand Damaging Agents	<u>Existing Measure Statement:</u> <i>Areas with stand damaging agents will be prioritized for treatment.</i>	Target: 100%	Variance: -10%
<u>LSC Comments:</u> In the Ministry of forests annual Forest Health Strategy and Tactical Plan, only the ranked risk factors (13) are identified as a priority for management. The remainder are classed as not ranked, or considered a lower priority at this time. The intention of measure 4-6.2 was to ensure that the licensees and BCTS are targeting stands for harvest that are considered a high risk to stand damaging agents.			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of area (ha.) harvested that are damaged or considered to be a high risk to stand damaging agents. Target: 100%, Variance: -20%.			
The most current and available Ministry of forests annual forest Health report can be used to specify which stand damaging agents are the most			

important to target.

Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.

Measure 4-1.2– Waste and Residue	<u>Existing Measure Statement:</u> <i>Percent compliance with waste and residue standards.</i>	Target: 100%	Variance: -5%
<u>LSC Comments:</u> the wording of this indicator needs to be cleaned up, and made to reflect the population of sampled blocks and roads.			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested where estimated waste and residue is below allowable levels. Target: 100%, Variance: -5%.			
Allowable levels tend to change from time to time. Currently the allowable levels are benchmarks set for removal of beetle infested wood. When the coarse woody debris legislation is finalized and then passed, the allowable levels will be redefined.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 4-2.2 and 6-1.4 – First Order Wood Products	<u>Existing Measure Statement:</u> <i>The number of first order wood products from trees harvested from the DFA</i>	Target: 5	Variance: -2
<u>LSC Comments:</u> The information supporting first order wood products might be better suited under section 3.1 of the plan. This type of information does not change much from year to year because the products from Canfor’s mill do not change very often. If they change over time then this section of the plan can be updated as necessary.			
<u>LSC Recommendations:</u> Keep this indicator and drop measure 4-5.2 from the plan (duplication).			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 4-2.3– local investment	<u>Existing Measure Statement:</u> <i>The percent of money spent on forest operations and management on the DFA provided from the north central interior suppliers (not including stumpage)</i>	Target: Report out on	Variance: N/A
Measure 4-2.4– Support for public	<u>Existing Measure Statement:</u> <i>The number of support opportunities provided to the public (stakeholders, residents, and interested</i>	Target: Report out on	Variance: N/A

initiatives	<i>parties).</i>		
Measure 6-1.3– business opportunities	<u>Existing Measure Statement:</u> <i>The number of opportunities given to businesses within or immediately adjacent to the TSA to provide non-tendered services to forest management activities.</i>	Target: Report out on	Variance: N/A
Measure 6-1.5– support opportunities	<u>Existing Measure Statement:</u> <i>The number of support opportunities provided within or immediately adjacent to the TSA</i>	Target: Report out on	Variance: N/A
<u>LSC Comments:</u> These 4 measures can easily be combined into 1 meaningful indicator that is measurable.			
<u>LSC Recommendations:</u> Combine these measures into 1 indicator: The percent of money spent on forest operations and management in the DFA provided from local area suppliers (not including stumpage) Target = 30%, Variance = -5%			
<p>Changes to the measure discussed with the PAG at the June 24th, 2009 meeting. This resulting indicator statement will reflect the total amount of investment in the local area which will include Mackenzie, McLeod Lake, Germanson Landing, Manson Creek, Tsay Keh Dene, and Fort Ware. The LSC will take a look at historic numbers related to the re-defined local area and propose realistic targets and variances to the PAG at the next meeting. This indicator will pull from the LSC accounting systems all contract and non-contract spending within the local area, and compare it to the total spending relative to forest operations and management within the DFA. Some payments to local vendors are not invoiced within the definition of local area. Payments to these vendors benefit the community and will be tailed in the total calculation for money spent within the local area.</p> <p>Changes to the measure discussed with the PAG at the October 14th, 2009 meeting. BCTS and Canfor presented historic numbers and percentages of expenditures relative to the newly defined local area, as above. It was agree with the PAG that a target of 30% and variance of -5% will be used.</p> <p>Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.</p>			

Measure 4-2.1 – Wood purchases	<u>Existing Measure Statement:</u> <i>Canfor to provide opportunities to purchase wood from private enterprises.</i>	Target: Opportunity exists	Variance: 0%
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure. There is always an opportunity for Canfor to purchase timber from private enterprise, but it is contingent on price and product.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 4-2.5 – Support for environmental projects	<u>Existing Measure Statement:</u> <i>Report out on the amount of money directed towards environmental projects.</i>	Target: Report out on	Variance: N/A
<u>LSC Comments:</u> The LSC has been and will continue to update PAG from time to time with the status of ongoing and planned FIA projects.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 4-3.1 – Taxes	<u>Existing Measure Statement:</u> <i>Municipal taxes paid to governments.</i>	Target: 100%	Variance: 0%
Measure 4-3.2 – Stumpage	<u>Existing Measure Statement:</u> <i>Stumpage paid to governments.</i>	Target: 100%	Variance: 0%
<u>LSC Comments:</u> The LSC is not sure of the relevance of these 2 measures since taxes, including stumpage, have to be paid. If they are not, there are other mechanisms that are used to penalize the licensees.			
<u>LSC Recommendations:</u> Remove both of these measures from the plan.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 4-4.1 – Support to First Nations	<u>Existing Measure Statement:</u> <i>The number of support opportunities provided to First Nations with treaty area and/or asserted traditional territory within the DFA.</i>	Target: Report out on	Variance: N/A
Measure 4-4.2 – Contract opportunities to first nations	<u>Existing Measure Statement:</u> <i>The number of contract opportunities provided to First Nations with treaty area and/or asserted traditional territory within the DFA.</i>	Target: Report out on	Variance: N/A
Measure 4-4.3 – Value of transactions to first nations	<u>Existing Measure Statement:</u> <i>The total value of transactions with First Nations with treaty area and/or asserted traditional territory within the DFA.</i>	Target: Report out on	Variance: N/A
<u>LSC Comments:</u> For measure 4-4.1, the LSC has not been able to demonstrate support opportunities directly to first nations. Support opportunities to the community are covered off in other measures. Measure 4-4.2 and 4-4.3 can be easily combined into 1 indicator to cover this off.			
<u>LSC Recommendations:</u> Combine these measures into 1 indicator: The number of contract opportunities provided to First Nations within the DFA. Target = >5, Variance = -2			

The premise of this indicator that contract opportunities are no guarantee of awarding a contract to First nations. The First Nations contractor must meet the minimum requirements for each contract opportunity; offer a comparable product, at a competitive rate.

Changes to the measure endorsed by the PAG at the December 15th, 2009 meeting.

Measure 4-5.1 – Competitive Sale of timber	<u>Existing Measure Statement:</u> <i>the percentage of DFA volume advertised for sale through open competitive bid.</i>	Target: 40%	Variance: -5%
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure since it is BCTS's mandate to offer timber for sale.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			
Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.			

Measure 4-5.2 – Primary Milling Facility	<u>Existing Measure Statement:</u> <i>A competitive primary milling facility is sustained</i>	Target: >2	Variance: 0
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 5-1.1 –non-timber benefits	<u>Existing Measure Statement:</u> <i>List of existing and documented potential for marketed non-timber benefits.</i>	Target: Report out on	Variance: N/A
Measure 5-1.2 – SFM implications of non-timber values	<u>Existing Measure Statement:</u> <i>Description of potential implications of SFM practices on the amount and quality of marketed non-timber values.</i>	Target: Report out on	Variance: N/A
<u>LSC Comments:</u> Presentation of a preliminary list of potential non-timber benefits and the potential impacts of forest management activities was be presented to PAG at the fall 2008 meeting. Description of SFM implications requires that a list of marketed non-timber benefits be developed. As per Measure 5-1.1, a description of implications is to be developed on or before June 30, 2007. Now that it is in place, this measure will no			

longer be needed and will be removed from the SFMP.
<u>LSC Recommendations:</u> Drop these 2 measures from the plan.
Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.

Measure 6-1.1 – employment	<u>Existing Measure Statement:</u> <i>Employment supported by each sector of the local economy.</i>	Target: Report out on	Variance: N/A
Measure 6-1.2 – income	<u>Existing Measure Statement:</u> <i>Contribution of income sources from each sector of the local economy.</i>	Target: Report out on	Variance: N/A
<u>LSC Comments:</u> The data set for these 2 measures comes from other sources – stats can reports. LSC would like to move the detail of these tables to section 3.2.1 of the plan under “communities and social economic description”. This information is not updated on an annual basis and is better suited in the text of the plan rather than as a measure.			
<u>LSC Recommendations:</u> Drop these 2 measures from the plan, and move the 2 tables to section 3.2.1 of the plan.			
Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.			

Measure 7-1.2 –SFMP Review	<u>Existing Measure Statement:</u> <i>The number of opportunities for the PAG to review and provide comment on the SFMP.</i>	Target: at least annually	Variance: none
Measure 7-1.3 – Meetings PAG	<u>Existing Measure Statement:</u> <i>Number of PAG meetings per year</i>	Target: at least 1 annually	Variance: none
Measure 7-1.5 – TOR Review	<u>Existing Measure Statement:</u> <i>Maintain and review at least annually and as required the Mackenzie SFMP PAG TOR to ensure a credible and transparent process.</i>	Target: at least annually	Variance: none
<u>LSC Comments:</u> The requirement to meet these 3 requirements are covered off in the PAG TOR as well in the core requirements for the SFMP. The auditors will look at the number of meetings we have each year, the TOR review, as well as PAG review of the SFMP.			
<u>LSC Recommendations:</u> Drop these 3 measures from the plan.			
Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.			

Measure 7-1.4 – Satisfaction PAG	<u>Existing Measure Statement:</u> <i>The level of satisfaction of the PAG members with the process.</i>	Target: 100%	Variance: -20%
Measure 7-1.8 – Communication PAG	<u>Existing Measure Statement:</u> <i>Percent of PAG satisfaction with the amount and timing of information presented for informed decision making.</i>	Target: 100%	Variance: -20%
<u>LSC Comments:</u> These 2 measures should be combined into 1 to report out on the total satisfaction of the PAG with the process. This indicator should reflect all aspects of the PAG meeting satisfaction survey. Combine questions M10, M11, and M12 into 1 indicator.			
<u>LSC Recommendations:</u> Combine these measures into 1 indicator: Average overall percent of the PAG’s satisfaction with PAG meeting process. Target = 100%, Variance = -20%			
Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.			

Measure 7-1.1 – List of affected parties	<u>Existing Measure Statement:</u> <i>Implement and update a comprehensive list of stakeholders and affected third parties.</i>	Target: annually	Variance: none
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure. BCTS and Canfor maintain separate stakeholder lists that are updated on a regular basis based on government lists of stakeholders, returned mail from referrals, and communications with third parties.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			
Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.			

Measure 7-1.9 – SFMP consistency with the LRMP	<u>Existing Measure Statement:</u> <i>Report out on the consistency of indicators or measures with LRMP objectives.</i>	Target: Report out on	Variance: N/A
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure. The comparison spreadsheet was completed at the start of the plan and then reviewed again recently.			
<u>LSC Recommendations:</u> Remove this measure from the plan. The LSC to compare the LRMP objectives against the revised plan following incorporation of the new CSA standard. Target completion of this task by March 31, 2011.			

Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.

Measure 7-1.6 – Satisfaction (affected parties)	<u>Existing Measure Statement:</u> <i>Survey residents, stakeholders, and first Nations regarding their satisfaction with forest management</i>	Target: at least every 3 years	Variance: none
Measure 7-2.1 – Concerns (affected parties)	<u>Existing Measure Statement:</u> <i>the number of opportunities given the public and stakeholders to express forestry related concerns and be involved in our planning process.</i>	Target: 6	Variance: -2
Measure 7-2.3 – response to concerns	<u>Existing Measure Statement:</u> <i>The percent of timely responses to written and documented concerns.</i>	Target: 100%	Variance: <5%
Measure 7-2.6 – communication strategy effectiveness	<u>Existing Measure Statement:</u> <i>Percentage of mutually agreed to communication strategies met.</i>	Target: 100%	Variance: <5%

LSC Comments: There is overlap in all 4 of these indicators. The measures speak to the number of communications and concerns raised during referrals to stakeholders. Measure 7-1.6 spells out the requirement for an all encompassing survey which is intended to be reflective of SFM, but the responses will likely be more centered on the satisfaction with the forest industry.

LSC Recommendations: The LSC propose to combine these measures into 2 core indicators:

The number of opportunities for the public and/or stakeholders to provide meaningful input into forest planning. Target = 6, Variance = -2

This indicator will summarize the number of opportunities for stakeholders to provide input into Forest planning; including, referral of operational plans, open houses, trade shows, meetings, referral of PMPs, etc. Each opportunity will count as 1 towards the target. Stakeholders include Trappers, Guides, water licence holders, woodlot owners, range tenure holders, private land owners, other licensees, and other government agencies. Only stakeholders that have overlapping tenure with the applicable activity will be communicated with.

The percentage of operational concerns raised by the public and/or stakeholders that are considered and incorporated into operational and/or tactical plans. Target = 100%, Variance = -10%

This indicator will compare the number of operational concerns that have been acted on relative to the total number of operational concerns raised.

Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.

Measure 7-2.4 – SFMP availability	<u>Existing Measure Statement:</u> <i>Distribution/access to SFM Plan, annual reports, and audit results</i>	Target: 1 annually	Variance: 0
<u>LSC Comments:</u> The LSC recognizes that it is important to have access to the SFMP and related information. But we think that this measure should be re-worded to be more specific.			
<u>LSC Recommendations:</u> The LSC proposes the following revision to this indicator.			
The number of opportunities provided annually for access to SFM related documents. Target = 3, Variance = 0			
Opportunities would include newsletters, open houses, trade shows, public meetings, websites, and other opportunities to provide SFM related information with the public, stakeholders, or First Nations. Documentation related to SFM includes; the current SFMP, audit results, annual reports, and PAG meeting minutes.			
Changes to the measure endorsed by the PAG at the December 15th, 2009 meeting.			

Measure 7-3.1 – adaptive management	<u>Existing Measure Statement:</u> <i>Adaptive management strategy is developed, documented, acted on, and reviewed.</i>	Target: at least 1 annually	Variance: 0
Measure 7-3.2 – monitoring plan	<u>Existing Measure Statement:</u> <i>monitoring plan is developed, documented, acted on, and reviewed.</i>	Target: at least 1 annually	Variance: 0
Measure 7-3.3 – annual report	<u>Existing Measure Statement:</u> <i>reports and analysis of monitoring information – annual report.</i>	Target: at least 1 annually	Variance: 0
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure, since a commitment to adaptive management and the monitoring plan exists in section 8 of the plan, as well as a commitment to the annual report is a requirement of the standard.			
<u>LSC Recommendations:</u> Remove these measures from the plan.			
Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.			

Measure 8-1.2 – TOR	<u>Existing Measure Statement:</u> <i>Maintain and review at least annually</i>	Target: at least 1	Variance: 0
----------------------------	---	--------------------	-------------

review (First Nations rights)	<i>and as required the Mackenzie SFMP PAG TOR to recognize that First Nations participation in the public process will not prejudice First Nations rights and treaty rights.</i>	annually	
Measure 8-2.1 – Participation (First Nations)	<u>Existing Measure Statement:</u> <i>The number of opportunities for First Nations to provide meaningful input into our planning process.</i>	Target: >= 2 per FN	Variance: 0
Measure 8-3.1 – Concerns (First Nation)	<u>Existing Measure Statement:</u> <i>Percentage of issues raised by First Nations peoples evaluated and responded to in a timely manner.</i>	Target: 100%	Variance: -10%
Measure 8-3.2 – Participation effectiveness (First Nations)	<u>Existing Measure Statement:</u> <i>Percentage of issues raised by First Nations Chief and Council or their authorized representative developed into mutually agreed upon strategies</i>	Target: 100%	Variance: -50%
Measure 8-4.1 – Participation effectiveness (First Nations)	<u>Existing Measure Statement:</u> <i>Incorporation of mutually agreed upon strategies to address First Nations peoples values, knowledge, and uses into SFMP, operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: -50%
Measure 8-4.2 – Implementation effectiveness (First Nations)	<u>Existing Measure Statement:</u> <i>Percentage of forest operations consistent with mutually agreed upon strategies developed with First Nations</i>	Target: 100%	Variance: 0%
<p><u>LSC Comments:</u> There is overlap in all 6 of these indicators.</p> <p>Measure 8-1.2 is built into the Terms of Reference and is a requirement of the standard. The measure is redundant. The remaining measures speak to the number of communications and concerns raised during referrals or consultation.</p> <p><u>LSC Recommendations:</u> The LSC propose to combine these measures into 2 core indicators:</p> <p>The number of opportunities for First Nations to provide meaningful input into forest planning where active forest operations are within their traditional territory. Target = >= 2 per FN, Variance = 0%</p> <p>This indicator will summarize the number of opportunities for First Nations to actively participate in Forest planning; including, referral of operational plans, open houses at band offices, trade shows, formal meetings, PMPs, etc. “Active” includes all current logging, road building, silviculture activities, and forest planning.</p> <p>The percentage of operational concerns raised by First Nations that are considered and incorporated into operational and/or tactical plans.</p>			

Target = 100%, Variance = -10%
 This indicator will compare the number of operational concerns that have been acted on relative to the total number of first nations operational concerns raised. Operational plans include FSPs and SPs. Tactical plans include operating plans relating to forest development referrals of blocks and roads.

Changes to the measure endorsed by the PAG at the December 15th, 2009 meeting.

Measure 9-1.1 – recreation	<u>Existing Measure Statement:</u> <i>The percentage of harvest operations with results and strategies for recreation values as identified in operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: 0
<u>LSC Comments:</u> Recreation features and the management of them are included in measure 9-3.1 – resource features.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			
Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.			

Measure 9-2.2 – green up buffers	<u>Existing Measure Statement:</u> <i>the percentage of harvest operations with visually effective green-up buffer along roads identified in the Mackenzie LRMP</i>	Target: 100%	Variance: 0
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure, given the mountain pine beetle epidemic and the predominance of pine leading stands along these road systems.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			
Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.			

Measure 9-3.1– Resource Features	<u>Existing Measure Statement:</u> <i>Percent of identified and/or significant places and features of social, cultural, or spiritual importance that are managed or protected.</i>	Target: 100%	Variance: 0%
<u>LSC Comments:</u> resource features as per regulation are Karst, a range development, Crown land used for research, Permanent sample sites, A cultural heritage resource, An interpretive forest site or trail, A recreational site or trail, or A recreational feature.			
<u>LSC Recommendations:</u> change this measure to this indicator: Percentage of blocks and roads harvested coinciding with identified resource			

features that are managed or protected. Target: 100%, Variance: -10%.

This indicator will report out the total number of blocks and roads harvested, the number of those that have applicable resource features, and the number of those that are managed or protected.

Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.

Measure 9-5.1 – signage	<u>Existing Measure Statement:</u> <i>Signage on FSRs and main haul roads to be kept current</i>	Target: 100%	Variance: -5%
<u>LSC Comments:</u> This indicator needs to be re-worded to reflect the requirement for appropriate safety signs where there are current operational activities.			
<u>LSC Recommendations:</u> change this measure to this indicator: The percentage of operational activities that have the appropriate safety signage in place during the activity, and removed upon completion of the activity. Target = 100%, Variance = -20%.			
Operational activities include harvesting, road building, road side brushing, hand falling, etc. The level of appropriate safety related signage is designated in LSC safety company policies.			
Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.			

OTHER MEASURES WITH MINOR REWORDING

Measure 1-2.2 – Coarse woody debris	<u>Existing Measure Statement:</u> <i>Percentage of cutblocks that exceed coarse woody debris requirements.</i>	Target: 100%	Variance: 0%
<u>LSC Comments:</u> This indicator needs to be re-worded to reflect blocks and roads harvested during the reporting period			
<u>LSC Recommendations:</u> change this measure to this indicator: The percentage of blocks and roads harvested that exceed coarse woody debris requirements. Target = 100%, Variance = 0%.			
Coarse woody debris requirements will remain unchanged from the original SFMP until such time the coarse woody debris regulation is in force.			
Changes to the measure endorsed by the PAG at the December 15th, 2009 meeting.			
Measure 2-1.5 – Site Index	<u>Existing Measure Statement:</u> <i>Variance between average pre-harvest and post harvest Site Index (at Free Growing) for cutblocks.</i>	Target: 0	Variance: 0
<u>LSC Comments:</u> This indicator needs to be re-worded to add some clarity to what exactly is being measured.			
<u>LSC Recommendations:</u> change this measure to this indicator: The percentage of standards units declared free growing that have measured site index values at or greater than pre-harvest site index. Target = 100%, Variance = -5%.			
Standard units are declared, not blocks. The table in the SFMP indicating average pre-harvest site index values for both pine and spruce leading stands will continue to be used as a benchmark.			
Changes to the measure endorsed by the PAG at the December 15th, 2009 meeting.			
Measure 2-3.1 – regeneration delay	<u>Existing Measure Statement:</u> <i>Percent of harvested blocks declared stocked prior to the regeneration date consistent with operational plans.</i>	Target: 100%	Variance: -5%
<u>LSC Comments:</u> This indicator needs to be re-worded to add some clarity to what exactly is being measured.			

LSC Recommendations: change this measure to this indicator: **The percentage of standards units declared stocked prior to the regeneration date consistent with operational plans. Target = 100%, Variance = -5%.**

Standard units are declared stocked, not blocks.

Changes to the measure endorsed by the PAG at the December 15th, 2009 meeting.

Measure 2-3.2 – free growing	<u>Existing Measure Statement:</u> <i>Percent of harvested blocks declared Free Growing prior to the late free growing assessment date.</i>	Target: 100%	Variance: -5%
-------------------------------------	---	--------------	---------------

LSC Comments: This indicator needs to be re-worded to add some clarity to what exactly is being measured.

LSC Recommendations: change this measure to this indicator: **The percentage of standards units declared free growing prior to the late free growing assessment date. Target = 100%, Variance = -5%.**

Standard units are declared free growing, not blocks.

Changes to the measure endorsed by the PAG at the December 15th, 2009 meeting.



Mugaha Marsh Banding Station

Fall 2009

19 July – 23 September

Staffing

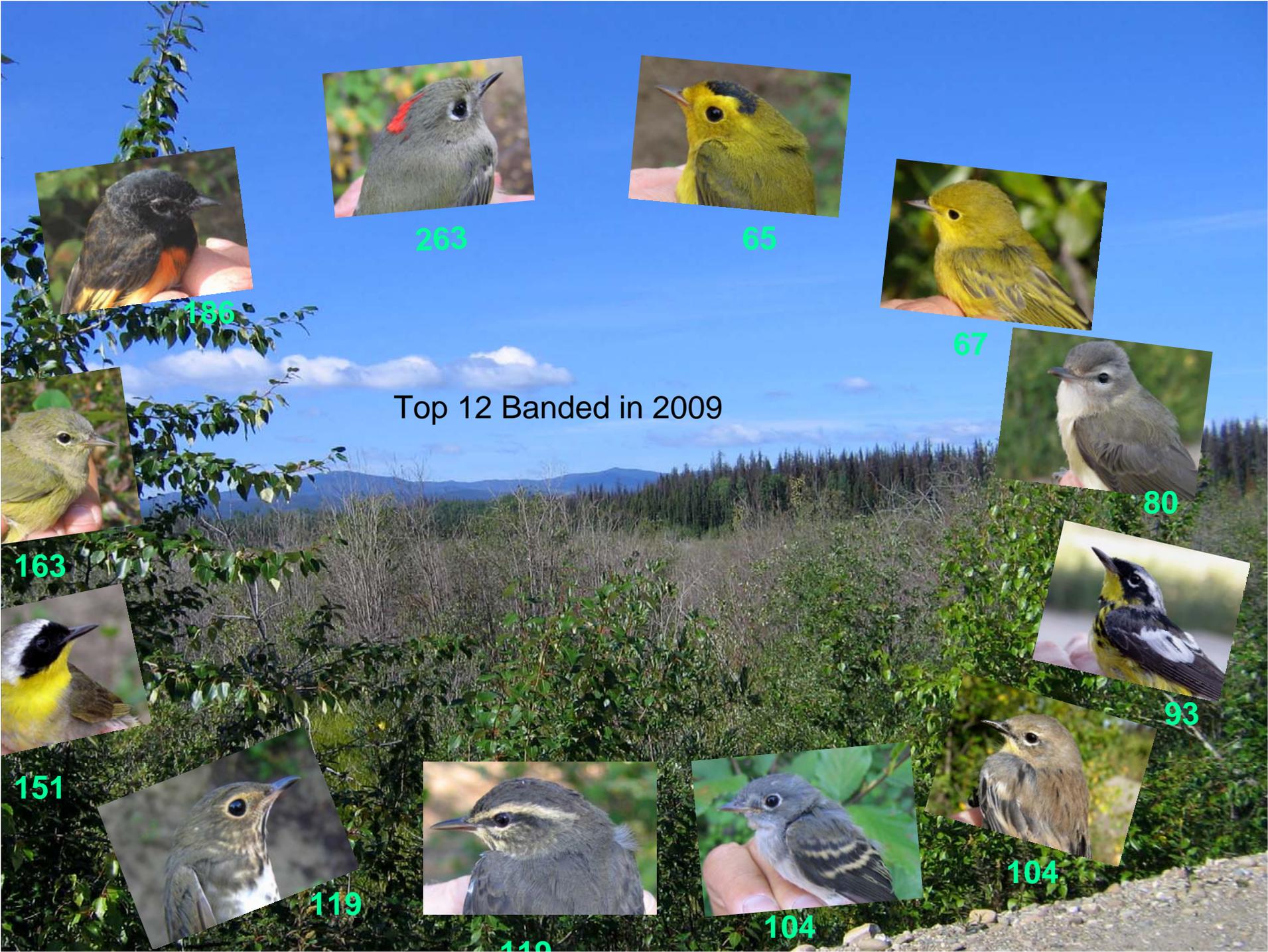
- MNO is required to hire our banders as employees by a Revenue Canada ruling. We paid one bander for the full season and 3 others who worked parts of the season.
- One of our volunteers is a bander and we have a small group of local people who assist at the station and volunteers from Vancouver, Prince George, and the USA came for periods of time. They put in ~ volunteer hours at the station.
- Local volunteers do much more to help with keeping the project going including maintenance and repair of the station and net lanes, for example replacing the deck at the back entrance to the lab.



Birds Banded: 2200 birds of 58 species were banded during standard banding. (32 hummingbirds of 2 species were also banded during this time, but aren't included in standard banding totals as they haven't been banded all years)

Birds Recaptured: 296 recaptures (221 individuals of 30 species)

Returns: 31 of the individuals recaptured were returns (14 species)



263



65



67



80



93



104



104



110



119



163



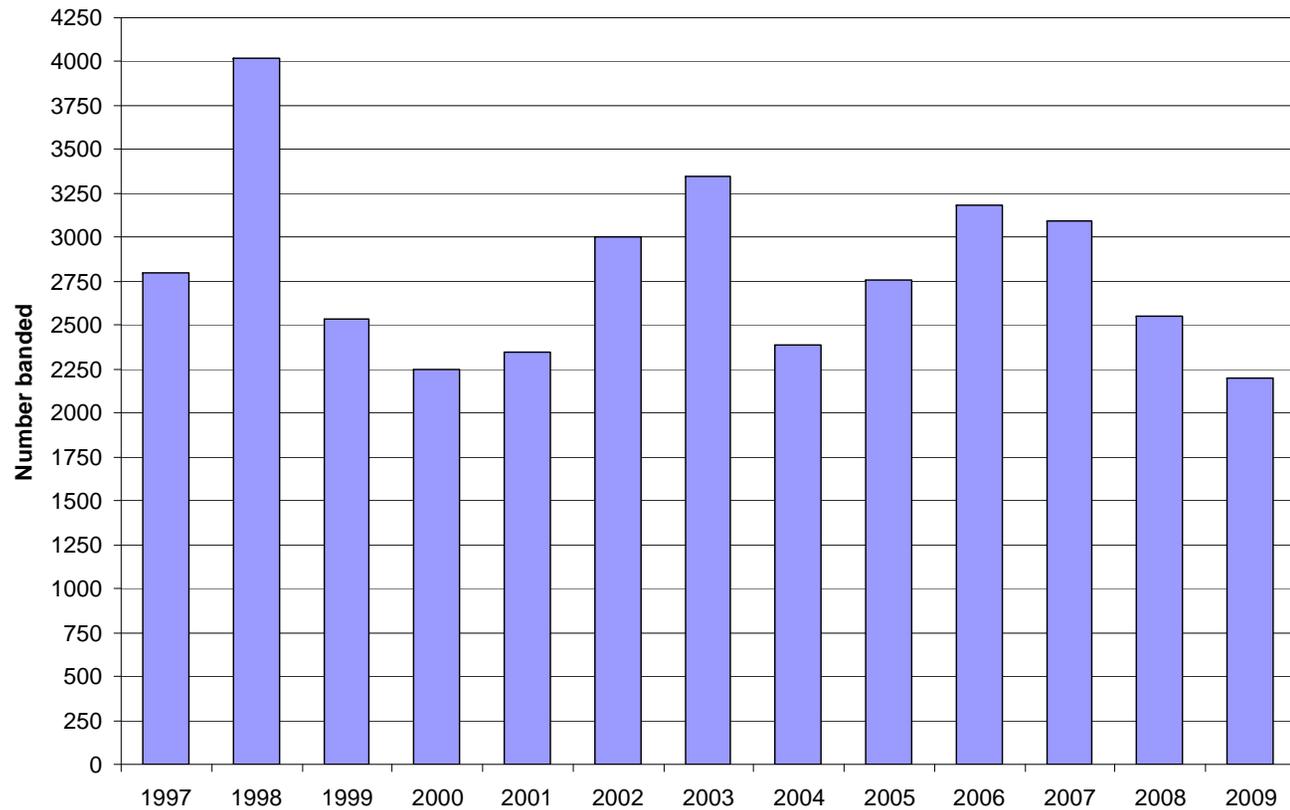
151



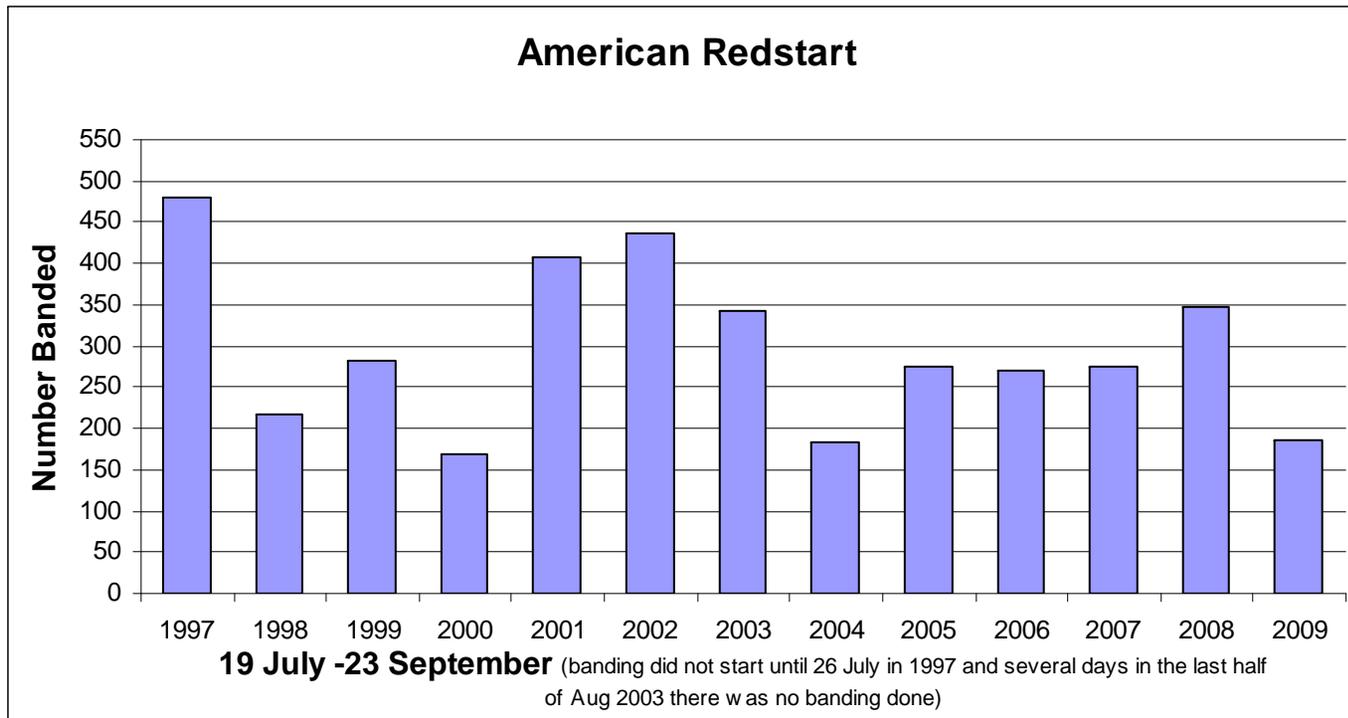
186

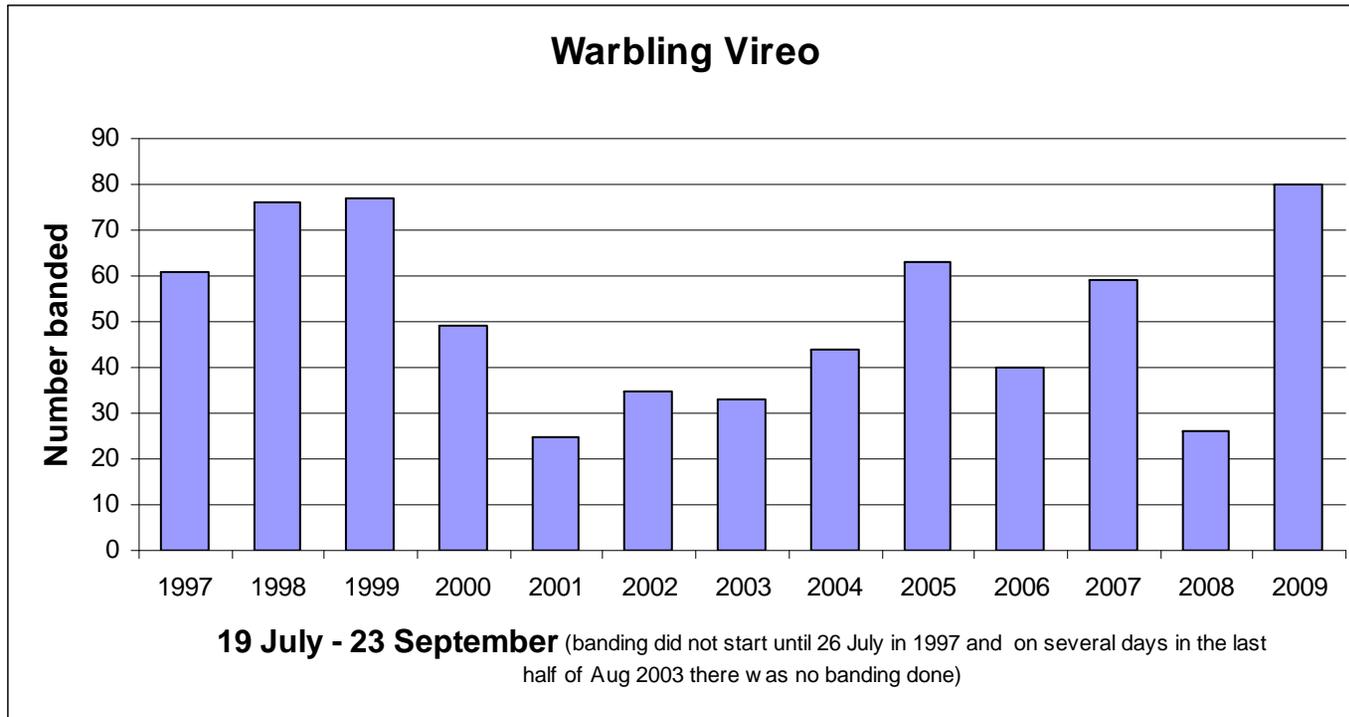
Top 12 Banded in 2009

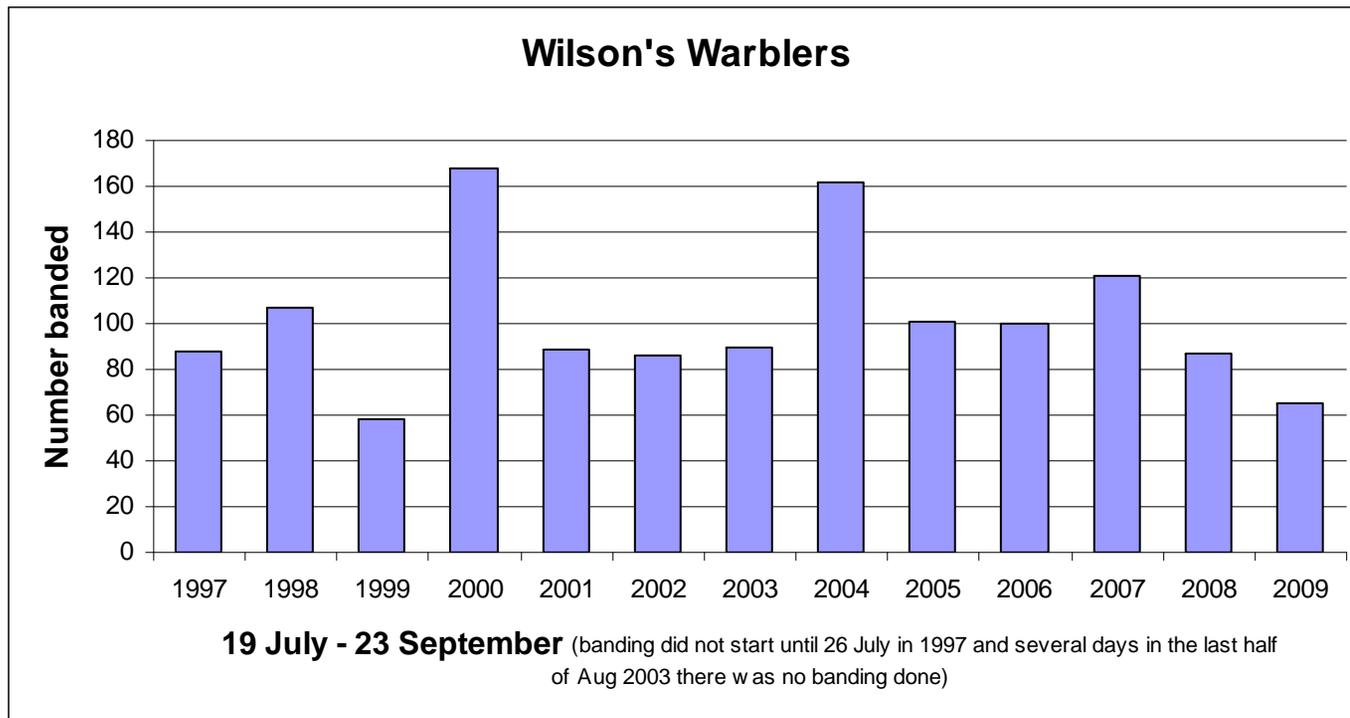
Birds Banded during Standard Banding



19 July - 23 September (banding did not start until 26 July in 1997 and on several days in the last half of Aug
2003 there was no banding done)

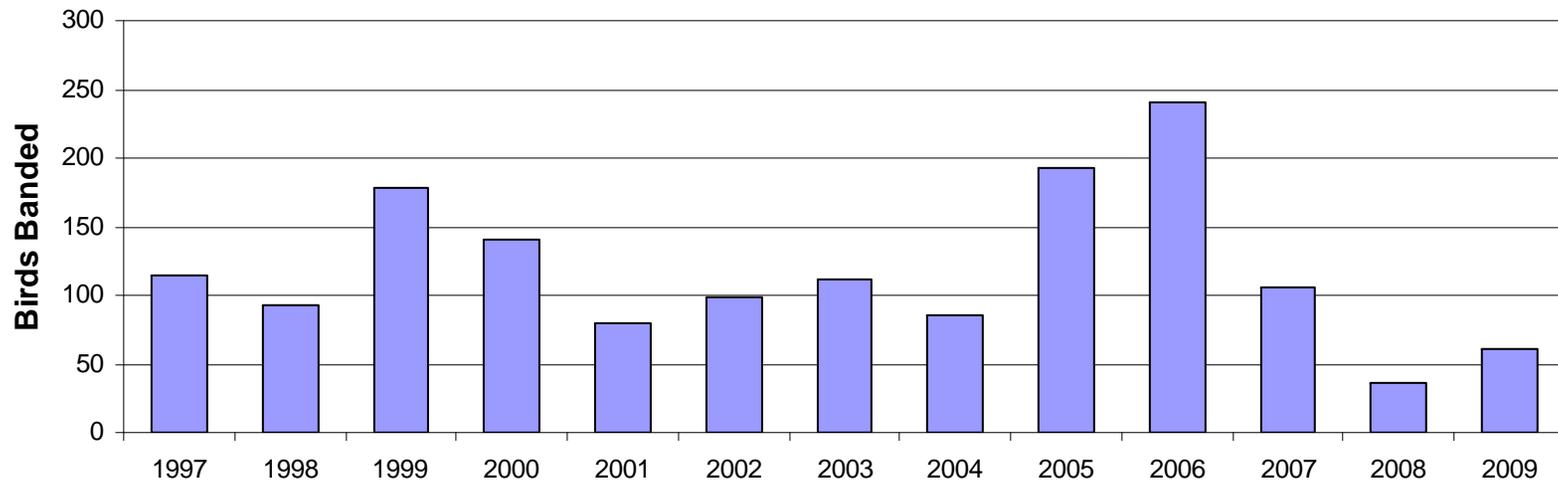








Dark-eyed Junco



19 July - 23 September (banding did not start until 26 July in 1997 and several days in the last half of Aug 2003 there was no banding done)

Mackenzie SFMP Summary of Proposed Changes to Measures 2009

General changes to the Plan	
Layout of the plan	Remove all the duplicate measure statements that currently exist within the plan. Change the layout to having CSA elements listed under each indicator statement in the Plan.
Function of the plan	Change the overall look and appearance of the plan to follow the CSA standard (VOIT) rather than use the old Slokan format (measures)

Measure 1-1.1 – Old forest	<u>Existing Measure Statement:</u> <i>Percent area of old and mature+old seral stage by landscape unit group and BEC variant for CFLB within the DFA.</i>	Target: As per the Mackenzie TSA biodiversity order	Variance: 0%
<u>LSC Comments:</u> This measure needs to be changed to reflect blocks and roads harvested relative to the old growth requirement for the applicable landscape unit group			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested that meet the prescribed old growth targets. Target: 100%, Variance: 0%.			
The write up for the indicator will have to be changed to reflect the new legal Mackenzie TSA biodiversity order. The old will be reported by landscape unit group and then by BEC group. The intent is to only report out for landscape unit groups that have harvesting or road building activities completed during the particular reporting period.			
Changes to the measure endorsed by the PAG at the May 26th, 2009 meeting.			

Measure 1-1.2 – Old interior forest	<u>Existing Measure Statement:</u> <i>Percent area of old interior by landscape unit group and BEC variant for CFLB within the DFA.</i>	Target: As per the Mackenzie TSA biodiversity order	Variance: 0%
<u>LSC Comments:</u> This measure needs to be changed to reflect blocks and roads harvested relative to the old growth requirement for the applicable landscape unit group			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested that meet the prescribed interior old targets. Target: 100%, Variance: 0%.			
The write up for the indicator will have to be changed to reflect the new legal Mackenzie TSA biodiversity order. The interior old will be reported			

by landscape unit group and then by BEC group. The intent is to only report out for landscape unit groups that have harvesting or road building activities completed during the particular reporting period.

Changes to the measure endorsed by the PAG at the May 26th, 2009 meeting.

Measure 1-1.5 – Productive Forest Representation	<u>Existing Measure Statement:</u> <i>Percent productive forest by BEC variant represented within the non-harvestable land base.</i>	Target: TBA	Variance: ?
<u>LSC Comments:</u> Targets need to be set for this indicator.			
<u>LSC Recommendations:</u> Preliminary targets are included in the 2008-09 Annual Report. These targets will be further reviewed and discussed with the PAG during a meeting in the 2009-10 fiscal year.			
May 26th meeting: LSC to present targets and revised indicator to the PAG prior to March 31, 2010.			

Measure 1-2.1 – patch size	<u>Existing Measure Statement:</u> <i>Percent area by patch size class by landscape unit group and NDT.</i>	Target: Trend towards targets in the LRMP	Variance: N/A
<u>LSC Comments:</u> This measure needs to be changed to reflect blocks and roads harvested relative to the patch size requirement for the applicable landscape unit group and NDT			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested that meet the prescribed patch size target ranges or are trending towards the target range. Target: 100%, Variance: -30%.			
Targets will be based on target ranges from the biodiversity guidebook. Patch will be reported by landscape unit group and NDT. The intent is to only report out for landscape unit groups that have harvesting or road building activities completed during the particular reporting period.			
Changes to the measure endorsed by the PAG at the May 26th, 2009 meeting. PAG would like to see the rationale for the variance, and under what circumstances the variance would be used, added to the indicator write up in the SFMP.			

Measure 1-2.9 – Peak Flow Index	<u>Existing Measure Statement:</u> <i>Percent of watersheds containing approved or proposed development with Peak flow Index calculations completed.</i>	Target: 100%	Variance: ?
<u>LSC Comments:</u> Now that all the applicable watersheds have PFI values generated, the threshold targets need to be set for each watershed.			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested that are below threshold targets by watershed, or adhere to the recommendations contained in a detailed watershed assessment. Target: 100%, Variance:			

0%.

The detailed watershed assessment is completed when planned harvest exceeds the prescribed threshold targets for a watershed. These assessments must be completed by a qualified person such as a hydrologist.

May 26th meeting: LSC to go away and set the targets by watershed, then put on a presentation to the PAG on how they are set and what goes into watershed analysis. New indicator not endorsed at the PAG meeting.

Measure 1-2.6 – Caribou Ungulate Range Effectiveness	<u>Existing Measure Statement:</u> <i>Percent of forest operations consistent with approved provincial Caribou Ungulate Winter Range requirements.</i>	Target: 100%	Variance: 0%
Measure 1-3.1 – Caribou Ungulate Range Effectiveness	<u>Existing Measure Statement:</u> <i>Percent of forest operations consistent with approved provincial Caribou Ungulate Winter Range requirements.</i>	Target: 100%	Variance: 0%
Measure 1-3.2– Species At risk Identification	<u>Existing Measure Statement:</u> <i>Percentage of appropriate personnel trained to identify species at risk in the DFA</i>	Target: 100%	Variance: <10%
Measure 1-3.3 – Species at risk management	<u>Existing Measure Statement:</u> <i>Percent of species at risk in the DFA that have management strategies developed by April 2007.</i>	Target: 100%	Variance: 0%
Measure 1-3.4 – LRMP Wildlife Management	<u>Existing Measure Statement:</u> <i>Percent LRMP Resource Management Zone (RMZ) specific wildlife strategies with management strategies by April 2007.</i>	Target: 100%	Variance: 0%
Measure 1-3.5 – Species at Risk management strategies	<u>Existing Measure Statement:</u> <i>Percentage of forest operations consistent with species at risk in the DFA management strategies as identified in operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: <5%
Measure 1-3.6 – LRMP wildlife management effectiveness	<u>Existing Measure Statement:</u> <i>Percentage of forest operations consistent with LRMP resource management zone (RMZ) specific management strategies as identified in operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: <5%

LSC Comments: Of the 14 species identified in the LRMP, 11 have existing management strategies in place. Arctic Grayling and Bull Trout are within our Species-At-Risk management strategies. Elk, Stone Sheep, and Mountain Goat are covered off within Ungulate Winter Range management strategies. Eagles, Northern Goshawks, Osprey, and Peregrine Falcon nests are all protected under the Wildlife Act and there are appropriate management strategies in place for them. Management for Rainbow and Lake Trout are covered off by strategies contained with Forest Stewardship Plans for both Canfor and BCTS. This leaves Marten, Moose, and Trumpeter Swan without management strategies. Canfor

moving forward will be consolidating and coordinating the entire Wildlife Management program into one indicator / measure consisting of training, identification, management strategies and implementation. A measure focussing on the result rather than the process will be more meaningful. Canfor Operations across the Western Canada are moving down the path of a Biodiversity Centric - Species Accounting system. This Species Accounting System will take a plenitude of existing wildlife data and provide for grouping species according to habitat and management requirements. Application of the species accounting system, particularly when applied with coarse filter analysis would indicate what species merit special attention. It is much more important to gain an understanding of the forest dependant species that will be most impacted by forest activities vs. developing site specific strategies for each and every species across the landbase. This approach will lend itself well to the priorities we place on wildlife project funding, research and development. This project and direction is deemed to be an improvement to the current wildlife management regime as well as ensuring resource managers are focusing on the most impacted species first.

LSC Recommendations: combine the 7 measures into the following indicator statement: **Percentage of blocks and roads harvested that adhere to management strategies for Species At Risk, Ungulate Winter Range, and other local species of importance. Target: 100%, Variance: -5%.**

The write up for the indicator will reference a table listing all the species that fall under SAR, UWR, or other species local to the DFA that are deemed valuable. A commitment for training of staff will also be built into the indicator write up in the plan.

Changes to the measure endorsed by the PAG at the May 26th, 2009 meeting. PAG would like to see a reference table with all the species that fall under this indicator. As well the LSC is to develop a process for introducing "local species of importance" into the indicator. Variance changed to -5% as suggested by the PAG. LSC to organize a presentation by Fred Brunnell for a future PAG meeting to discuss species management and accounting. Specify in the Species indicator write up that the Mugaha Marsh report will be reviewed annually as a monitoring tool for potential decline of locally important birds.

Measure 1-4.3 – Sites of Biological Significance ID	<u>Existing Measure Statement:</u> <i>Percentage of appropriate personnel trained to identify sites of biological significance in the DFA.</i>	Target: 100%	Variance: -10%
Measure 1-4.4 – Sites of Biological Significance management	<u>Existing Measure Statement:</u> <i>Percent of sites of biological significance that have management strategies developed by April 2007</i>	Target: 100%	Variance: 0%
Measure 1-4.5– Sites of Biological Significance effectiveness	<u>Existing Measure Statement:</u> <i>Percentage of forest operations consistent with sites of biological significance management strategies as identified in operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: <5%
<p><u>LSC Comments:</u> Sites of biological significance include the following: stick nests, valuable snags, large overstory trees, coarse woody debris, witches broom, mineral licks, rock outcrops, denning sites, and avalanche shoots.</p> <p><u>LSC Recommendations:</u> combine the 3 measures into the following indicator statement: Percentage of blocks and roads harvested that adhere to management strategies for sites of biological significance. Target: 100%, Variance: -10%.</p> <p>The write up for the indicator will reference a table listing all the sites of biological significance applicable to the DFA. A commitment for training of staff will also be built into the indicator write up in the plan.</p> <p>Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting. More clarification is required in the write up of the indicator to detail the specific characteristics of each of the sites of biological significance.</p>			

Measure 1-1.3 – Biodiversity Reserves	<u>Existing Measure Statement:</u> <i>the amount of landscape level biodiversity reserves within the DFA.</i>	Target: > area set aside across the DFA	Variance: -0.5%
<p><u>LSC Comments:</u> The biodiversity reserves applicable to this measure consist of approved protected areas and other ecological reserves. Whether or not these large reserves increase or decrease over time is not within the licensees control. Measure 1-1.4 below speaks to what is within our control – our activities within these protected areas and OGMAs. Furthermore, a summary of the area associated with the parks and protected areas are listed in Table 4 on page 35 of the SFMP.</p> <p><u>LSC Recommendations:</u> Remove this measure from the matrix.</p> <p>Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.</p>			

Measure 1-1.4 – Biodiversity Reserves Effectiveness	<u>Existing Measure Statement:</u> <i>Hectares of unauthorized forestry related harvesting or road construction within protected areas or established old growth management areas.</i>	Target: 0 ha	Variance: 0%
<u>LSC Comments:</u> This measure needs to be changed to reflect blocks and roads harvested relative to legally established old growth management areas, protected areas, and ecological reserves.			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested that are not within legally established protected areas, ecological reserves, or OGMAs. Target: 100%, Variance: 0%.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 1-3.7 – Mugaha Marsh	<u>Existing Measure Statement:</u> <i>Report out on the annual results from the Mugaha Marsh bird banding station.</i>	Target: report out on	Variance: N/A
<u>LSC Comments:</u> The information contained in the annual report for the Mugaha Marsh is important to track but does not meet the specifically relevant to forest operations.			
<u>LSC Recommendations:</u> Remove this measure from the matrix. The report can be made available to the PAG on an annual basis.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting. Specify in the Species indicator write up that the Mugaha Marsh report will be reviewed annually as a monitoring tool for potential decline of locally important birds.			

Measure 2-2.3 – Access management communication	<u>Existing Measure Statement:</u> <i>Inclusion of access management in communication strategies with stakeholders.</i>	Target: 100%	Variance: 0%
<u>LSC Comments:</u> The intent of this measure is to have a vehicle to communicate to stakeholders activities around access management. Strategies do not need to be developed to communicate deactivation.			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of off- block road deactivation projects that are communicated with applicable First Nations and Stakeholders. Target: 100%, Variance: -10%.			
Off-block road deactivations include bridge or major culvert removals, and where 2 WD drive access is restricted as a result of road permit deactivation projects.			

Stakeholders include 3rd parties that may have a vested interest in using a particular road that is planned for deactivation, ie., trappers, guide outfitters, and woodlot owners. Applicable applies to where the stakeholder area of interest overlaps with the planned activity only.

Notification of the general public is also important. The LSC will add into the write up of the indicator a commitment to advertise in the local newspaper, at least annually, all planned deactivations that pertain to this indicator.

Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.

Measure 2-5.1 – Accidental Fires	<u>Existing Measure Statement:</u> <i>The number of hectares damaged by accidental forestry related industrial fires</i>	Target: <100 ha.	Variance: +5 ha.
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure. Accidental fires happen. There is no advantage for the LSC to start a fire purposefully – it does not meet environmental or economic components of SFM.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 2-5.2 and 4-6.1– Risk Factor Management	<u>Existing Measure Statement:</u> <i>Percentage of identified risk factors with updated management strategies.</i>	Target: 100%	Variance: 0%
Measure 4-6.2 – Forest Stand Damaging Agents	<u>Existing Measure Statement:</u> <i>Areas with stand damaging agents will be prioritized for treatment.</i>	Target: 100%	Variance: -10%
<u>LSC Comments:</u> In the Ministry of forests annual Forest Health Strategy and Tactical Plan, only the ranked risk factors (13) are identified as a priority for management. The remainder are classed as not ranked, or considered a lower priority at this time. The intention of measure 4-6.2 was to ensure that the licensees and BCTS are targeting stands for harvest that are considered a high risk to stand damaging agents.			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of area (ha.) harvested that are damaged or considered to be a high risk to stand damaging agents. Target: 100%, Variance: -20%.			
The most current and available Ministry of forests annual forest Health report can be used to specify which stand damaging agents are the most important to target.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 4-1.2– Waste and Residue	<u>Existing Measure Statement:</u> <i>Percent compliance with waste and residue standards.</i>	Target: 100%	Variance: -5%
<u>LSC Comments:</u> the wording of this indicator needs to be cleaned up, and made to reflect the population of sampled blocks and roads.			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested where estimated waste and residue is below allowable levels. Target: 100%, Variance: -5%.			
Allowable levels tend to change from time to time. Currently the allowable levels are benchmarks set for removal of beetle infested wood. When the coarse woody debris legislation is finalized and then passed, the allowable levels will be redefined.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 4-2.2 and 6-1.4 – First Order Wood Products	<u>Existing Measure Statement:</u> <i>The number of first order wood products from trees harvested from the DFA</i>	Target: 5	Variance: -2
<u>LSC Comments:</u> The information supporting first order wood products might be better suited under section 3.1 of the plan. This type of information does not change much from year to year because the products from Canfor’s mill do not change very often. If they change over time then this section of the plan can be updated as necessary.			
<u>LSC Recommendations:</u> Keep this indicator and drop measure 4-5.2 from the plan (duplication).			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 4-2.3– local investment	<u>Existing Measure Statement:</u> <i>The percent of money spent on forest operations and management on the DFA provided from the north central interior suppliers (not including stumpage)</i>	Target: Report out on	Variance: N/A
Measure 4-2.4– Support for public initiatives	<u>Existing Measure Statement:</u> <i>The number of support opportunities provided to the public (stakeholders, residents, and interested parties).</i>	Target: Report out on	Variance: N/A
Measure 6-1.3– business opportunities	<u>Existing Measure Statement:</u> <i>The number of opportunities given to businesses within or immediately adjacent to the TSA to provide non-tendered services to forest management activities.</i>	Target: Report out on	Variance: N/A

Measure 6-1.5– support opportunities	<u>Existing Measure Statement:</u> <i>The number of support opportunities provided within or immediately adjacent to the TSA</i>	Target: Report out on	Variance: N/A
<u>LSC Comments:</u> These 4 measures can easily be combined into 1 meaningful indicator that is measurable.			
<u>LSC Recommendations:</u> Combine these measures into 1 indicator: The percent of money spent on forest operations and management in the DFA provided from local area suppliers (not including stumpage) Target = 30%, Variance = -5%			
<p>Changes to the measure discussed with the PAG at the June 24th, 2009 meeting. This resulting indicator statement will reflect the total amount of investment in the local area which will include Mackenzie, McLeod Lake, Germanson Landing, Manson Creek, Tsay Keh Dene, and Fort Ware. The LSC will take a look at historic numbers related to the re-defined local area and propose realistic targets and variances to the PAG at the next meeting. This indicator will pull from the LSC accounting systems all contract and non-contract spending within the local area, and compare it to the total spending relative to forest operations and management within the DFA. Some payments to local vendors are not invoiced within the definition of local area. Payments to these vendors benefit the community and will be tailed in the total calculation for money spent within the local area.</p> <p>Changes to the measure discussed with the PAG at the October 14th, 2009 meeting. BCTS and Canfor presented historic numbers and percentages of expenditures relative to the newly defined local area, as above. It was agree with the PAG that a target of 30% and variance of -5% will be used.</p> <p>Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.</p>			

Measure 4-2.1 – Wood purchases	<u>Existing Measure Statement:</u> <i>Canfor to provide opportunities to purchase wood from private enterprises.</i>	Target: Opportunity exists	Variance: 0%
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure. There is always an opportunity for Canfor to purchase timber from private enterprise, but it is contingent on price and product.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 4-2.5 – Support for environmental projects	<u>Existing Measure Statement:</u> <i>Report out on the amount of money directed towards environmental projects.</i>	Target: Report out on	Variance: N/A
<u>LSC Comments:</u> The LSC has been and will continue to update PAG from time to time with the status of ongoing and planned FIA projects.			

LSC Recommendations: Remove this measure from the plan.

Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.

Measure 4-3.1 – Taxes	<u>Existing Measure Statement:</u> <i>Municipal taxes paid to governments.</i>	Target: 100%	Variance: 0%
Measure 4-3.2 – Stumpage	<u>Existing Measure Statement:</u> <i>Stumpage paid to governments.</i>	Target: 100%	Variance: 0%

LSC Comments: The LSC is not sure of the relevance of these 2 measures since taxes, including stumpage, have to be paid. If they are not, there are other mechanisms that are used to penalize the licensees.

LSC Recommendations: Remove both of these measures from the plan.

Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.

Measure 4-4.1 – Support to First Nations	<u>Existing Measure Statement:</u> <i>The number of support opportunities provided to First Nations with treaty area and/or asserted traditional territory within the DFA.</i>	Target: Report out on	Variance: N/A
Measure 4-4.2 – Contract opportunities to first nations	<u>Existing Measure Statement:</u> <i>The number of contract opportunities provided to First Nations with treaty area and/or asserted traditional territory within the DFA.</i>	Target: Report out on	Variance: N/A
Measure 4-4.3 – Value of transactions to first nations	<u>Existing Measure Statement:</u> <i>The total value of transactions with First Nations with treaty area and/or asserted traditional territory within the DFA.</i>	Target: Report out on	Variance: N/A

LSC Comments: For measure 4-4.1, the LSC has not been able to demonstrate support opportunities directly to first nations. Support opportunities to the community are covered off in other measures. Measure 4-4.2 and 4-4.3 can be easily combined into 1 indicator to cover this off.

LSC Recommendations: Combine these measures into 1 indicator: **The number of contract opportunities with first nations within the DFA. Target = >5, Variance = -2**

The premise of this indicator that contract opportunities are no guarantee of awarding a contract to First nations. The First Nations contractor must meet the minimum requirements for each contract opportunity; offer a comparable product, at a competitive rate.

Measure 4-5.1 – Competitive Sale of timber	<u>Existing Measure Statement:</u> <i>the percentage of DFA volume advertised for sale through open competitive bid.</i>	Target: 40%	Variance: -5%
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure since it is BCTS's mandate to offer timber for sale.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			
Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.			

Measure 4-5.2 – Primary Milling Facility	<u>Existing Measure Statement:</u> <i>A competitive primary milling facility is sustained</i>	Target: >2	Variance: 0
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 5-1.1 –non-timber benefits	<u>Existing Measure Statement:</u> <i>List of existing and documented potential for marketed non-timber benefits.</i>	Target: Report out on	Variance: N/A
Measure 5-1.2 – SFM implications of non-timber values	<u>Existing Measure Statement:</u> <i>Description of potential implications of SFM practices on the amount and quality of marketed non-timber values.</i>	Target: Report out on	Variance: N/A
<u>LSC Comments:</u> Presentation of a preliminary list of potential non-timber benefits and the potential impacts of forest management activities will be presented to PAG at the fall 2008 meeting. Description of SFM implications requires that a list of marketed non-timber benefits be developed. As per Measure 5-1.1, a description of implications is to be developed on or before June 30, 2007. Now that it is in place, this measure will no longer be needed and will be removed from the SFMP.			
<u>LSC Recommendations:</u> Drop these 2 measures from the plan.			
Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.			

Measure 6-1.1 – employment	<u>Existing Measure Statement:</u> <i>Employment supported by each sector of the local economy.</i>	Target: Report out on	Variance: N/A
-----------------------------------	---	-----------------------	---------------

Measure 6-1.2 – income	<u>Existing Measure Statement:</u> <i>Contribution of income sources from each sector of the local economy.</i>	Target: Report out on	Variance: N/A
<u>LSC Comments:</u> The data set for these 2 measures comes from other sources – stats can reports. LSC would like to move the detail of these tables to section 3.2.1 of the plan under “communities and social economic description”. This information is not updated on an annual basis and is better suited in the text of the plan rather than as a measure.			
<u>LSC Recommendations:</u> Drop these 2 measures from the plan, and move the 2 tables to section 3.2.1 of the plan.			
Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.			

Measure 7-1.2 –SFMP Review	<u>Existing Measure Statement:</u> <i>The number of opportunities for the PAG to review and provide comment on the SFMP.</i>	Target: at least annually	Variance: none
Measure 7-1.3 – Meetings PAG	<u>Existing Measure Statement:</u> <i>Number of PAG meetings per year</i>	Target: at least 1 annually	Variance: none
Measure 7-1.5 – TOR Review	<u>Existing Measure Statement:</u> <i>Maintain and review at least annually and as required the Mackenzie SFMP PAG TOR to ensure a credible and transparent process.</i>	Target: at least annually	Variance: none
<u>LSC Comments:</u> The requirement to meet these 3 requirements are covered off in the PAG TOR as well in the core requirements for the SFMP. The auditors will look at the number of meetings we have each year, the TOR review, as well as PAG review of the SFMP.			
<u>LSC Recommendations:</u> Drop these 3 measures from the plan.			
Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.			

Measure 7-1.4 – Satisfaction PAG	<u>Existing Measure Statement:</u> <i>The level of satisfaction of the PAG members with the process.</i>	Target: 100%	Variance: -20%
Measure 7-1.8 – Communication PAG	<u>Existing Measure Statement:</u> <i>Percent of PAG satisfaction with the amount and timing of information presented for informed decision making.</i>	Target: 100%	Variance: -20%
<u>LSC Comments:</u> These 2 measures should be combined into 1 to report out on the total satisfaction of the PAG with the process. This indicator should reflect all aspects of the PAG meeting satisfaction survey. Combine questions M10, M11, and M12 into 1 indicator.			

LSC Recommendations: Combine these measures into 1 indicator: **Average overall percent of the PAG's satisfaction with PAG meeting process. Target = 100%, Variance = -20%**

Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.

Measure 7-1.1 – List of affected parties	<u>Existing Measure Statement:</u> <i>Implement and update a comprehensive list of stakeholders and affected third parties.</i>	Target: annually	Variance: none
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure. BCTS and Canfor maintain separate stakeholder lists that are updated on a regular basis based on government lists of stakeholders, returned mail from referrals, and communications with third parties.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			
Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.			

Measure 7-1.9 – SFMP consistency with the LRMP	<u>Existing Measure Statement:</u> <i>Report out on the consistency of indicators or measures with LRMP objectives.</i>	Target: Report out on	Variance: N/A
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure. The comparison spreadsheet was completed at the start of the plan and then reviewed again recently.			
<u>LSC Recommendations:</u> Remove this measure from the plan. The LSC to compare the LRMP objectives against the revised plan following incorporation of the new CSA standard. Target completion of this task by March 31, 2011.			
Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.			

Measure 7-1.6 – Satisfaction (affected parties)	<u>Existing Measure Statement:</u> <i>Survey residents, stakeholders, and first Nations regarding their satisfaction with forest management</i>	Target: at least every 3 years	Variance: none
Measure 7-2.1 – Concerns (affected parties)	<u>Existing Measure Statement:</u> <i>the number of opportunities given the public and stakeholders to express forestry related concerns and be involved in our planning process.</i>	Target: 6	Variance: -2
Measure 7-2.3 – response to concerns	<u>Existing Measure Statement:</u> <i>The percent of timely responses to written and documented concerns.</i>	Target: 100%	Variance: <5%

Measure 7-2.6 – communication strategy effectiveness	<u>Existing Measure Statement:</u> <i>Percentage of mutually agreed to communication strategies met.</i>	Target: 100%	Variance: <5%
<u>LSC Comments:</u> There is overlap in all 4 of these indicators. The measures speak to the number of communications and concerns raised during referrals to stakeholders. Measure 7-1.6 spells out the requirement for an all encompassing survey which is intended to be reflective of SFM, but the responses will likely be more centered on the satisfaction with the forest industry.			
<p><u>LSC Recommendations:</u> The LSC propose to combine these measures into 2 core indicators:</p> <p>The number of opportunities for the public and/or stakeholders to provide meaningful input into forest planning. Target = 6, Variance = -2</p> <p>This indicator will summarize the number of opportunities for stakeholders to provide input into Forest planning; including, referral of operational plans, open houses, trade shows, meetings, referral of PMPs, etc. Each opportunity will count as 1 towards the target. Stakeholders include Trappers, Guides, water licence holders, woodlot owners, range tenure holders, private land owners, other licensees, and other government agencies. Only stakeholders that have overlapping tenure with the applicable activity will be communicated with.</p> <p>The percentage of operational concerns raised by the public and/or stakeholders that are considered and incorporated into operational plans. Target = 100%, Variance = -10%</p> <p>This indicator will compare the number of operational concerns that have been acted on relative to the total number of operational concerns raised.</p> <p>Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.</p>			

Measure 7-2.4 – SFMP availability	<u>Existing Measure Statement:</u> <i>Distribution/access to SFM Plan, annual reports, and audit results</i>	Target: 1 annually	Variance: 0
Measure 7-2.5 – SFMP training	<u>Existing Measure Statement:</u> <i>The number of SFM educational opportunities and interactions provided</i>	Target: 2 annually	Variance: 0
<u>LSC Comments:</u> The LSC will combine these 2 measures into 1 meaningful indicator statement.			
<u>LSC Recommendations:</u>			

Measure 7-3.1 – adaptive management	<u>Existing Measure Statement:</u> <i>Adaptive management strategy is developed, documented, acted on, and reviewed.</i>	Target: at least 1 annually	Variance: 0
Measure 7-3.2 – monitoring plan	<u>Existing Measure Statement:</u> <i>monitoring plan is developed, documented, acted on, and reviewed.</i>	Target: at least 1 annually	Variance: 0
Measure 7-3.3 – annual report	<u>Existing Measure Statement:</u> <i>reports and analysis of monitoring information – annual report.</i>	Target: at least 1 annually	Variance: 0
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure, since a commitment to adaptive management and the monitoring plan exists in section 8 of the plan, as well as a commitment to the annual report is a requirement of the standard.			
<u>LSC Recommendations:</u> Remove these measures from the plan.			
Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.			

Measure 8-1.2 – TOR review (First Nations rights)	<u>Existing Measure Statement:</u> <i>Maintain and review at least annually and as required the Mackenzie SFMP PAG TOR to recognize that First Nations participation in the public process will not prejudice First Nations rights and treaty rights.</i>	Target: at least 1 annually	Variance: 0
Measure 8-2.1 – Participation (First Nations)	<u>Existing Measure Statement:</u> <i>The number of opportunities for First Nations to provide meaningful input into our planning process.</i>	Target: >= 2 per FN	Variance: 0
Measure 8-3.1 – Concerns (First Nation)	<u>Existing Measure Statement:</u> <i>Percentage of issues raised by First Nations peoples evaluated and responded to in a timely manner.</i>	Target: 100%	Variance: -10%
Measure 8-3.2 – Participation effectiveness (First Nations)	<u>Existing Measure Statement:</u> <i>Percentage of issues raised by First Nations Chief and Council or their authorized representative developed into mutually agreed upon strategies</i>	Target: 100%	Variance: -50%
Measure 8-4.1 – Participation effectiveness (First Nations)	<u>Existing Measure Statement:</u> <i>Incorporation of mutually agreed upon strategies to address First Nations peoples values, knowledge, and uses into SFMP, operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: -50%
Measure 8-4.2 – Implementation effectiveness (First Nations)	<u>Existing Measure Statement:</u> <i>Percentage of forest operations consistent with mutually agreed upon strategies developed with First Nations</i>	Target: 100%	Variance: 0%

LSC Comments: There is overlap in all 6 of these indicators.

Measure 8-1.2 is built into the Terms of Reference and is a requirement of the standard. The measure is redundant. The remaining measures speak to the number of communications and concerns raised during referrals or consultation.

LSC Recommendations: The LSC propose to combine these measures into 2 core indicators:

The number of opportunities for First Nations to provide meaningful input into forest planning. Target = ≥ 2 per FN, Variance = 0%

This indicator will summarize the number of opportunities for First Nations to actively participate in Forest planning; including, referral of operational plans, open houses at band offices, trade shows, formal meetings, PMPs, etc.

The percentage of operational concerns raised by First Nations that are considered and incorporated into operational plans. Target = 100%, Variance = -10%

This indicator will compare the number of operational concerns that have been acted on relative to the total number of first nations operational concerns raised.

Measure 9-1.1 – recreation	<u>Existing Measure Statement:</u> <i>The percentage of harvest operations with results and strategies for recreation values as identified in operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: 0
-----------------------------------	---	--------------	-------------

LSC Comments: Recreation features and the management of them are included in measure 9-3.1 – resource features.

LSC Recommendations: Remove this measure from the plan.

Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.

Measure 9-2.2 – green up buffers	<u>Existing Measure Statement:</u> <i>the percentage of harvest operations with visually effective green-up buffer along roads identified in the Mackenzie LRMP</i>	Target: 100%	Variance: 0
---	---	--------------	-------------

LSC Comments: The LSC is not sure of the relevance of this measure, given the mountain pine beetle epidemic and the predominance of pine leading stands along these road systems.

LSC Recommendations: Remove this measure from the plan.

Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.

Measure 9-3.1– Resource Features	<u>Existing Measure Statement:</u> <i>Percent of identified and/or significant places and features of social, cultural, or spiritual importance that are managed or protected.</i>	Target: 100%	Variance: 0%
<u>LSC Comments:</u> resource features as per regulation are Karst, a range development, Crown land used for research, Permanent sample sites, A cultural heritage resource, An interpretive forest site or trail, A recreational site or trail, or A recreational feature.			
<u>LSC Recommendations:</u> change this measure to this indicator: Percentage of blocks and roads harvested coinciding with identified resource features that are managed or protected. Target: 100%, Variance: -10%.			
This indicator will report out the total number of blocks and roads harvested, the number of those that have applicable resource features, and the number of those that are managed or protected.			
Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.			

Measure 9-5.1 – signage	<u>Existing Measure Statement:</u> <i>Signage on FSRs and main haul roads to be kept current</i>	Target: 100%	Variance: -5%
<u>LSC Comments:</u> This indicator needs to be re-worded to reflect the requirement for appropriate safety signs where there are current operational activities.			
<u>LSC Recommendations:</u> change this measure to this indicator: The percentage of operational activities that have the appropriate safety signage in place during the activity, and removed upon completion of the activity. Target = 100%, Variance = -20%.			
Operational activities include harvesting, road building, road side brushing, hand falling, etc. The level of appropriate safety related signage is designated in LSC safety company policies.			
Changes to the measure endorsed by the PAG at the October 14th, 2009 meeting.			

OTHER MEASURES WITH MINOR REWORDING

Measure 1-2.2 – Coarse woody debris	<u>Existing Measure Statement:</u> <i>Percentage of cutblocks that exceed coarse woody debris requirements.</i>	Target: 100%	Variance: 0%
<u>LSC Comments:</u> This indicator needs to be re-worded to reflect blocks and roads harvested during the reporting period			
<u>LSC Recommendations:</u> change this measure to this indicator: The percentage of blocks and roads harvested that exceed coarse woody debris requirements. Target = 100%, Variance = 0%.			
Coarse woody debris requirements will remain unchanged from the original SFMP until such time the coarse woody debris regulation is in force.			

Measure 2-1.5 – Site Index	<u>Existing Measure Statement:</u> <i>Variance between average pre-harvest and post harvest Site Index (at Free Growing) for cutblocks.</i>	Target: 0	Variance: 0
<u>LSC Comments:</u> This indicator needs to be re-worded to add some clarity to what exactly is being measured.			
<u>LSC Recommendations:</u> change this measure to this indicator: The percentage of standards units declared free growing that have measured site index values at or greater than pre-harvest site index. Target = 100%, Variance = -5%.			
Standard units are declared, not blocks. The table in the SFMP indicating average pre-harvest site index values for both pine and spruce leading stands will continue to be used as a benchmark.			

Measure 2-3.1 – regeneration delay	<u>Existing Measure Statement:</u> <i>Percent of harvested blocks declared stocked prior to the regeneration date consistent with operational plans.</i>	Target: 100%	Variance: -5%
<u>LSC Comments:</u> This indicator needs to be re-worded to add some clarity to what exactly is being measured.			
<u>LSC Recommendations:</u> change this measure to this indicator: The percentage of standards units declared stocked prior to the regeneration date consistent with operational plans. Target = 100%, Variance = -5%.			
Standard units are declared stocked, not blocks.			

Measure 2-3.2 – free growing	<u>Existing Measure Statement:</u> <i>Percent of harvested blocks declared Free Growing prior to the late free growing assessment date.</i>	Target: 100%	Variance: -5%
<u>LSC Comments:</u> This indicator needs to be re-worded to add some clarity to what exactly is being measured.			
<u>LSC Recommendations:</u> change this measure to this indicator: The percentage of standards units declared free growing prior to the late free growing assessment date. Target = 100%, Variance = -5%.			
Standard units are declared free growing, not blocks.			

Canfor Mackenzie 2009 Surveillance Audit Report July 31, 2009

SUMMARY OF AUDIT FINDINGS

- **Objectives**
- **Findings**
- **Conclusions**

Objectives

- **First surveillance audit of corporate ISO 14001 and CSA Z809 certifications.**
- **Limited scope assessment of selected elements of the ISO 14001 and CSA Z809 standards.**
- **Follow-up on the status on open findings from previous external audits.**
- **NB: CoC is not within the scope of this audit as: (1) the PEFC re-certification audit took place earlier in the year, and (2) the Mackenzie operation is not currently included within the scope of Canfor's PEFC CoC certification.**

Findings

- **Operational Strengths**
- **Status of Previous Non-conformities**
- **New Findings**

Operational Strengths

- The Mackenzie operation has done a good job of maintaining the key elements of the FMS during the recent curtailment of logging and sawmilling operations.
- Inspection of a sample of recently harvested blocks found that the Mackenzie operation has implemented a timely and effective reforestation program. The majority of blocks are reforested with 1 year of logging. In addition, multiple species are used to reduce the risks related to insects and disease and enhance stand level diversity.
- The contractor who is currently conducting logging and road building for the operation (Duz Cho) has an employee whose role is to ensure that their activities are carried out in conformance with FMS requirements.
- The Mackenzie operation has done a good job in recent months of working towards streamlining the SFM plan, removing the previous duplication of measures and transitioning to the requirements of Z809-08.
- The Mackenzie PAG has relatively good representation of local FNs relative to many other PAGs in the province.

Status of Previous Non-conformities

The status of previous NCs is as follows:

- **2008-NC-01 (lack of the quorum necessary for the Mackenzie PAG to make formal decisions):** The Mackenzie PAG ToR was revised in October 2008 such that a quorum is now defined as more than 50% of the average attendance from the previous 5 meetings. Review of a sample of recent PAG meetings found that the PAG is now functioning fairly effectively and is able to make decisions regarding needed changes to the SFM plan. NC closed.
- **2008-NC-02 (18/75 SFM plan measures not met in 2006/07):** Review of the 2008/09 annual monitoring report found that there has been an overall improvement in performance (11/75 of the measures not met in 2008/09 versus 18/75 measures not met in 2006/07). In addition, approximately 50% of these measures have recently been revised (to make them more achievable) or removed from the plan. Finally, the remaining measures that weren't met are generally minor in nature, and the fact that they were not met does not detract significantly from the achievement of SFM on the DFA. NC closed.

Status of Previous Non-conformities

- **2008-NC-06 (fuel and waste management issues at Philip Camp): A field inspection of the Philip Camp during the 2009 surveillance audit found that all of the fuel and waste management issues identified during the 2008 audit have now been addressed. NC closed.**
- **2008-NC-08 (lack of current status information for 12/75 SFM plan measures): Review of the 2008/09 Mackenzie SFM plan annual report found that current status information for all SFM plan measures (including the 12 measures where a deficiency in current status information was identified during the 2008 audit) is now in place. NC closed.**

Status of Previous Non-conformities

- **2008-NC-09 (deficiencies in the establishment and implementation of strategies to meet 5 Mackenzie SFM plan targets): Review of the current SFM plan found that 2 out of the 5 measures (1-3.3 and 1-3.4) for which deficiencies had been identified in relation to the establishment and implementation of strategies had recently been deleted from the plan. In addition, the CWD study (measure 1-2.2) and required training in sites of biological significance (measure 1-4.3) are now complete. In addition, discussions with divisional staff found that although formal fine filter strategies have not been established for all sites of biological significance, staff have been trained in their identification and there is a process to involve outside experts as necessary to ensure appropriate management takes place. NC closed.**

Progress towards Addressing Previous OFIs

Follow-up comments regarding previous OFIs:

- **2008-OFI-05 (overly-complex nature of the current Mackenzie SFM plan, particularly in light of the recent curtailment in operations and the associated reduction in available resources):** An interview with Dan Szekely, review of recent PAG meeting minutes and the 2009 summary of proposed changes to the Mackenzie SFMP measures found that approximately 75% of the required changes to the measures are now complete, and most have received PAG approval. The current target is to complete all the required changes to the plan (including revisions to the measures to reflect the standard VOIT format rather than the existing measures, transitioning to CSA Z809-08, etc.) by the end of March 2010. On balance, the operation has made good progress towards addressing this OFI. Further follow-up to ensure that all remaining SFM plan changes have been made is required during the 2010 surveillance audit.

New Findings

Non-conformities

- No new non-conformities were identified during the 2009 ISO 14001/CSA Z809 surveillance audit.

New Findings

Opportunities for improvement

- **ISO 14001 4.3.3 – ISO The Forest Management Group East Region (PG DFA, TFL 30, Fort St. James, Quesnel and Mackenzie) has yet to develop an Environmental Management Program for 2009/10. NB: The EMP is typically prepared in the spring during break-up, but was put on hold as a result of the recent re-organization. (OFI)**

New Findings

Isolated issues

- **ISO 14001 4.4.6/CSA Z809 7.4.6 – Part of a temporary crossing was found to have been left in an S-4 stream following completion of logging (block N11-3334). NB: The stream was over-classified at the crossing point (i.e., it should have been classified as an NCD on this portion of the block rather than an S-4). In addition, the material that was left in the stream (4 logs) was not impeding flow and had not contributed to any erosion of the channel.**
- **Review of the information in ITS found that while the action plans to address some incidents (mostly internal audit findings) had been completed, ITS had not been updated to reflect this.**

Field Sample Coverage

	Number of field samples
Harvesting	2
Roads	4
Silviculture	4

Overall Conclusions

- **The ISO 14001 EMS continues to be effectively implemented.**
- **The SFM system continues to conform to the CSA Z809 Standard.**

Reporting

- **Our findings will be summarized in a corporate summary report in August 2009.**
- **Public summary report(s) (possibly two - BC and Alberta) will be made available for review and comment once all action plans have been approved.**
- **NB: Unless identified at other operations, isolated issues identified at the divisional level will not be brought forward to the corporate audit report.**

Focus Areas for the Next Assessment

- **Implementation of action plans developed to address external audit findings from the 2009 audit and previous years (where these remain open).**
- **Continued progress towards streamlining the SFM plan, removing the previous duplication of measures and transitioning to the requirements of Z809-08.**
- **Provision of adequate resources to effectively implement the FMS at the Mackenzie operation given the recent: (1) start-up of operations, and (2) woodlands re-organization.**

BCTS - Prince George (Mackenzie)
 Comparative Assessment of Mackenzie SFMP Indicators to New CSA Standard Indicators

CSA SFM Element	New Core CSA Indicator Requirement	Related plan indicators	Indicators fundamental to meeting new CSA requirements	Indicators related to but not fundamental to new CSA requirements	Indicators not related to new CSA requirements	Monitoring frequency logical?	Gaps	Comments
CSA SFM Element 1.1 Ecosystem Diversity	Ecosystem area by type	1-1.1, 1-1.2, 1-1.5, 1-2.1	1-1.5	1-1.1, 1-1.2	1-2.1	Monitoring frequency not yet established in SFMP for measure 1-1.5.	Fundamental SFMP measure is restricted to measuring the percentage of productive forest by BEC variant represented within the non-harvestable land base (i.e., THLB is excluded from this measure although presumably the analysis of current status (which has yet to be completed) will not focus solely on the non-harvestable land base when the assessing the areas by BEC variant in the DFA). Although the other noted measures provide a basis for measuring BEC variant areas on the DFA, their focus is on old forest (1-1.1), interior forest (1-1.2), early seral patch size (1-2.1) and tree species composition (1-2.5) not on providing an overall collective measure of the area by BEC variant in the DFA. In addition, there is no current status and target yet established for measure 1-2.5.	Current status and target have not yet been established for measure 1-1.5.
	Forest area by type or species composition	1-1.1, 1-1.2, 1-1.5, 1-2.1		1-1.1, 1-1.2, 1-1.5	1-2.1	Additional monitoring required	There is no existing indicator that directly corresponds to the new CSA indicator (1-2.5 did relate, but was recently taken out of the Dec. 08 version of the SFMP).	
	Forest area by seral stage or age class	1-1.1, 1-2.1	1-1.1		1-2.1	Annual (less frequent required)	Forest area by all seral stages not captured in suite of SFMP indicators (i.e., 1-1.1 is restricted to measuring percentage area of old and mature+old seral stage and 1-2.1 is restricted to measuring early patch % by patch size category).	
CSA SFM Element 1.2 Species Diversity	Degree of habitat protection for selected focal species including species at risk	1-1.1, 1-1.2, 1-1.3, 1-1.4, 1-2.3, 1-2.6, 1-3.2, 1-3.3, 1-3.4, 1-3.5, 1-3.6, 1-4.3, 1-4.4, 1-4.5	1-2.6, 1-3.5, 1-3.6	1-1.1, 1-1.2, 1-1.3, 1-1.4, 1-2.3, 1-3.2, 1-3.3, 1-3.4, 1-4.3, 1-4.4, 1-4.5		Yes - annual	No significant gaps identified.	

BCTS - Prince George (Mackenzie)
Comparative Assessment of Mackenzie SFMP Indicators to New CSA Standard Indicators

CSA SFM Element	New Core CSA Indicator Requirement	Related plan indicators	Indicators fundamental to meeting new CSA requirements	Indicators related to but not fundamental to new CSA requirements	Indicators not related to new CSA requirements	Monitoring frequency logical?	Gaps	Comments
	Degree of suitable habitat in the long term for selected focal species including species at risk	1-1.1, 1-1.2, 1-1.3, 1-1.4, 1-2.3, 1-2.6, 1-3.2, 1-3.3, 1-3.4, 1-3.5, 1-3.6, 1-4.3, 1-4.4, 1-4.5	1-1.2, 1-2.6, 1-3.5, 1-3.6	1-1.1, 1-1.2, 1-1.3, 1-1.4, 1-2.3, 1-3.2, 1-3.3, 1-3.4, 1-4.3, 1-4.4, 1-4.5		Yes - annual	No significant gaps identified.	
	Proportion of regeneration comprised of native species	2-3.1, 2-3.2, 2-3.3	2-3.3	2-3.1, 2-3.2		Yes - annual	No significant gaps identified	New CSA indicator likely largely addressed through adherence to existing silviculture regulatory requirements, including stocking standards specified in FSPs that require the regeneration of ecologically suited species and the Chief Forester's Standards for Seed Use.
CSA SFM Element 1.3 Genetic Diversity								
CSA SFM Element 1.4 Protected Areas and Sites of Special Biological and Cultural Significance								
	Proportion of identified sites with implemented management strategies	1-1.3, 1-1.4, 1-4.3, 1-4.4, 1-4.5, 8-1.1, 9-3.1	1-1.4, 1-4.4, 1-4.5	1-1.3, 1-4.3, 8-1.1, 9-3.1		Yes - during ongoing forestry supervision monitoring and reported on annually	Fine-filter management strategies have not yet been established for sites of biological significance potentially present in the BA's operating areas (respecting 1-4.4).	
	Understanding and use of Aboriginal knowledge, with the involvement of willing Aboriginal communities, to identify and manage culturally important resources and values (Element 6.2)	7-2.1, 7-2.3, 7-2.6, 8-1.1, 8-1.2, 8-2.1, 8-3.1, 8-3.2, 8-4.1, 8-4.2, 9-3.1	8-1.1, 8-2.1, 8-3.1, 8-3.2, 8-4.1, 8-4.2	7-2.1, 7-2.3, 7-2.6, 8-1.1, 8-1.2, 9-3.1		Yes - annual	No significant gaps identified.	The noted fundamental SFMP measures (which relate to the BA's First Nation FSP and operational plan public referral, consultation, information sharing and associated operational strategy development and implementation processes) likely address the new core CSA indicator requirements.
CSA SFM Element 2.1 Forest Ecosystem Resilience								
	Proportion of naturally disturbed area that is not salvage harvested	2-5.1, 2-5.2		2-5.1, 2-5.2		Additional monitoring required	Noted SFMP indicators peripherally but not directly applicable to new core CSA indicator.	
	Reforestation success (Also listed under 4.1)	2-3.1, 2-3.2, 2-3.3	2-3.1	2-3.2, 2-3.3		Already covered by EMS / regulatory requirements and no additional monitoring required	No significant gaps identified.	Reforestation success covered by existing silviculture regulatory requirements and associated planning processes (FSPs and SPs) and corresponding silviculture activities, surveys and tracking systems.

BCTS - Prince George (Mackenzie)
Comparative Assessment of Mackenzie SFMP Indicators to New CSA Standard Indicators

CSA SFM Element	New Core CSA Indicator Requirement	Related plan indicators	Indicators fundamental to meeting new CSA requirements	Indicators related to but not fundamental to new CSA requirements	Indicators not related to new CSA requirements	Monitoring frequency logical?	Gaps	Comments
CSA SFM Element 2.2 Forest Ecosystem Productivity	Mean annual increment	2-1.5		2-1.5		Additional monitoring required	No SFMP measure directly pertaining to MAI.	
	Additions and deletions to the forest area by cause	2-2.1, 2-2.2, 2-5.1, 4-1.1	2-2.1	2-2.2	2-5.1, 4-1.1	Already covered by EMS / regulatory requirements and no additional monitoring required	Deletions from the THLB partially addressed in the fundamental SFMP measure (which relates to site conversions to non-forested land as a result of forest management activity, which would encompass conversion to PAS within blocks (i.e., 2-2.2)), however deletions in forest area caused by other non-forest management based-factors not captured in this measure and additions not specifically captured in existing suite of SFMP measures.	Additions and deletions to the forest are fundamental components included in the process of determining the THLB during TSR.
	Sustainable harvest levels	4-1.1		4-1.1		Already covered by EMS / regulatory requirements and no additional monitoring required	Although there are a number of measures that have implications respecting (and would feed into) the process of analyzing and establishing sustainable harvest levels on the DFA, no specific SFMP measure has been established that is directly applicable to this new core CSA indicator.	Analysis and determination of sustainable harvest levels occurs during TSR process. Measure 4-1.1 compares actual harvest volumes to apportioned volumes established under this process.
	Proportion of the calculated long-term sustainable harvest that is actually harvested	4-1.1	4-1.1			Already covered by EMS / regulatory requirements and no additional monitoring required	No significant gaps identified.	Analysis and determination of sustainable harvest levels occurs during TSR process. Measure 4-1.1 compares actual harvest volumes to apportioned volumes established under this process.
CSA SFM Element 3.1 Soil Quality and Quantity	Level of soil disturbance	1-2.7, 1-2.10, 1-2.12, 2-1.2, 2-1.3, 2-1.5, 2-2.1, 2-2.2	2-1.2, 2-2.2	2-1.3, 2-1.5, 2-2.1	1-2.7, 1-2.10, 1-2.12	Already covered by EMS / regulatory requirements and no additional monitoring required	No significant gaps identified.	The two fundamental SFMP measures in combination with existing regulatory requirements and corresponding EMS, operational controls and planning (FPS, SP, RPs, etc.) and monitoring processes address this new core CSA indicator.

BCTS - Prince George (Mackenzie)
Comparative Assessment of Mackenzie SFMP Indicators to New CSA Standard Indicators

CSA SFM Element	New Core CSA Indicator Requirement	Related plan indicators	Indicators fundamental to meeting new CSA requirements	Indicators related to but not fundamental to new CSA requirements	Indicators not related to new CSA requirements	Monitoring frequency logical?	Gaps	Comments
	Level of downed woody debris	1-2.2, 4-1.2	1-2.2	4-1.2		Additional monitoring required	The noted fundamental measure relates to the percentage of cutblocks exceeding prescribed CWD levels as opposed to post-harvest CWD levels.	Although the measure itself does not relate to actual CWD levels, the operation is likely measuring the levels post-logging to some degree of accuracy through silviculture surveys or residue and waste surveys (in part to measure its compliance with waste and residue standards (which relates to 4-1.2)). Under this new core CSA indicator, the actual level will need to be determined and as such the existing processes for measuring may need to be refined.
CSA SFM Element 3.2 Water Quality and Quantity	Proportion of watershed area with recent stand-replacing disturbance	1-2.9	1-2.9			Additional monitoring required	Emphasis is on measuring the peak flow indices in watersheds, however ECA is a required factor that must be determined in calculating the PFI.	Once the current PFI status has been assessed for the DFA watersheds and targets have been established, the plan is for the signatories to develop systems to monitor future planned harvesting to achieve them. This process of monitoring adherence to the target would require the continued monitoring of harvest block and ECA areas as a proportion of the watershed.
CSA SFM Element 4.1 Carbon Uptake and Storage	Net carbon uptake/balance.					Additional monitoring required	No existing SFMP measure that fundamentally addresses this new core CSA indicator.	
	Reforestation success (Also listed under Element 2.1)	2-3.1, 2-3.2, 2-3.3	2-3.1	2-3.2, 2-3.3		Already covered by EMS / regulatory requirements and no additional monitoring required	No significant gaps identified.	Reforestation success covered by existing silviculture regulatory requirements and associated planning processes (FSPs and SPs) and corresponding silviculture activities, surveys and tracking systems.

BCTS - Prince George (Mackenzie)
Comparative Assessment of Mackenzie SFMP Indicators to New CSA Standard Indicators

CSA SFM Element	New Core CSA Indicator Requirement	Related plan indicators	Indicators fundamental to meeting new CSA requirements	Indicators related to but not fundamental to new CSA requirements	Indicators not related to new CSA requirements	Monitoring frequency logical?	Gaps	Comments
CSA SFM Element 4.2 Forest Land Conversion	Additions and deletions to the forest area by cause	2-2.1, 2-2.2, 2-5.1, 4-1.1	2-2.1	2-2.2	2-5.1, 4-1.1	Already covered by EMS / regulatory requirements and no additional monitoring required	Deletions from the THLB partially addressed in the fundamental SFMP measure (which relates to site conversions to non-forested land as a result of forest management activity, which would encompass conversion to PAS within blocks (i.e., 2-2.2)), however deletions in forest area caused by other non-forest management based-factors not captured in this measure and additions not specifically captured in existing suite of SFMP measures.	Additions and deletions to the forest are fundamental components included in the process of determining the THLB during TSR.
CSA SFM Element 5.1 Timber and Non-Timber Benefits	Quantity and quality of timber and non-timber benefits, products and services produced in the DFA	4-2.2, 4-2.3, 4-2.4, 4-2.5, 4-3.1, 4-3.2, 4-4.1, 4-4.2, 4-4.3, 5-1.1, 6-1.1, 6-1.2, 6-1.3, 6-1.5	4-2.2, 4-2.3, 4-2.4, 4-2.5, 4-3.1, 4-3.2, 4-4.1, 4-4.2, 4-4.3, 5-1.1, 6-1.1, 6-1.2, 6-1.3, 6-1.5			Yes - annual	All the noted SFMP measures provide a collective picture of the quantity and in some cases quality of timber and non-timber benefits, products and services produced in the DFA. Current status and targets have not been assessed and set respectively for all the noted SFMP measures (i.e., 4-2.4 (Support of Public Initiatives), 5-1.1 (Non-timber Benefits) and 6-1.5 (Support Opportunities)).	
CSA SFM Element 5.2 Communities and Sustainability	Level of investments in plant and equipment, training and skills development, infrastructure, and the community and its facilities	4-2.3, 4-2.5, 4-3.1, 4-3.2, 4-4.1, 4-4.3, 6-1.2	4-2.3, 4-2.5, 4-3.1, 4-3.2, 4-4.1, 4-4.3, 6-1.2			Additional monitoring required	All the noted SFMP measures provide a collective picture of the level of investment in the community and province (although the investment categories do not clearly align with those noted in the new CSA indicator - i.e., investment dollars are not itemized by expenditures directed towards plants, equipment, training and skills development, infrastructure, etc.).	

BCTS - Prince George (Mackenzie)
Comparative Assessment of Mackenzie SFMP Indicators to New CSA Standard Indicators

CSA SFM Element	New Core CSA Indicator Requirement	Related plan indicators	Indicators fundamental to meeting new CSA requirements	Indicators related to but not fundamental to new CSA requirements	Indicators not related to new CSA requirements	Monitoring frequency logical?	Gaps	Comments
CSA SFM Element 6.1 Aboriginal and Treaty Rights	Protection or management of culturally important sites and values	8-1.1, 9-3.1	8-1.1, 9-3.1			Already covered by EMS / regulatory requirements and no additional monitoring required	No significant gaps identified.	Substantively addressed through noted fundamental SFMP measures in combination with the operation's adherence to regulatory requirements (including Heritage Conservation Act requirements) in its planning (FSP, SP), referral (particularly its processes for referring operational plans to affected First Nations and getting agreement on management strategies to address identified archeological values) and management activities and corresponding implementation of operational controls, monitoring processes, etc. established under the it's EMS.
	Protection of sacred sites.	8-1.1, 9-3.1	9-3.1	8-1.1		Yes - annual	No significant gaps identified. However, current status has not yet been determined for measure 9-3.1 (Resource features).	This fundamental SFMP measure specifically includes the notion of protecting resource features or places of spiritual importance. Also see comments directly above.
CSA SFM Element 6.2 Respect for Aboriginal Forest Values, Knowledge, and Uses	Understanding and use of Aboriginal knowledge, with the involvement of willing Aboriginal communities, to identify and manage culturally important resources and values (1.4)	8-2.1, 8-3.1, 8-3.2, 8-4.1, 8-4.2	8-2.1, 8-3.1, 8-3.2, 8-4.1, 8-4.2			Yes - annual	No significant gaps identified.	The noted fundamental SFMP measure (which relate to the BA's First Nation FSP and operational plan public referral, consultation, information sharing and associated operational strategy development and implementation processes) likely address this new core CSA indicator.
CSA SFM Element 6.3 Forest Community Well-being and Resilience	Evidence that the organization has cooperated with other forest-dependent businesses, forest users and the local community to strengthen and diversify the local economy	4-2.1, 4-2.4, 4-2.5, 4-4.1, 4-4.2, 4-4.3, 4-5.1, 5-1.1, 5-1.2, 6-1.3, 6-1.5, 7-2.1, 7-2.3, 8-2.1	4-2.1, 4-2.4, 4-2.5, 4-4.1, 4-4.2, 4-4.3, 4-5.1, 5-1.1, 6-1.3	5-1.2, 6-1.5	7-2.1, 7-2.3, 8-2.1	Yes - annual	All the noted fundamental SFMP measures provide a collective picture of the efforts made to work with local businesses, users and the community to strengthen and diversify the local economy.	

BCTS - Prince George (Mackenzie)
Comparative Assessment of Mackenzie SFMP Indicators to New CSA Standard Indicators

CSA SFM Element	New Core CSA Indicator Requirement	Related plan indicators	Indicators fundamental to meeting new CSA requirements	Indicators related to but not fundamental to new CSA requirements	Indicators not related to new CSA requirements	Monitoring frequency logical?	Gaps	Comments
	Evidence of cooperation with DFA-related workers and their unions to improve and enhance safety	9-4.1, 9-4.2	9-4.1, 9-4.2			Additional monitoring required	The two noted SFMP measures provide an indirect measure of efforts to improve safety (as they relate to the existence of a safety policy (9-4.1) and of the number of lost time accidents (9-4.2)) but do not provide a direct, proactive indication of the cooperative efforts employed to improve upon safety. There may be a need to develop and implement a more direct measure to meet the intent of this new core CSA indicator (i.e., that specifically identifies the cooperative health and safety measures established and implemented to improve and enhance safety over time).	
CSA SFM Element 6.4 Fair and Effective Decision Making	Level of participant satisfaction with the public participation process	7-1.4, 7-1.6, 7-1.8	7-1.4, 7-1.8	7-1.6		Yes - annual	The noted fundamental SFMP measure meets the new core CSA indicator requirements.	It is assumed that the current PAG surveys elicit opinion and satisfaction levels from PAG members on an appropriate range of relevant themes pertaining to the public participation process.
	Promotion of capacity development and meaningful participation of Aboriginal communities	4-4.1, 4-4.2, 4-4.3, 8-2.1, 8-3.1, 8-3.2, 8-4.1, 8-4.2	4-4.1, 4-4.2, 4-4.3, 8-2.1, 8-3.1, 8-3.2, 8-4.1	8-4.2		Yes - annual	No significant gaps identified.	
CSA SFM Element 6.5 Information for Decision-Making	Number of people reached through educational outreach	2-2.3, 7-1.1, 7-1.2, 7-1.3, 7-1.5, 7-1.7, 7-2.1, 7-2.3, 7-2.4, 7-2.5, 7-2.6		2-2.3, 7-1.1, 7-1.2, 7-1.3, 7-1.5, 7-1.7, 7-2.1, 7-2.3, 7-2.4, 7-2.5, 7-2.6		Additional monitoring required	All of the noted SFMP measures relate to educational outreach initiatives, however none use the number of people reached during these efforts as a metric for assessing performance.	
	Availability of summary information on issues of concern to the public	4-4.1, 7-1.2, 7-2.4, 7-2.5, 7-2.6, 7-3.3		4-4.1, 7-1.2, 7-2.4, 7-2.5, 7-2.6, 7-3.3		Additional monitoring required	The public outreach initiatives captured in the noted SFMP measures would likely include the provision of summary information, however the measures themselves do not provide a measure of public outreach on the same basis as the new indicator.	

Mackenzie SFMP Summary of Proposed Changes to Measures 2009

General changes to the Plan	
Layout of the plan	Remove all the duplicate measure statements that currently exist within the plan. Change the layout to having CSA elements listed under each indicator statement in the Plan.
Function of the plan	Change the overall look and appearance of the plan to follow the CSA standard (VOIT) rather than use the old Slokan format (measures)

Measure 1-1.1 – Old forest	<u>Existing Measure Statement:</u> <i>Percent area of old and mature+old seral stage by landscape unit group and BEC variant for CFLB within the DFA.</i>	Target: As per the Mackenzie TSA biodiversity order	Variance: 0%
<u>LSC Comments:</u> This measure needs to be changed to reflect blocks and roads harvested relative to the old growth requirement for the applicable landscape unit group			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested that meet the prescribed old growth targets. Target: 100%, Variance: 0%.			
The write up for the indicator will have to be changed to reflect the new legal Mackenzie TSA biodiversity order. The old will be reported by landscape unit group and then by BEC group. The intent is to only report out for landscape unit groups that have harvesting or road building activities completed during the particular reporting period.			
Changes to the measure endorsed by the PAG at the May 26th, 2009 meeting.			

Measure 1-1.2 – Old interior forest	<u>Existing Measure Statement:</u> <i>Percent area of old interior by landscape unit group and BEC variant for CFLB within the DFA.</i>	Target: As per the Mackenzie TSA biodiversity order	Variance: 0%
<u>LSC Comments:</u> This measure needs to be changed to reflect blocks and roads harvested relative to the old growth requirement for the applicable landscape unit group			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested that meet the prescribed interior old targets. Target: 100%, Variance: 0%.			
The write up for the indicator will have to be changed to reflect the new legal Mackenzie TSA biodiversity order. The interior old will be reported			

by landscape unit group and then by BEC group. The intent is to only report out for landscape unit groups that have harvesting or road building activities completed during the particular reporting period.

Changes to the measure endorsed by the PAG at the May 26th, 2009 meeting.

Measure 1-1.5 – Productive Forest Representation	<u>Existing Measure Statement:</u> <i>Percent productive forest by BEC variant represented within the non-harvestable land base.</i>	Target: TBA	Variance: ?
<u>LSC Comments:</u> Targets need to be set for this indicator.			
<u>LSC Recommendations:</u> Preliminary targets are included in the 2008-09 Annual Report. These targets will be further reviewed and discussed with the PAG during a meeting in the 2009-10 fiscal year.			
May 26th meeting: LSC to present targets and revised indicator to the PAG prior to March 31, 2010.			

Measure 1-2.1 – patch size	<u>Existing Measure Statement:</u> <i>Percent area by patch size class by landscape unit group and NDT.</i>	Target: Trend towards targets in the LRMP	Variance: N/A
<u>LSC Comments:</u> This measure needs to be changed to reflect blocks and roads harvested relative to the patch size requirement for the applicable landscape unit group and NDT			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested that meet the prescribed patch size target ranges or are trending towards the target range. Target: 100%, Variance: -30%.			
Targets will be based on target ranges from the biodiversity guidebook. Patch will be reported by landscape unit group and NDT. The intent is to only report out for landscape unit groups that have harvesting or road building activities completed during the particular reporting period.			
Changes to the measure endorsed by the PAG at the May 26th, 2009 meeting. PAG would like to see the rationale for the variance, and under what circumstances the variance would be used, added to the indicator write up in the SFMP.			

Measure 1-2.9 – Peak Flow Index	<u>Existing Measure Statement:</u> <i>Percent of watersheds containing approved or proposed development with Peak flow Index calculations completed.</i>	Target: 100%	Variance: ?
<u>LSC Comments:</u> Now that all the applicable watersheds have PFI values generated, the threshold targets need to be set for each watershed.			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested that are below threshold targets by watershed, or adhere to the recommendations contained in a detailed watershed assessment. Target: 100%, Variance:			

0%.

The detailed watershed assessment is completed when planned harvest exceeds the prescribed threshold targets for a watershed. These assessments must be completed by a qualified person such as a hydrologist.

May 26th meeting: LSC to go away and set the targets by watershed, then put on a presentation to the PAG on how they are set and what goes into watershed analysis. New indicator not endorsed at the PAG meeting.

Measure 1-2.6 – Caribou Ungulate Range Effectiveness	<u>Existing Measure Statement:</u> <i>Percent of forest operations consistent with approved provincial Caribou Ungulate Winter Range requirements.</i>	Target: 100%	Variance: 0%
Measure 1-3.1 – Caribou Ungulate Range Effectiveness	<u>Existing Measure Statement:</u> <i>Percent of forest operations consistent with approved provincial Caribou Ungulate Winter Range requirements.</i>	Target: 100%	Variance: 0%
Measure 1-3.2– Species At risk Identification	<u>Existing Measure Statement:</u> <i>Percentage of appropriate personnel trained to identify species at risk in the DFA</i>	Target: 100%	Variance: <10%
Measure 1-3.3 – Species at risk management	<u>Existing Measure Statement:</u> <i>Percent of species at risk in the DFA that have management strategies developed by April 2007.</i>	Target: 100%	Variance: 0%
Measure 1-3.4 – LRMP Wildlife Management	<u>Existing Measure Statement:</u> <i>Percent LRMP Resource Management Zone (RMZ) specific wildlife strategies with management strategies by April 2007.</i>	Target: 100%	Variance: 0%
Measure 1-3.5 – Species at Risk management strategies	<u>Existing Measure Statement:</u> <i>Percentage of forest operations consistent with species at risk in the DFA management strategies as identified in operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: <5%
Measure 1-3.6 – LRMP wildlife management effectiveness	<u>Existing Measure Statement:</u> <i>Percentage of forest operations consistent with LRMP resource management zone (RMZ) specific management strategies as identified in operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: <5%

LSC Comments: Of the 14 species identified in the LRMP, 11 have existing management strategies in place. Arctic Grayling and Bull Trout are within our Species-At-Risk management strategies. Elk, Stone Sheep, and Mountain Goat are covered off within Ungulate Winter Range management strategies. Eagles, Northern Goshawks, Osprey, and Peregrine Falcon nests are all protected under the Wildlife Act and there are appropriate management strategies in place for them. Management for Rainbow and Lake Trout are covered off by strategies contained with Forest Stewardship Plans for both Canfor and BCTS. This leaves Marten, Moose, and Trumpeter Swan without management strategies. Canfor

moving forward will be consolidating and coordinating the entire Wildlife Management program into one indicator / measure consisting of training, identification, management strategies and implementation. A measure focussing on the result rather than the process will be more meaningful. Canfor Operations across the Western Canada are moving down the path of a Biodiversity Centric - Species Accounting system. This Species Accounting System will take a plenitude of existing wildlife data and provide for grouping species according to habitat and management requirements. Application of the species accounting system, particularly when applied with coarse filter analysis would indicate what species merit special attention. It is much more important to gain an understanding of the forest dependant species that will be most impacted by forest activities vs. developing site specific strategies for each and every species across the landbase. This approach will lend itself well to the priorities we place on wildlife project funding, research and development. This project and direction is deemed to be an improvement to the current wildlife management regime as well as ensuring resource managers are focusing on the most impacted species first.

LSC Recommendations: combine the 7 measures into the following indicator statement: **Percentage of blocks and roads harvested that adhere to management strategies for Species At Risk, Ungulate Winter Range, and other local species of importance. Target: 100%, Variance: -5%.**

The write up for the indicator will reference a table listing all the species that fall under SAR, UWR, or other species local to the DFA that are deemed valuable. A commitment for training of staff will also be built into the indicator write up in the plan.

Changes to the measure endorsed by the PAG at the May 26th, 2009 meeting. PAG would like to see a reference table with all the species that fall under this indicator. As well the LSC is to develop a process for introducing "local species of importance" into the indicator. Variance changed to -5% as suggested by the PAG. LSC to organize a presentation by Fred Brunnell for a future PAG meeting to discuss species management and accounting. Specify in the Species indicator write up that the Mugaha Marsh report will be reviewed annually as a monitoring tool for potential decline of locally important birds.

Measure 1-4.3 – Sites of Biological Significance ID	<u>Existing Measure Statement:</u> <i>Percentage of appropriate personnel trained to identify sites of biological significance in the DFA.</i>	Target: 100%	Variance: -10%
Measure 1-4.4 – Sites of Biological Significance management	<u>Existing Measure Statement:</u> <i>Percent of sites of biological significance that have management strategies developed by April 2007</i>	Target: 100%	Variance: 0%
Measure 1-4.5– Sites of Biological Significance effectiveness	<u>Existing Measure Statement:</u> <i>Percentage of forest operations consistent with sites of biological significance management strategies as identified in operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: <5%
<p><u>LSC Comments:</u> Sites of biological significance include the following: stick nests, valuable snags, large overstory trees, coarse woody debris, witches broom, mineral licks, rock outcrops, denning sites, and avalanche shoots.</p> <p><u>LSC Recommendations:</u> combine the 3 measures into the following indicator statement: Percentage of blocks and roads harvested that adhere to management strategies for sites of biological significance. Target: 100%, Variance: -10%.</p> <p>The write up for the indicator will reference a table listing all the sites of biological significance applicable to the DFA. A commitment for training of staff will also be built into the indicator write up in the plan.</p> <p>Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting. More clarification is required in the write up of the indicator to detail the specific characteristics of each of the sites of biological significance.</p>			

Tango_77

Measure 1-1.3 – Biodiversity Reserves	<u>Existing Measure Statement:</u> <i>the amount of landscape level biodiversity reserves within the DFA.</i>	Target: > area set aside across the DFA	Variance: -0.5%
<p><u>LSC Comments:</u> The biodiversity reserves applicable to this measure consist of approved protected areas and other ecological reserves. Whether or not these large reserves increase or decrease over time is not within the licensees control. Measure 1-1.4 below speaks to what is within our control – our activities within these protected areas and OGMAs. Furthermore, a summary of the area associated with the parks and protected areas are listed in Table 4 on page 35 of the SFMP.</p> <p><u>LSC Recommendations:</u> Remove this measure from the matrix.</p> <p>Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.</p>			

Measure 1-1.4 – Biodiversity Reserves Effectiveness	<u>Existing Measure Statement:</u> <i>Hectares of unauthorized forestry related harvesting or road construction within protected areas or established old growth management areas.</i>	Target: 0 ha	Variance: 0%
<u>LSC Comments:</u> This measure needs to be changed to reflect blocks and roads harvested relative to legally established old growth management areas, protected areas, and ecological reserves.			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested that are not within legally established protected areas, ecological reserves, or OGMAs. Target: 100%, Variance: 0%.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 1-3.7 – Mugaha Marsh	<u>Existing Measure Statement:</u> <i>Report out on the annual results from the Mugaha Marsh bird banding station.</i>	Target: report out on	Variance: N/A
<u>LSC Comments:</u> The information contained in the annual report for the Mugaha Marsh is important to track but does not meet the specifically relevant to forest operations.			
<u>LSC Recommendations:</u> Remove this measure from the matrix. The report can be made available to the PAG on an annual basis.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting. Specify in the Species indicator write up that the Mugaha Marsh report will be reviewed annually as a monitoring tool for potential decline of locally important birds.			

Measure 2-2.3 – Access management communication	<u>Existing Measure Statement:</u> <i>Inclusion of access management in communication strategies with stakeholders.</i>	Target: 100%	Variance: 0%
<u>LSC Comments:</u> The intent of this measure is to have a vehicle to communicate to stakeholders activities around access management. Strategies do not need to be developed to communicate deactivation.			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of off- block road deactivation projects that are communicated with applicable First Nations and Stakeholders. Target: 100%, Variance: -10%.			
Off-block road deactivations include bridge or major culvert removals, and where 2 WD drive access is restricted as a result of road permit deactivation projects.			

Stakeholders include 3rd parties that may have a vested interest in using a particular road that is planned for deactivation, ie., trappers, guide outfitters, and woodlot owners. Applicable applies to where the stakeholder area of interest overlaps with the planned activity only.

Notification of the general public is also important. The LSC will add into the write up of the indicator a commitment to advertise in the local newspaper, at least annually, all planned deactivations that pertain to this indicator.

Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.

Measure 2-5.1 – Accidental Fires	<u>Existing Measure Statement:</u> <i>The number of hectares damaged by accidental forestry related industrial fires</i>	Target: <100 ha.	Variance: +5 ha.
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure. Accidental fires happen. There is no advantage for the LSC to start a fire purposefully – it does not meet environmental or economic components of SFM.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 2-5.2 and 4-6.1– Risk Factor Management	<u>Existing Measure Statement:</u> <i>Percentage of identified risk factors with updated management strategies.</i>	Target: 100%	Variance: 0%
Measure 4-6.2 – Forest Stand Damaging Agents	<u>Existing Measure Statement:</u> <i>Areas with stand damaging agents will be prioritized for treatment.</i>	Target: 100%	Variance: -10%
<u>LSC Comments:</u> In the Ministry of forests annual Forest Health Strategy and Tactical Plan, only the ranked risk factors (13) are identified as a priority for management. The remainder are classed as not ranked, or considered a lower priority at this time. The intention of measure 4-6.2 was to ensure that the licensees and BCTS are targeting stands for harvest that are considered a high risk to stand damaging agents.			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of area (ha.) harvested that are damaged or considered to be a high risk to stand damaging agents. Target: 100%, Variance: -20%.			
The most current and available Ministry of forests annual forest Health report can be used to specify which stand damaging agents are the most important to target.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 4-1.2– Waste and Residue	<u>Existing Measure Statement:</u> <i>Percent compliance with waste and residue standards.</i>	Target: 100%	Variance: -5%
<u>LSC Comments:</u> the wording of this indicator needs to be cleaned up, and made to reflect the population of sampled blocks and roads.			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested where estimated waste and residue is below allowable levels. Target: 100%, Variance: -5%.			
Allowable levels tend to change from time to time. Currently the allowable levels are benchmarks set for removal of beetle infested wood. When the coarse woody debris legislation is finalized and then passed, the allowable levels will be redefined.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 4-2.2 and 6-1.4 – First Order Wood Products	<u>Existing Measure Statement:</u> <i>The number of first order wood products from trees harvested from the DFA</i>	Target: 5	Variance: -2
<u>LSC Comments:</u> The information supporting first order wood products might be better suited under section 3.1 of the plan. This type of information does not change much from year to year because the products from Canfor’s mill do not change very often. If they change over time then this section of the plan can be updated as necessary.			
<u>LSC Recommendations:</u> Keep this indicator and drop measure 4-5.2 from the plan (duplication).			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 4-2.3– local investment	<u>Existing Measure Statement:</u> <i>The percent of money spent on forest operations and management on the DFA provided from the north central interior suppliers (not including stumpage)</i>	Target: Report out on	Variance: N/A
Measure 4-2.4– Support for public initiatives	<u>Existing Measure Statement:</u> <i>The number of support opportunities provided to the public (stakeholders, residents, and interested parties).</i>	Target: Report out on	Variance: N/A
Measure 6-1.3– business opportunities	<u>Existing Measure Statement:</u> <i>The number of opportunities given to businesses within or immediately adjacent to the TSA to provide non-tendered services to forest management activities.</i>	Target: Report out on	Variance: N/A

Measure 6-1.5– support opportunities	<u>Existing Measure Statement:</u> <i>The number of support opportunities provided within or immediately adjacent to the TSA</i>	Target: Report out on	Variance: N/A
<u>LSC Comments:</u> These 4 measures can easily be combined into 1 meaningful indicator that is measurable.			
<u>LSC Recommendations:</u> Combine these measures into 1 indicator: The percent of money spent on forest operations and management in the DFA provided from local area suppliers (not including stumpage) Target = ??%, Variance = -??%			
<p>Changes to the measure discussed with the PAG at the June 24th, 2009 meeting. This resulting indicator statement will reflect the total amount of investment in the local area which will include Mackenzie, McLeod Lake, Germanson Landing, Manson Creek, Tsay Keh Dene, and Fort Ware. The LSC will take a look at historic numbers related to the re-defined local area and propose realistic targets and variances to the PAG at the next meeting. This indicator will pull from the LSC accounting systems all contract and non-contract spending within the local area, and compare it to the total spending relative to forest operations and management within the DFA. Some payments to local vendors are not invoiced within the definition of local area. Payments to these vendors benefit the community and will be tailed in the total calculation for money spent within the local area.</p>			

Measure 4-2.1 – Wood purchases	<u>Existing Measure Statement:</u> <i>Canfor to provide opportunities to purchase wood from private enterprises.</i>	Target: Opportunity exists	Variance: 0%
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure. There is always an opportunity for Canfor to purchase timber from private enterprise, but it is contingent on price and product.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 4-2.5 – Support for environmental projects	<u>Existing Measure Statement:</u> <i>Report out on the amount of money directed towards environmental projects.</i>	Target: Report out on	Variance: N/A
<u>LSC Comments:</u> The LSC has been and will continue to update PAG from time to time with the status of ongoing and planned FIA projects.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 4-3.1 – Taxes	<u>Existing Measure Statement:</u> <i>Municipal taxes paid to governments.</i>	Target: 100%	Variance: 0%
------------------------------	--	--------------	--------------

Measure 4-3.2 – Stumpage	<u>Existing Measure Statement:</u> <i>Stumpage paid to governments.</i>	Target: 100%	Variance: 0%
<u>LSC Comments:</u> The LSC is not sure of the relevance of these 2 measures since taxes, including stumpage, have to be paid. If they are not, there are other mechanisms that are used to penalize the licensees.			
<u>LSC Recommendations:</u> Remove both of these measures from the plan.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 4-4.1 – Support to First Nations	<u>Existing Measure Statement:</u> <i>The number of support opportunities provided to First Nations with treaty area and/or asserted traditional territory within the DFA.</i>	Target: Report out on	Variance: N/A
Measure 4-4.2 – Contract opportunities to first nations	<u>Existing Measure Statement:</u> <i>The number of contract opportunities provided to First Nations with treaty area and/or asserted traditional territory within the DFA.</i>	Target: Report out on	Variance: N/A
Measure 4-4.3 – Value of transactions to first nations	<u>Existing Measure Statement:</u> <i>The total value of transactions with First Nations with treaty area and/or asserted traditional territory within the DFA.</i>	Target: Report out on	Variance: N/A
<u>LSC Comments:</u> For measure 4-4.1, the LSC has not been able to demonstrate support opportunities directly to first nations. Support opportunities to the community are covered off in other measures. Measure 4-4.2 and 4-4.3 can be easily combined into 1 indicator to cover this off.			
<u>LSC Recommendations:</u> Combine these measures into 1 indicator: The number of contract opportunities with first nations within the DFA. Target = >5, Variance = -2			
The premise of this indicator that contract opportunities are no guarantee of awarding a contract to First nations. The First Nations contractor must meet the minimum requirements for each contract opportunity; offer a comparable product, at a competitive rate.			

Measure 4-5.1 – Competitive Sale of timber	<u>Existing Measure Statement:</u> <i>the percentage of DFA volume advertised for sale through open competitive bid.</i>	Target: 40%	Variance: -5%
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure since it is BCTS's mandate to offer timber for sale.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			

Measure 4-5.2 – Primary Milling Facility	<u>Existing Measure Statement:</u> <i>A competitive primary milling facility is sustained</i>	Target: >2	Variance: 0
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			
Changes to the measure endorsed by the PAG at the June 24th, 2009 meeting.			

Measure 5-1.1 – non-timber benefits	<u>Existing Measure Statement:</u> <i>List of existing and documented potential for marketed non-timber benefits.</i>	Target: Report out on	Variance: N/A
Measure 5-1.2 – SFM implications of non-timber values	<u>Existing Measure Statement:</u> <i>Description of potential implications of SFM practices on the amount and quality of marketed non-timber values.</i>	Target: Report out on	Variance: N/A
<u>LSC Comments:</u> Presentation of a preliminary list of potential non-timber benefits and the potential impacts of forest management activities will be presented to PAG at the fall 2008 meeting. Description of SFM implications requires that a list of marketed non-timber benefits be developed. As per Measure 5-1.1, a description of implications is to be developed on or before June 30, 2007. Now that it is in place, this measure will no longer be needed and will be removed from the SFMP.			
<u>LSC Recommendations:</u> Drop these 2 measures from the plan.			

Measure 6-1.1 – employment	<u>Existing Measure Statement:</u> <i>Employment supported by each sector of the local economy.</i>	Target: Report out on	Variance: N/A
Measure 6-1.2 – income	<u>Existing Measure Statement:</u> <i>Contribution of income sources from each sector of the local economy.</i>	Target: Report out on	Variance: N/A
<u>LSC Comments:</u> The data set for these 2 measures comes from other sources – stats can reports. LSC would like to move the detail of these tables to section 3.2.1 of the plan under “communities and social economic description”. This information is not updated on an annual basis and is better suited in the text of the plan rather than as a measure.			
<u>LSC Recommendations:</u> Drop these 2 measures from the plan.			

Measure 7-1.2 –SFMP Review	<u>Existing Measure Statement:</u> <i>The number of opportunities for the PAG to review and provide comment on the SFMP.</i>	Target: at least annually	Variance: none
Measure 7-1.3 – Meetings PAG	<u>Existing Measure Statement:</u> <i>Number of PAG meetings per year</i>	Target: at least 1 annually	Variance: none
Measure 7-1.5 – TOR Review	<u>Existing Measure Statement:</u> <i>Maintain and review at least annually and as required the Mackenzie SFMP PAG TOR to ensure a credible and transparent process.</i>	Target: at least annually	Variance: none
<u>LSC Comments:</u> The requirement to meet these 3 requirements are covered off in the PAG TOR as well in the core requirements for the SFMP. The auditors will look at the number of meetings we have each year, the TOR review, as well as PAG review of the SFMP.			
<u>LSC Recommendations:</u> Drop these 3 measures from the plan.			

Measure 7-1.4 – Satisfaction PAG	<u>Existing Measure Statement:</u> <i>The level of satisfaction of the PAG members with the process.</i>	Target: 100%	Variance: -20%
Measure 7-1.8 – Communication PAG	<u>Existing Measure Statement:</u> <i>Percent of PAG satisfaction with the amount and timing of information presented for informed decision making.</i>	Target: 100%	Variance: -20%
<u>LSC Comments:</u> These 2 measures should be combined into 1 to report out on the total satisfaction of the PAG with the process. This indicator should reflect all aspects of the PAG meeting satisfaction survey.			
<u>LSC Recommendations:</u> Combine these measures into 1 indicator: __Average overall percent of the PAG’s satisfaction with PAG meeting process. Target = 100%, Variance = -20%			

Measure 7-1.1 – List of affected parties	<u>Existing Measure Statement:</u> <i>Implement and update a comprehensive list of stakeholders and affected third parties.</i>	Target: annually	Variance: none
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure. BCTS and Canfor maintain separate stakeholder lists that are updated on a regular basis based on government lists of stakeholders, returned mail from referrals, and communications with third parties.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			

--

Measure 7-1.9 – SFMP consistency with the LRMP	<u>Existing Measure Statement:</u> <i>Report out on the consistency of indicators or measures with LRMP objectives.</i>	Target: Report out on	Variance: N/A
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure. The comparison spreadsheet was completed at the start of the plan and then reviewed again recently.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			

Measure 7-1.6 – Satisfaction (affected parties)	<u>Existing Measure Statement:</u> <i>Survey residents, stakeholders, and first Nations regarding their satisfaction with forest management</i>	Target: at least every 3 years	Variance: none
Measure 7-2.1 – Concerns (affected parties)	<u>Existing Measure Statement:</u> <i>the number of opportunities given the public and stakeholders to express forestry related concerns and be involved in our planning process.</i>	Target: 6	Variance: -2
Measure 7-2.3 – response to concerns	<u>Existing Measure Statement:</u> <i>The percent of timely responses to written and documented concerns.</i>	Target: 100%	Variance: <5%
Measure 7-2.6 – communication strategy effectiveness	<u>Existing Measure Statement:</u> <i>Percentage of mutually agreed to communication strategies met.</i>	Target: 100%	Variance: <5%
<u>LSC Comments:</u> There is overlap in all 4 of these indicators. The measures speak to the number of communications and concerns raised during referrals to stakeholders. Measure 7-1.6 spells out the requirement for an all encompassing survey which is intended to be reflective of SFM, but the responses will likely be more centered on the satisfaction with the forest industry.			
<u>LSC Recommendations:</u> The LSC propose to combine these measures into 2 core indicators: The number of opportunities for stakeholders to provide meaningful input into forest planning. Target = 6, Variance = -2 This indicator will summarize the number of opportunities for stakeholders to provide input into Forest planning; including, referral of operational plans, open houses, trade shows, meetings, referral of PMPs, etc. Each opportunity will count as 1 towards the target. Stakeholders include Trappers, Guides, water licence holders, woodlot owners, range tenure holders, private land owners, other licensees, and other government agencies. Only stakeholders that have overlapping tenure with the applicable activity will be communicated with.			

The percentage of operational concerns raised by stakeholders that are considered and incorporated into operational plans. Target = 100%, Variance = -10%

This indicator will compare the number of operational concerns that have been acted on relative to the total number of operational concerns raised.

Measure 7-2.5 – SFMP training	<u>Existing Measure Statement:</u> <i>The number of SFM educational opportunities and interactions provided</i>	Target: 2 annually	Variance: 0
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			

Measure 7-3.1 – adaptive management	<u>Existing Measure Statement:</u> <i>Adaptive management strategy is developed, documented, acted on, and reviewed.</i>	Target: at least 1 annually	Variance: 0
Measure 7-3.2 – monitoring plan	<u>Existing Measure Statement:</u> <i>monitoring plan is developed, documented, acted on, and reviewed.</i>	Target: at least 1 annually	Variance: 0
Measure 7-3.3 – annual report	<u>Existing Measure Statement:</u> <i>reports and analysis of monitoring information – annual report.</i>	Target: at least 1 annually	Variance: 0
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure, since a commitment to adaptive management and the monitoring plan exists in section 8 of the plan, as well as a commitment to the annual report is a requirement of the standard.			
<u>LSC Recommendations:</u> Remove these measures from the plan.			

Measure 8-1.2 – TOR review (First Nations rights)	<u>Existing Measure Statement:</u> <i>Maintain and review at least annually and as required the Mackenzie SFMP PAG TOR to recognize that First Nations participation in the public process will not prejudice First Nations rights and treaty rights.</i>	Target: at least 1 annually	Variance: 0
Measure 8-2.1 – Participation (First Nations)	<u>Existing Measure Statement:</u> <i>The number of opportunities for First Nations to provide meaningful input into our planning process.</i>	Target: \geq 2 per FN	Variance: 0

Measure 8-3.1 – Concerns (First Nation)	<u>Existing Measure Statement:</u> <i>Percentage of issues raised by First Nations peoples evaluated and responded to in a timely manner.</i>	Target: 100%	Variance: -10%
Measure 8-3.2 – Participation effectiveness (First Nations)	<u>Existing Measure Statement:</u> <i>Percentage of issues raised by First Nations Chief and Council or their authorized representative developed into mutually agreed upon strategies</i>	Target: 100%	Variance: -50%
Measure 8-4.1 – Participation effectiveness (First Nations)	<u>Existing Measure Statement:</u> <i>Incorporation of mutually agreed upon strategies to address First Nations peoples values, knowledge, and uses into SFMP, operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: -50%
Measure 8-4.2 – Implementation effectiveness (First Nations)	<u>Existing Measure Statement:</u> <i>Percentage of forest operations consistent with mutually agreed upon strategies developed with First Nations</i>	Target: 100%	Variance: 0%

LSC Comments: There is overlap in all 6 of these indicators.

Measure 8-1.2 is built into the Terms of Reference and is a requirement of the standard. The measure is redundant. The remaining measures speak to the number of communications and concerns raised during referrals or consultation.

LSC Recommendations: The LSC propose to combine these measures into 2 core indicators:

The number of opportunities for First Nations to provide meaningful input into forest planning. Target = \geq 2 per FN, Variance = 0%

This indicator will summarize the number of opportunities for First Nations to actively participate in Forest planning; including, referral of operational plans, open houses at band offices, trade shows, formal meetings, PMPs, etc.

The percentage of operational concerns raised by First Nations that are considered and incorporated into operational plans. Target = 100%, Variance = -10%

This indicator will compare the number of operational concerns that have been acted on relative to the total number of first nations operational concerns raised.

Measure 9-1.1 – recreation	<u>Existing Measure Statement:</u> <i>The percentage of harvest operations with results and strategies for recreation values as identified in operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: 0
-----------------------------------	---	--------------	-------------

LSC Comments: Recreation features and the management of them are included in measure 9-3.1 – resource features.

LSC Recommendations: Remove this measure from the plan.

Measure 9-2.2 – green up buffers	<u>Existing Measure Statement:</u> <i>the percentage of harvest operations with visually effective green-up buffer along roads identified in the Mackenzie LRMP</i>	Target: 100%	Variance: 0
---	---	--------------	-------------

LSC Comments: The LSC is not sure of the relevance of this measure, given the mountain pine beetle epidemic and the predominance of pine leading stands along these road systems.

LSC Recommendations: Remove this measure from the plan.

Measure 9-3.1– Resource Features	<u>Existing Measure Statement:</u> <i>Percent of identified and/or significant places and features of social, cultural, or spiritual importance that are managed or protected.</i>	Target: 100%	Variance: 0%
---	--	--------------	--------------

LSC Comments: **resource features** as per regulation are Karst, a range development, Crown land used for research, Permanent sample sites, A cultural heritage resource, An interpretive forest site or trail, A recreational site or trail, or A recreational feature.

LSC Recommendations: change this measure to this indicator: **Percentage of blocks and roads harvested that are managed or protected for identified resource features. Target: 100%, Variance: -10%.**

This indicator will report out the total number of blocks and roads harvested, the number of those that have applicable resource features, and the number of those that are managed or protected.

Measure 9-5.1 – signage	<u>Existing Measure Statement:</u> <i>Signage on FSRs and main haul roads to be kept current</i>	Target: 100%	Variance: -5%
--------------------------------	--	--------------	---------------

LSC Comments: This indicator needs to be re-worded to reflect the requirement for appropriate safety signs where there are current operational activities.

LSC Recommendations: change this measure to this indicator: **The percentage of operational activities that have the appropriate safety signage in place during the activity. Target = 100%, Variance = -20%.**

Operational activities include harvesting, road building, road side brushing, hand falling, etc. The level of appropriate safety related signage is designated in LSC safety company policies.

Mackenzie SFMP Summary of Proposed Changes to Measures

May 26th, 2009

General changes to the Plan	
Layout of the plan	Remove all the duplicate measure statements that currently exist within the plan. Change the layout to having CSA elements listed under each indicator statement in the Plan.
Function of the plan	Change the overall look and appearance of the plan to follow the CSA standard (VOIT) rather than use the old Slokan format (measures)

Measure 1-1.1 – Old forest	<u>Existing Measure Statement:</u> <i>Percent area of old and mature+old seral stage by landscape unit group and BEC variant for CFLB within the DFA.</i>	Target: As per the Mackenzie TSA biodiversity order	Variance: 0%
<u>LSC Comments:</u> This measure needs to be changed to reflect blocks and roads harvested relative to the old growth requirement for the applicable landscape unit group			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested that meet the prescribed old growth targets. Target: 100%, Variance: 0%.			
The write up for the indicator will have to be changed to reflect the new legal Mackenzie TSA biodiversity order. The old will be reported by landscape unit group and then by BEC group. The intent is to only report out for landscape unit groups that have harvesting or road building activities completed during the particular reporting period.			

Measure 1-1.2 – Old interior forest	<u>Existing Measure Statement:</u> <i>Percent area of old interior by landscape unit group and BEC variant for CFLB within the DFA.</i>	Target: As per the Mackenzie TSA biodiversity order	Variance: 0%
<u>LSC Comments:</u> This measure needs to be changed to reflect blocks and roads harvested relative to the old growth requirement for the applicable landscape unit group			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested that meet the prescribed interior old targets. Target: 100%, Variance: 0%.			
The write up for the indicator will have to be changed to reflect the new legal Mackenzie TSA biodiversity order. The interior old will be reported by landscape unit group and then by BEC group. The intent is to only report out for landscape unit groups that have harvesting or road building activities completed during the particular reporting period.			

Measure 1-1.5 – Productive Forest Representation	<u>Existing Measure Statement:</u> <i>Percent productive forest by BEC variant represented within the non-harvestable land base.</i>	Target: TBA	Variance: ?
<u>LSC Comments:</u> Targets need to be set for this indicator.			
<u>LSC Recommendations:</u> Preliminary targets are included in the 2008-09 Annual Report. These targets will be further reviewed and discussed with the PAG during a meeting in the 2009-10 fiscal year.			

Measure 1-2.1 – patch size	<u>Existing Measure Statement:</u> <i>Percent area by patch size class by landscape unit group and NDT.</i>	Target: Trend towards targets in the LRMP	Variance: N/A
<u>LSC Comments:</u> This measure needs to be changed to reflect blocks and roads harvested relative to the patch size requirement for the applicable landscape unit group and NDT			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested that meet the prescribed patch size target ranges or are trending towards the target range. Target: 100%, Variance: -30%.			
Targets will be based on target ranges from the biodiversity guidebook. Patch will be reported by landscape unit group and NDT. The intent is to only report out for landscape unit groups that have harvesting or road building activities completed during the particular reporting period.			

Measure 1-2.9 – Peak Flow Index	<u>Existing Measure Statement:</u> <i>Percent of watersheds containing approved or proposed development with Peak flow Index calculations completed.</i>	Target: 100%	Variance: ?
<u>LSC Comments:</u> Now that all the applicable watersheds have PFI values generated, the threshold targets need to be set for each watershed.			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks and roads harvested that are below threshold targets by watershed, or adhere to the recommendations contained in a detailed watershed assessment. Target: 100%, Variance: 0%.			
The detailed watershed assessment is completed when planned harvest exceeds the prescribed threshold targets for a watershed. These assessments must be completed by a qualified person such as a hydrologist.			

Measure 1-2.6 – Caribou Ungulate Range Effectiveness	<u>Existing Measure Statement:</u> <i>Percent of forest operations consistent with approved provincial Caribou Ungulate Winter Range requirements.</i>	Target: 100%	Variance: 0%
Measure 1-3.1 –	<u>Existing Measure Statement:</u> <i>Percent of forest operations consistent</i>	Target: 100%	Variance: 0%

Caribou Ungulate Range Effectiveness	<i>with approved provincial Caribou Ungulate Winter Range requirements.</i>		
Measure 1-3.2– Species At risk Identification	<u>Existing Measure Statement:</u> <i>Percentage of appropriate personnel trained to identify species at risk in the DFA</i>	Target: 100%	Variance: <10%
Measure 1-3.3 – Species at risk management	<u>Existing Measure Statement:</u> <i>Percent of species at risk in the DFA that have management strategies developed by April 2007.</i>	Target: 100%	Variance: 0%
Measure 1-3.4 – LRMP Wildlife Management	<u>Existing Measure Statement:</u> <i>Percent LRMP Resource Management Zone (RMZ) specific wildlife strategies with management strategies by April 2007.</i>	Target: 100%	Variance: 0%
Measure 1-3.5 – Species at Risk management strategies	<u>Existing Measure Statement:</u> <i>Percentage of forest operations consistent with species at risk in the DFA management strategies as identified in operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: <5%
Measure 1-3.6 – LRMP wildlife management effectiveness	<u>Existing Measure Statement:</u> <i>Percentage of forest operations consistent with LRMP resource management zone (RMZ) specific management strategies as identified in operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: <5%
<p><u>LSC Comments:</u> Of the 14 species identified in the LRMP, 11 have existing management strategies in place. Arctic Grayling and Bull Trout are within our Species-At-Risk management strategies. Elk, Stone Sheep, and Mountain Goat are covered off within Ungulate Winter Range management strategies. Eagles, Northern Goshawks, Osprey, and Peregrine Falcon nests are all protected under the Wildlife Act and there are appropriate management strategies in place for them. Management for Rainbow and Lake Trout are covered off by strategies contained with Forest Stewardship Plans for both Canfor and BCTS. This leaves Marten, Moose, and Trumpeter Swan without management strategies. Canfor moving forward will be consolidating and coordinating the entire Wildlife Management program into one indicator / measure consisting of training, identification, management strategies and implementation. A measure focussing on the result rather than the process will be more meaningful. Canfor Operations across the Western Canada are moving down the path of a Biodiversity Centric - Species Accounting system. This Species Accounting System will take a plenitude of existing wildlife data and provide for grouping species according to habitat and management requirements. Application of the species accounting system, particularly when applied with coarse filter analysis would indicate what species merit special attention. It is much more important to gain an understanding of the forest dependant species that will be most impacted by forest activities vs. developing site specific strategies for each and every species across the landbase. This approach will lend itself well to the priorities we place on wildlife project funding, research and development. This project and direction is deemed to be an improvement to the current wildlife management regime as well as ensuring resource managers are focusing on the most impacted species first.</p>			
<p><u>LSC Recommendations:</u> combine the 7 measures into the following indicator statement: Percentage of blocks and roads harvested that adhere to management strategies for Species At Risk, Ungulate Winter Range, and other local species of importance. Target: 100%, Variance: -10%.</p>			

The write up for the indicator will reference a table listing all the species that fall under SAR, UWR, or other species local to the DFA that are deemed valuable. A commitment for training of staff will also be built into the indicator write up in the plan.

Measure 1-4.3 – Sites of Biological Significance ID	<u>Existing Measure Statement:</u> <i>Percentage of appropriate personnel trained to identify sites of biological significance in the DFA.</i>	Target: 100%	Variance: -10%
Measure 1-4.4 – Sites of Biological Significance management	<u>Existing Measure Statement:</u> <i>Percent of sites of biological significance that have management strategies developed by April 2007</i>	Target: 100%	Variance: 0%
Measure 1-4.5– Sites of Biological Significance effectiveness	<u>Existing Measure Statement:</u> <i>Percentage of forest operations consistent with sites of biological significance management strategies as identified in operational plans, tactical plans, and/or site plans.</i>	Target: 100%	Variance: <5%

LSC Comments: **Sites of biological significance** include the following: nests, snags, large overstory trees, coarse woody debris, witches broom, mineral licks, rock outcrops, denning sites, and avalanche shoots.

LSC Recommendations: combine the 3 measures into the following indicator statement: **Percentage of blocks and roads harvested that adhere to management strategies for sites of biological significance. Target: 100%, Variance: -10%.**

The write up for the indicator will reference a table listing all the sites of biological significance applicable to the DFA. A commitment for training of staff will also be built into the indicator write up in the plan.

Measure 1-3.7 – Mugaha Marsh	<u>Existing Measure Statement:</u> <i>Report out on the annual results from the Mugaha Marsh bird banding station.</i>	Target: report out on	Variance: N/A
-------------------------------------	--	-----------------------	---------------

LSC Comments: The information contained in the annual report for the Mugaha Marsh is important to track but does not meet the specifically relevant to forest operations.

LSC Recommendations: Remove this measure from the matrix. The report can be made available to the PAG on an annual basis.

Measure 2-2.3 – Access management	<u>Existing Measure Statement:</u> <i>Inclusion of access management in communication strategies with stakeholders.</i>	Target: 100%	Variance: 0%
--	---	--------------	--------------

communication			
<u>LSC Comments:</u> The intent of this measure is to have a vehicle to communicate to stakeholders activities around access management. Strategies do not need to be developed to communicate deactivation.			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of off- block road deactivation projects that are communicated with applicable First Nations and Stakeholders. Target: 100%, Variance: -10%.			
Off-block road deactivations include bridge or major culvert removals, and where 2 WD drive access is restricted as a result of road permit deactivation projects.			
Stakeholders include 3 rd parties that may have a vested interest in using a particular road that is planned for deactivation, ie., trappers and guide outfitters. Applicable applies to where the stakeholder area of interest overlaps with the planned activity only.			

Measure 2-5.1 – Accidental Fires	<u>Existing Measure Statement:</u> <i>The number of hectares damaged by accidental forestry related industrial fires</i>	Target: <100 ha.	Variance: +5 ha.
<u>LSC Comments:</u> The LSC is not sure of the relevance of this measure. Accidental fires happen. There is no advantage for the LSC to start a fire purposefully – it does not meet environmental or economic components of SFM.			
<u>LSC Recommendations:</u> Remove this measure from the plan.			

Measure 2-5.2 and 4-6.1– Risk Factor Management	<u>Existing Measure Statement:</u> <i>Percentage of identified risk factors with updated management strategies.</i>	Target: 100%	Variance: 0%
Measure 4-6.2 – Forest Stand Damaging Agents	<u>Existing Measure Statement:</u> <i>Areas with stand damaging agents will be prioritized for treatment.</i>	Target: 100%	Variance: -10%
<u>LSC Comments:</u> In the Ministry of forests annual Forest Health Strategy and Tactical Plan, only the ranked risk factors (13) are identified as a priority for management. The remainder are classed as not ranked, or considered a lower priority at this time. The intention of measure 4-6.2 was to ensure that the licensees and BCTS are targeting stands for harvest that are considered a high risk to stand damaging agents.			
<u>LSC Recommendations:</u> change this measure into the following indicator statement: Percentage of blocks harvested that coincide with areas considered to be a high risk to stand damaging agents. Target: 100%, Variance: -20%.			
The most current and available Ministry of forests annual forest Health report can be used to specify which stand damaging agents are the most important to target.			

Mackenzie

Sustainable Forest Management Plan



Mackenzie SFMP



2008/09 Annual Report



TABLE OF CONTENTS

1.0 Introduction	1
1.1 List of Acronyms.....	1
1.2 Executive Summary	2
1.3 SFM Performance Reporting.....	4
2.0 SFM Indicators, Measures, Targets and Variances	5
Indicator 1-1 Measure 1-1.1 Old forest	5
Indicator 1-1 Measure 1-1.2 Interior Forest	5
Indicator 1-1 Measure 1-1.3 Biodiversity Reserves	5
Indicator 1-1 Measure 1-1.4 Biodiversity Reserve Effectiveness	6
Indicator 1-1 Measure 1-1.5 Productive Forest Representation	6
Indicator 1-2 Measure 1-2.1 Patch Size	7
Indicator 1-2 Measure 1-2.2 Coarse Woody Debris Levels	7
Indicator 1-2 Measure 1-2.3 Wildlife Tree Patch Requirements.....	8
Indicator 1-2 Measure 1-2.4 Riparian Management Area Effectiveness.....	8
Indicator 1-2 Measure 1-2.6 Caribou Ungulate Winter Range Effectiveness	8
Indicator 1-2 Measure 1-2.7 Sedimentation	9
Indicator 1-2 Measure 1-2.8 Stream Crossings	9
Indicator 1-2 Measure 1-2.9 Peak Flow Index	9
Indicator 1-2 Measure 1-2.10 Road Re-vegetation.....	10
Indicator 1-2 Measure 1-2.12 Road Environmental Risk Assessment.....	10
Indicator 1-3 Measure 1-3.1 Caribou Ungulate Winter Range.....	11
Indicator 1-3 Measure 1-3.2 Species at Risk Identification	11
Indicator 1-3 Measure 1-3.3 Species at Risk Management	11
Indicator 1-3 Measure 1-3.4 LRMP Wildlife Management	12
Indicator 1-3 Measure 1-3.5 Species at Risk Management Effectiveness.....	13
Indicator 1-3 Measure 1-3.6 LRMP Wildlife Management Effectiveness.....	13
Indicator 1-3 Measure 1-3.7 Mugaha Marsh Report	13
Indicator 1-4 Measure 1-4.1 Biodiversity Reserves	17
Indicator 1-4 Measure 1-4.2 Biodiversity Reserves Effectiveness.....	17
Indicator 1-4 Measure 1-4.3 Sites of Biological Significance identification.....	17
Indicator 1-4 Measure 1-4.4 Sites of Biological Significance Management.....	18
Indicator 1-4 Measure 1-4.5 Sites of Biological Significance Effectiveness	18
Indicator 2-1 Measure 2-1.1 Coarse Woody Debris.....	19
Indicator 2-1 Measure 2-1.2 Soil Conservation Effectiveness	19
Indicator 2-1 Measure 2-1.3 Terrain Management Effectiveness	19
Indicator 2-1 Measure 2-1.4 Reportable Spills.....	20
Indicator 2-1 Measure 2-1.5 Site Index.....	20
Indicator 2-2 Measure 2-2.1 Site conversion	22
Indicator 2-2 Measure 2-2.2 Permanent Access Structures.....	22
Indicator 2-2 Measure 2-2.3 Access Management Communication.....	22
Indicator 2-3 Measure 2-3.1 Regeneration Delay	23
Indicator 2-3 Measure 2-3.2 Free Growing.....	23
Indicator 2-3 Measure 2-3.3 Stocking and Species Composition.....	24
Indicator 2-4 Measure 2-4.1 Terrain Management Effectiveness	24
Indicator 2-5 Measure 2-5.1 Accidental Fires	24
Indicator 2-5 Measure 2-5.2 Risk Factor Management.....	25
Indicator 3-1 Measure 3-1.1 Site conversion	25
Indicator 3-1 Measure 3-1.2 Coarse Woody Debris.....	25
Indicator 3-1 Measure 3-1.3 Regeneration Delay	25
Indicator 3-1 Measure 3-1.4 Free Growing.....	25
Indicator 3-1 Measure 3-1.5 Stocking and Species Composition.....	26
Indicator 3-1 Measure 3-1.1 Site conversion	26
Indicator 3-1 Measure 3-1.6 Soil Conservation Effectiveness	26
Indicator 3-2 Measure 3-2.1 Site conversion	26
Indicator 3-2 Measure 3-2.2 Stocking and Species Composition.....	26
Indicator 3-2 Measure 3-2.3 Regeneration Delay	26

Indicator 3-2 Measure 3-2.4	Free Growing	26
Indicator 4-1 Measure 4-1.1	Harvest volumes	26
Indicator 4-1 Measure 4-1.2	Waste and Residue.....	27
Indicator 4-2 Measure 4-2.1	Wood Purchases	27
Indicator 4-2 Measure 4-2.2	First-Order Wood Products.....	27
Indicator 4-2 Measure 4-2.3	Local Investment	28
Indicator 4-2 Measure 4-2.4	Support of Public Initiatives	29
Indicator 4-2 Measure 4-2.5	Support of Environmental Projects.....	29
Indicator 4-3 Measure 4-3.1	Taxes.....	29
Indicator 4-3 Measure 4-3.2	Stumpage	30
Indicator 4-4 Measure 4-4.1	Support to First Nations.....	30
Indicator 4-4 Measure 4-4.2	Contract Opportunities to First Nations.....	31
Indicator 4-4 Measure 4-4.3	Value of Transactions to First Nations	31
Indicator 4-5 Measure 4-5.1	Competitive Sale of Timber.....	32
Indicator 4-5 Measure 4-5.2	Primary Milling Facilities	32
Indicator 4-6 Measure 4-6.1	Risk Factor Management.....	33
Indicator 4-6 Measure 4-6.2	Forest Stand Damaging Agents	33
Indicator 4-6 Measure 4-6.3	Accidental Fires	34
Indicator 5-1 Measure 5-1.1	Non-timber Benefits	34
Indicator 5-1 Measure 5-1.2	SFM Implications of Non-timber values	34
Indicator 5-1 Measure 5-1.3	Range Management Effectiveness.....	35
Indicator 6-1 Measure 6-1.1	Employment.....	35
Indicator 6-1 Measure 6-1.2	Income	36
Indicator 6-1 Measure 6-1.3	Business Opportunities	36
Indicator 6-1 Measure 6-1.4	First-Order Wood Products.....	37
Indicator 6-1 Measure 6-1.5	Support Opportunities.....	37
Indicator 7-1 Measure 7-1.1	List of Affected Parties	37
Indicator 7-1 Measure 7-1.2	SFMP Review (PAG)	38
Indicator 7-1 Measure 7-1.3	Meetings (PAG).....	38
Indicator 7-1 Measure 7-1.4	Satisfaction (PAG).....	38
Indicator 7-1 Measure 7-1.5	TOR Review (PAG)	39
Indicator 7-1 Measure 7-1.6	Satisfaction (Affected Parties).....	39
Indicator 7-1 Measure 7-1.7	Representation (PAG).....	40
Indicator 7-1 Measure 7-1.8	Communication (PAG).....	40
Indicator 7-1 Measure 7-1.9	SFMP consistency with LRMP.....	41
Indicator 7-2 Measure 7-2.1	Concerns (affected parties).....	41
Indicator 7-2 Measure 7-2.3	Response to Concerns.....	42
Indicator 7-2 Measure 7-2.4	SFMP availability (affected parties).....	42
Indicator 7-2 Measure 7-2.5	SFMP training (affected parties).....	43
Indicator 7-2 Measure 7-2.6	Communication Strategy Effectiveness.....	43
Indicator 7-3 Measure 7-3.1	Adaptive Management.....	44
Indicator 7-3 Measure 7-3.2	Monitoring Plan.....	44
Indicator 7-3 Measure 7-3.3	Annual Report.....	45
Indicator 8-1 Measure 8-1.1	Heritage Conservation	45
Indicator 8-1 Measure 8-1.2	TOR Review (First Nations Rights)	46
Indicator 8-2 Measure 8-2.1	Participation (First Nations).....	46
Indicator 8-3 Measure 8-3.1	Concerns (First Nations).....	47
Indicator 8-3 Measure 8-3.2	Participation Effectiveness (First Nations)	47
Indicator 8-4 Measure 8-4.1	Participation Effectiveness (First Nations)	48
Indicator 8-4 Measure 8-4.2	Implementation Effectiveness (First Nations)	48
Indicator 9-1 Measure 9-1.1	Recreation	48
Indicator 9-2 Measure 9-2.1	Visual Quality.....	49
Indicator 9-2 Measure 9-2.2	Green-up buffers	49
Indicator 9-3 Measure 9-3.1	Resource Features.....	50
Indicator 9-4 Measure 9-4.1	Safety Policy.....	50
Indicator 9-4 Measure 9-4.2	Accidents	51
Indicator 9-5 Measure 9-5.1	Signage	51
Appendix 1		53

1.0 Introduction

This is the second Annual Report of the Mackenzie Sustainable Forest Management Plan. It covers the reporting period of April 1, 2008 to March 31, 2009. The Sustainable Forest Management Plan (SFMP) is a result of the combined efforts of Canfor and British Columbia Timber Sales (BCTS) to achieve and maintain Canadian Standards Association (CSA) certification to the CSA Z809-02 standard. The signatories to the plan are:

1. BC Timber Sales, Mackenzie Business Area – Mackenzie Operations
2. Canadian Forest Products Ltd., Mackenzie Operations

The CSA Standard provides SFM specifications that include public participation, performance, and system requirements that must be met to achieve certification. These specifications were the framework for the development of the Mackenzie SFMP. Canfor and BCTS have existing management systems that contribute to the overall SFM strategy. These may include existing management systems such as ISO 14001 Environmental Management Systems, standard operating procedures, and internal policies.

One of the public participation strategies suggested in the CSA SFM Standard is the formation of a local group of interested and affected members of the public to provide input on an ongoing basis. This strategy provides the base for the formation of a Public Advisory Group (PAG) whose purpose is to achieve CSA standard's public participation requirements. Canfor and BCTS established a PAG to assist with the development of the SFMP. A wide range of public sector interest groups from within the Mackenzie Forest District were invited to participate in the SFM process through the PAG. After completing the Terms of Reference in January 2006, the PAG established the SFMP Criteria and Elements Performance Matrix with the SFMP being completed in June of 2006. It is important to note, the Mackenzie 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 signatory's performance in meeting the measure targets outlined in the SFMP over the Mackenzie Defined Forest Area (DFA). The DFA is the Crown Forest land base within the Mackenzie Forest District and the traditional operating areas of Canfor and BCTS, 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 Mackenzie 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 measures, indicators, objectives or the management practices involved, the reader should refer to the Mackenzie Sustainable Forest Management Plan Document.

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 Mackenzie Sustainable Forest Management Plan.

AAC – Annual Allowable Cut
BCTS – BC Timber Sales
BEC – Biogeoclimatic Ecosystem Classification
BEO – Biodiversity Emphasis Option
BWBS – Black and White Boreal Spruce
CSA – Canadian Standards Association
CWD – Coarse Woody Debris
DFA – Defined Forest Area
ESSF – Engelman Spruce Sub-alpine Fir
FRPA – Forest and Range Practices Act
FSR – Forest Service Road
GIS – Geographic Information System
LOWG – Landscape Objective Working Group
LRMP – Land and Resource Management Plan
LU – Landscape Unit

MoFR – Ministry of Forest and Range
 NCI – North Central Interior
 NDT – Natural Disturbance Type
 NDU – Natural Disturbance Unit
 Non-Harvestable Land Base
 OGMA – Old Growth Management Area
 PAG – Public Advisory Group
 PFI – Peak Flow Index
 RMZ – Resource Management Zone (landscape-level planning)
 RMZ – Riparian Management Zone (riparian management)
 RRZ – Riparian Reserve Zone
 SAR – Species at Risk
 SBS – Sub-Boreal Spruce
 SFM – Sustainable Forest Management
 SFMP – Sustainable Forest Management Plan
 SWB – Spruce Willow Birch
 THLB – Timber Harvesting Land Base
 TOR – Terms of Reference
 TSA – Timber Supply Area
 VIA – Visual Impact Assessment
 VQO – Visual Quality Objective

1.2 Executive Summary

Of the **107** measures listed in Table 1, **93** measures were met within the prescribed variances, **1** measure is pending, and **13** measures were not met within the prescribed variances. A corrective and preventative action plan is contained in the measure discussions for each non-conformance measure.

Table 1: Summary of measure Status, April 1, 2008 to March 31, 2009.

No	Indicator Reference	Measure Number	Measure Description	Target Met	Pending	Target Not Met
1.	1-1	1-1.1	Old forest	X		
2.	1-1	1-1.2	Interior forest	X		
3.	1-1	1-1.3	Biodiversity Reserves	X		
4.	1-1	1-1.4	Biodiversity reserve effectiveness	X		
5.	1-1	1-1.5	Productive forest representation	X		
6.	1-2	1-2.1	Patch size	X		
7.	1-2	1-2.2	Coarse Woody Debris Levels	X		
8.	1-2	1-2.3	Wildlife tree patch requirements	X		
9.	1-2	1-2.4	Riparian Management area effectiveness	X		
10.	1-2	1-2.6	Caribou ungulate winter range effectiveness	X		
11.	1-2	1-2.7	Sedimentation	X		
12.	1-2	1-2.8	Stream crossings	X		
13.	1-2	1-2.9	Peak flow index	X		
14.	1-2	1-2.10	Road re-vegetation			X
15.	1-2	1-2.12	Road environmental risk assessments	X		
16.	1-3	1-3.1	Caribou ungulate winter range	X		
17.	1-3	1-3.2	Species at risk identification	X		
18.	1-3	1-3.3	Species at risk management			X
19.	1-3	1-3.4	LRMP wildlife management			X
20.	1-3	1-3.5	Species at risk management effectiveness	X		
21.	1-3	1-3.6	LRMP wildlife management effectiveness	X		
22.	1-3	1-3.7	Mugaha Marsh Report	X		
23.	1-4	1-4.1	Biodiversity reserves	X		
24.	1-4	1-4.2	Biodiversity reserves effectiveness	X		
25.	1-4	1-4.3	Sites of biological significance identification	X		
26.	1-4	1-4.4	Sites of biological significance management	X		
27.	1-4	1-4.5	Sites of biological significance effectiveness	X		
28.	2-1	2-1.1	Coarse woody debris	X		
29.	2-1	2-1.2	Soil conservation effectiveness			X
30.	2-1	2-1.3	Terrain management effectiveness	X		

No	Indicator Reference	Measure Number	Measure Description	Target Met	Pending	Target Not Met
31.	2-1	2-1.4	Reportable spills	X		
32.	2-1	2-1.5	Site Index			X
33.	2-2	2-2.1	Site conversion	X		
34.	2-2	2-2.2	Permanent access structures	X		
35.	2-2	2-2.3	Access management communication	X		
36.	2-3	2-3.1	Regeneration delay	X		
37.	2-3	2-3.2	Free growing	X		
38.	2-3	2-3.3	Stocking and species composition	X		
39.	2-4	2-4.1	Terrain management effectiveness	X		
40.	2-5	2-5.1	Accidental fires	X		
41.	2-5	2-5.2	Risk factor management			X
42.	3-1	3-1.1	Site conversion	X		
43.	3-1	3-1.2	Coarse woody debris	X		
44.	3-1	3-1.3	Regeneration delay	X		
45.	3-1	3-1.4	Free growing	X		
46.	3-1	3-1.5	Stocking and species composition	X		
47.	3-1	3-1.6	Soil conservation effectiveness			X
48.	3-2	3-2.1	Site conversion	X		
49.	3-2	3-2.2	Stocking and species composition	X		
50.	3-2	3-2.3	Regeneration delay	X		
51.	3-2	3-2.4	Free growing	X		
52.	4-1	4-1.1	Harvest volumes		X	
53.	4-1	4-1.2	Waste and Residue	X		
54.	4-2	4-2.1	Wood purchases	X		
55.	4-2	4-2.2	First-order wood products	X		
56.	4-2	4-2.3	Local investment	X		
57.	4-2	4-2.4	Support of public initiatives	X		
58.	4-2	4-2.5	Support of environmental projects	X		
59.	4-3	4-3.1	Taxes	X		
60.	4-3	4-3.2	Stumpage	X		
61.	4-4	4-4.1	Support of First Nations	X		
62.	4-4	4-4.2	Contract opportunities to First Nations	X		
63.	4-4	4-4.3	Value of transactions with First Nations	X		
64.	4-5	4-5.1	Competitive sale of timber	X		
65.	4-5	4-5.2	Primary milling facilities			X
66.	4-6	4-6.1	Risk factor management			X
67.	4-6	4-6.2	Forest stand damaging agents	X		
68.	4-6	4-6.3	Accidental fires	X		
69.	5-1	5-1.1	Non-timber benefits	X		
70.	5-1	5-1.2	SFMP implication on non-timber values	X		
71.	5-1	5-1.3	Range management effectiveness	X		
72.	6-1	6-1.1	Employment	X		
73.	6-1	6-1.2	Income	X		
74.	6-1	6-1.3	Business opportunities	X		
75.	6-1	6-1.4	First order wood products	X		
76.	6-1	6-1.5	Support opportunities	X		
77.	7-1	7-1.1	List of affected parties	X		
78.	7-1	7-1.2	SFMP review (PAG)	X		
79.	7-1	7-1.3	Meetings (PAG)	X		
80.	7-1	7-1.4	Satisfaction (PAG)	X		
81.	7-1	7-1.5	TOR review (process)	X		
82.	7-1	7-1.6	Satisfaction (affected parties)	X		
83.	7-1	7-1.7	Representation (PAG)			X
84.	7-1	7-1.8	Communication (PAG)	X		
85.	7-1	7-1.9	SFMP consistency with LRMP	X		
86.	7-2	7-2.1	Concerns (affected parties)	X		
87.	7-2	7-2.3	Response to concerns	X		
88.	7-2	7-2.4	SFMP availability (affected parties)	X		
89.	7-2	7-2.5	SFMP training (affected parties)			X
90.	7-2	7-2.6	Communication strategy effectiveness	X		
91.	7-3	7-3.1	Adaptive management	X		
92.	7-3	7-3.2	Monitoring plan	X		

No	Indicator Reference	Measure Number	Measure Description	Target Met	Pending	Target Not Met
93.	7-3	7-3.3	Annual report	X		
94.	8-1	8-1.1	Heritage conservation	X		
95.	8-1	8-1.2	TOR review (First Nations Rights)	X		
96.	8-2	8-2.1	Participation (First Nations)	X		
97.	8-3	8-3.1	Concerns (First Nations)			X
98.	8-3	8-3.2	Participation effectiveness (First Nations)	X		
99.	8-4	8-4.1	Participation effectiveness (First Nations)	X		
100.	8-4	8-4.2	Implementation effectiveness (First Nations)	X		
101.	9-1	9-1.1	Recreation	X		
102.	9-2	9-2.1	Visual quality	X		
103.	9-2	9-2.2	Green-up buffers	X		
104.	9-3	9-3.1	Resource features	X		
105.	9-4	9-4.1	Safety policies	X		
106.	9-4	9-4.2	Accidents	X		
107.	9-5	9-5.1	Signage			X
			Totals	93	1	13

1.3 SFM Performance Reporting

This annual report will describe the success of Canfor and BCTS in meeting the measure targets over the DFA. The report will be available to the public and will allow for full disclosure of forest management activities, successes, and failures. Canfor and BCTS have reported individual performance within their traditional operating areas as well as the performance which contributes to shared measures and targets across the plan area. Both Canfor and BCTS are committed to work together to fulfill the Mackenzie SFMP commitments including data collection and monitoring, participation in public processes, producing public reports, and continuous improvement.

2.0 SFM Indicators, Measures, Targets and Variances

Indicator 1-1 | Measure 1-1.1 Old forest

Measure Statement	Target and Variance
Percent area of old and mature+old seral stage by landscape unit group and BEC variant for CFLB within the DFA.	<u>Target:</u> As per the Mackenzie TSA Biodiversity Order <u>Variance:</u> 0%

This measure was chosen to monitor the amount of mature and old forest within each Landscape Unit (LU) group. It is assumed that maintenance of all seral stages across the landscape will contribute to sustainability because doing so is more likely to provide habitat for multiple species as opposed to creating landscapes of uniform seral stage. Emphasis is placed on old forest because many species use older forests and the structural elements found therein (e.g. large snags, coarse woody debris, and multilayer canopies). These structural elements are difficult to regenerate in younger forests.

The targets for Mackenzie TSA biodiversity order are based on the targets in the provincial order in that a Biodiversity Emphasis Option (BEO) is assigned to LU groups. Instead of reporting the current percentages by each LU and BEC variant, the order combines smaller landscape units with larger ones and also combines certain BEC units for the practicality of providing a reasonable landbase area on which to achieve the targets.

Table 2: Old, Old/Mature, and Old Interior Forest Retention on the Mackenzie Defined Forest Area
(See appendix 1 for Table 2)

Source: April 2009 Analysis Results
Measure Discussion:

Indicator 1-1 | Measure 1-1.2 Interior Forest

Measure Statement	Target and Variance
Percent of interior old forest by landscape unit group and BEC variant for CFLB within the DFA.	<u>Target:</u> As per the Mackenzie TSA Biodiversity Order <u>Variance:</u> 0%

Interior forest conditions refer to a situation where climatic and biotic characteristics are not significantly affected by adjacent and different environmental conditions (e.g., other seral stages, other forest or non-forest types, etc.). This measure is important because provision of habitat for old-forest dependent species (see measure 1-1.1) can only occur if old forests are not significantly affected by adjacent environmental conditions. Historically, natural disturbance events such as fire, insects, and wind led to diverse landscapes characterized by forests having these interior old forest conditions. Thoughtful planning of harvesting patterns can minimize "fragmentation" of the forested landscape and help create interior old forest conditions. Furthermore, the intent of this measure is to have interior old forest conditions represented within all ecosystem types to further enhance ecosystem resilience.

Table 2: Old, Old/Mature, and Old Interior Forest Retention on the Mackenzie Defined Forest Area
(See appendix 1 for Table 2)

Source: April 2009 Analysis Results
Measure Discussion:

Indicator 1-1 | Measure 1-1.3 Biodiversity Reserves

Measure Statement	Target and Variance
The amount of established landscape biodiversity reserves within the DFA.	<u>Target:</u> > area set aside across the DFA <u>Variance:</u> - 0.5%

We classify two kinds of reserves based on their relative size and hence the spatial resolution at which they are most effective: 1) the stand level, including mapped wildlife tree patches and riparian reserve areas and 2) the landscape level, including provincial parks and all other large reserve areas that are removed from the timber

harvesting land base. This measure is used to evaluate the amount of productive forest reserved within the DFA.

Table 2: Biodiversity Reserves across the DFA

Landscape Level Biodiversity Reserves	Reserve Area (ha.)	DFA Area (ha.)	Percent of DFA
Bijoux Falls Park	35.3	2,117,199	0.69%
Blackwater Creek Ecological Reserve	292.0		
Muscovite Lakes Park	5,711.5		
Patsuk Creek Ecological Reserve	538.2		
Tudyah Lake Park	52.1		
Ungulate Winter Range	7,925		
Totals	14,554.1		

Source: GIS

Measure Discussion: There has been no change to the total areas set aside for biodiversity reserves since the Sustainable Forest Management Plan was written.

Indicator 1-1 | Measure 1-1.4 Biodiversity Reserve Effectiveness

Measure Statement	Target and Variance
Hectares of unauthorized forestry-related harvesting or road construction within protected areas or established old growth management areas (OGMA)	Target: 0 ha. Variance: 0 ha.

The area of landscape level biodiversity reserves in the DFA is described in the measure 1-1.3. Current practice is to adhere to all legislative requirements, including the respecting of protected areas. Using GIS and spatial databases, operational plans are planned and reviewed to ensure no forestry activities are planned within protected areas or OGMA's.

Table 3: Hectares of unauthorized harvest or road construction within the DFA

Signatory	Protected Area or Established Old Growth Management Area		Total in DFA
	Area of Harvest	Area of road Construction	
Canfor	0.0	0.0	0.0
BCTS	0.0	0.0	0.0
Total	0.0	0.0	0.0

Source: GIS

Measure Discussion:

Indicator 1-1 | Measure 1-1.5 Productive Forest Representation

Measure Statement	Target and Variance
Percent productive forest by BEC variant represented within the Non-harvestable land base	Target: To be established following analysis (Sept 2007) Variance:

Canfor and BCTS will be working with the PAG in the 2009-10 fiscal year to identify reasonable targets for each BEC Variant. Proposed targets are detailed in table 4 below.

Table 4: Productive Forest Ecosystem by BEC

BEC Variant	DFA Area (ha)	THLB Area (ha)	THLB Percent of DFA (%)	NHLB Area (ha)	NHLB Percent of DFA (%)	Proposed Target (%)
AT	137,420	64	0.0%	553	0.4%	0.4%
BWBS dk1	129,526	76,054	58.7%	46,110	35.6%	35.6%
BWBS mw1	10,247	3,689	36.0%	5,953	58.1%	58.1%
BWBS wk2	21,097	12,442	59.0%	7,641	36.2%	36.2%
ESSF mv2	10,880	6,205	57.0%	3,873	35.6%	35.6%
ESSF mv3	314,568	200,277	63.7%	92,126	29.3%	29.3%
ESSF mv4	330,448	113,448	34.3%	152,437	46.1%	46.1%
ESSF mvp	92,940	2,489	2.7%	18,608	20.0%	20.0%
ESSF wc3	174,961	46,040	26.3%	68,444	39.1%	39.1%

ESSF wcp	58,320	1,359	2.3%	8,187	14.0%	14.0%
ESSF wk2	111,798	62,900	56.3%	39,488	35.3%	35.3%
SBS mk1	257,289	189,083	73.5%	41,785	16.2%	16.2%
SBS mk2	175,296	115,469	65.9%	37,831	21.6%	21.6%
SBS vk	6,720	4,798	71.4%	1,819	27.1%	27.1%
SBS wk1	8,872	6,766	76.3%	1,257	14.2%	14.2%
SBS wk2	226,617	154,520	68.2%	57,015	25.2%	25.2%
SBS mk	14,672	5,105	34.8%	7,201	49.1%	49.1%

Source: GIS

Measure Discussion:

Indicator 1-2 | Measure 1-2.1 Patch Size

Measure Statement	Target and Variance
Percent area by patch size class by landscape unit group and Natural Disturbance Types.	Target: Trend towards targets in LRMP Variance: N/A

Harvesting activities serve to mimic natural disturbance events characteristic within the Mackenzie DFA. Past social constraints associated with harvesting and resulting patch size have led to fragmentation of the landscape beyond the natural ranges of variability, which has developed over centuries from larger scale natural disturbance. In order to remain within the natural range of variability of the landscape and move toward sustainable management of the forest resource, it is important to develop and maintain patch size targets based on historical natural patterns. This measure will monitor the consistency of harvesting patterns compared to the landscape unit group and the natural patterns of the landscape.

The data in tables 6, 7, and 8 within Appendix 1 represent both the current status of the measure as of March 31, 2009, and the future status of the measure factoring all planned blocks.

Table 6, 7, and 8: Patch size Distribution on the Mackenzie Defined Forest Area

(See appendix 1 for Table 6, 7, and 8)

Indicator 1-2 | Measure 1-2.2 Coarse Woody Debris Levels

Measure Statement	Target and Variance
The percent of cutblocks that exceed coarse woody debris requirements.	Target: 100% Variance: 0%

Coarse woody debris (CWD) as a habitat element provides: 1) nutrients for soil development, 2) structure in streams to maintain channel stability, 3) food and shelter for animals and invertebrates, and 4) growing sites for plants and fungi. Past forestry practices have encouraged the removal of CWD from sites for a number of economic and/or safety reasons, presumably to the detriment of biological diversity. We use this measure following harvesting to quantify CWD retained in blocks, wildlife tree patches, riparian areas, and in areas of unsalvaged timber. Within the NHLB we assume that natural processes will result in the maintenance of appropriate levels of CWD.

Post-harvest CWD levels will be measured as a standard component of either the silviculture survey or residue and waste survey. The interim target for CWD was taken from the FRPA *Forest Planning and Practices Regulation, Sec. 68* default requirements (BC. Reg 14/2004). Although the PAG members felt that this number was inadequate to protect this element of biodiversity, they recognized that insufficient information exists to determine either the amount of CWD left behind after harvesting or the amount of CWD that occurs in natural pre-harvest stands. Even so, we expect significantly more CWD than the target is retained after harvest and have committed to developing a more comprehensive CWD strategy pending availability of more data.

Table 5: Cut Blocks Exceeding Course Woody Debris Requirements

Signatory	Total Number of Blocks Harvested	Number of Cutblocks Harvested exceeding CWD requirements	Overall %
Canfor	4	4	100.0%
BCTS	5	5	100.0%
TOTAL	9	9	100.0%

Source: GIS

Measure Discussion:

Indicator 1-2 | Measure 1-2.3 Wildlife Tree Patch Requirements

Measure Statement	Target and Variance
Percentage of cutblocks that meet or exceed wildlife tree patch requirements.	Target: 100% Variance: 0%

Stand level retention, including wildlife tree patches, is managed by each signatory in the DFA on a site-specific basis. During the development of a cut block, retention areas are delineated based on a variety of factors. Stand level retention generally occurs along riparian features and will include non-harvestable and sensitive sites if they are present in the planning area. Stand level retention also aims to capture a representative portion of the existing stand type to contribute to ecological cycles on the land base. Retention level in each block is documented in the associated Site Plan, recorded in the signatories' respective database systems and reported out in RESULTS on an annual basis.

Table 6: Percent of cutblocks exceeding WTP requirements

Signatory	Total Number of Cutblocks Harvested	Number of Cutblocks Harvested exceeding WTP requirements	Overall %
Canfor	0	0	100.0%
BCTS	5	5	100.0%
TOTAL	5	5	100.0%

Source: Signatory Site Plans

Measure Discussion:

Indicator 1-2 | Measure 1-2.4 Riparian Management Area Effectiveness

Measure Statement	Target and Variance
The percentage of forest operations consistent with riparian management area requirements as identified in operational plans and/or site plans.	Target: 100% Variance: 0%

Riparian features found in the field are assessed during the block lay-out stage to determine its riparian class and associated RRZ/RMZ. Appropriate buffers are then applied, considering other factors such as operability and windfirmness. Prescribed measures, if any, to protect the integrity of the RMA are then written into the Operational Plan. The target is a legal requirement. The target value of 100% has been established to reflect this and to ensure that all riparian management practices, specifically RRZ designation and management, continue to remain consistent with the pre-harvest operational plans.

Table 7: Riparian Management Area Effectiveness

Signatory	Number of Forest Operations with Riparian Management Strategies identified in Operational Plans				Number of Forest Operations completed in accordance with identified strategies	%in DFA
	Roads	Harvest	Silviculture	Total		
Canfor	0	0	0	0	0	100%
BCTS	21	4	6	31	31	100%
TOTAL	21	4	6	31	31	100%

Source: Signatory Operational Plans

Measure Discussion:

Indicator 1-2 | Measure 1-2.6 Caribou Ungulate Winter Range Effectiveness

Measure Statement	Target and Variance
The percentage of forest operations consistent with approved provincial Caribou Ungulate Winter Range requirements.	Target: 100% Variance: 0%

All cutblocks in approved ungulate winter ranges will be consistent with the management guidelines in the approved Order for Ungulate Winter Range #U-7-009. The order prescribes specific objectives to maintain mountain caribou winter range, to provide high suitability snow interception, cover, and foraging opportunities. Site plans prepared for these areas will reflect these objectives. This is a legal obligation of the signatories, modeling does not apply to this measure, although it is anticipated that caribou populations would be negatively impacted if targets are not achieved. Forecasting for this measure is that 100% of blocks will be consistent with approved provincial Caribou Ungulate Winter Range requirements.

Table 8: Forest Operations Consistent with Caribou Ungulate Winter Range requirements

Signatory	Number of Forest Operations with Caribou Ungulate Winter Range Strategies				Forest Operations Consistent with Identified Strategies	% in DFA
	Roads	Harvesting	Silviculture	Total		
Canfor	0	0	0	0	0	100.0
BCTS	25	5	6	36	36	100%
TOTAL	25	5	6	36	36	100%

Source: Signatory Operational Plans

Measure Discussion:

Indicator 1-2 | Measure 1-2.7 Sedimentation

Measure Statement	Target and Variance
The percentage of identified unnatural sediment occurrences where mitigating actions were taken.	Target: 100% Variance: <5%

Sedimentation occurrences are detected by forestry personnel during stream crossing inspections, road inspections, silviculture activities, and other general activities. In addition, Canfor supervisors routinely fly their operating areas annually following spring freshet to look for any such occurrences. While in some situations the sites may have stabilized so that further sedimentation does not occur, in other cases mitigating actions may have to be conducted. This may involve re-contouring slopes, installing siltation fences, re-directing ditch lines, grass seeding, or deactivating roads.

Table 9: Unnatural sediment occurrences and mitigating actions

Signatory	Number of identified unnatural sediment occurrences	Number of identified unnatural sediment occurrences with mitigating actions taken	% in DFA
Canfor	1	1	100%
BCTS	0	0	100%
TOTAL	1	1	100%

Source: Inspection monitoring reports

Canfor: A partially failed culvert was discovered in the fall of 2008. The crossing had stabilized by that time and was no longer depositing sediment to the stream. A plan was entered into Genus ITS to repair the crossing in summer 2009.
Measure Discussion: Canfor:

Indicator 1-2 | Measure 1-2.8 Stream Crossings

Measure Statement	Target and Variance
Percentage of stream crossings appropriately designed and properly installed and/or removed.	Target: 100% Variance: <5%

Forestry roads can have a large impact on water quality and quantity when they intersect with streams, particularly by increasing sedimentation into water channels. Sediment is a natural part of streams and lakes as water must pass over soil in order to enter a water body, but stream crossings can dramatically increase sedimentation above normal levels. Increased sedimentation can damage spawning beds, increase turbidity, and effect downstream water users. When stream crossings are installed and removed properly, additional sedimentation may be minimized to be within the natural range of variation. Erosion control plans and procedures are used to ensure installations and removals are done properly. To calculate the success of this measure it is important to ensure that a process is in place to monitor the quality of stream crossings, their installation, removal, and to mitigate any issues as soon as possible.

Table 10: Appropriately designed and installed stream crossings

Signatory	Number of Stream Crossings			Number of Stream Crossings			% Total
	Installed	Removed	Total	Appropriately designed and properly installed	Properly removed	Total	
Canfor	0	0	0	0	0	0	
BCTS	26	27	53	26	27	53	100%
TOTAL	26	27	53	26	27	53	100%

Source: Inspection monitoring reports

Measure Discussion:

Indicator 1-2 | Measure 1-2.9 Peak Flow Index

Measure Statement	Target and Variance
-------------------	---------------------

Percent of watersheds containing approved or proposed development with Peak Flow Index calculations completed.	Target: 100% by September 2007 Variance: + 7 months
--	--

The signatories have determined that 100% of PFIs can be calculated by September, 2007 for watersheds where the signatories have approved or proposed development. Once the PFI calculations are complete, the results will be reported back to the PAG. Watersheds will then be evaluated to establish PFI targets. Once these targets are established, harvesting plans will have to consider the impact harvesting will have on the watershed in which it occurs. The goal is to maintain peak flows within the target PFI to avoid excessive amounts of peak flow runoff. Licensees are collaborating on the development of Peak Flow Indices on or before September of 2007.

Table 11: Peak Flow Index

Signatory	Number of watersheds with approved/proposed development in the DFA	Number of watersheds with Peak Flow Index calculations	Total % DFA
Both	99	99	100%
TOTAL	99	99	100%

Source: GIS analysis

Measure Discussion: Peak flow calculations are complete for all watersheds within the DFA, other than the large watersheds that span outside the DFA – for example, the Williston/Peace watershed.

Indicator 1-2 | Measure 1-2.10 Road Re-vegetation

Measure Statement	Target and Variance
Percentage of road construction or deactivation projects where prescribed re-vegetation occurs within 12 months of disturbance.	Target: 100% Variance: -10%

This measure was chosen as a way to assess our ability to minimize or at least reduce the anthropogenic effect of forest roads on adjacent ecosystems. In keeping with the common assumption of coarse-and medium-resolution biodiversity, our underlying assumption with this measure was – re-vegetating roads will reduce the potential anthropogenic effects that roads have on adjacent ecosystems by minimizing potential for silt runoff or slumps, the amount of exposed soil, the potential for invasive plants to become established, and returning at least a portion of forage and other vegetation to conditions closer to those existing prior to management.

Table 12: Road re-vegetation within 12 months of disturbance

Signatory	Total Number of Projects Where Re-vegetation is Prescribed	Number of Prescribed Re-vegetation Projects Completed within 12 months of disturbance	% in DFA
Canfor	0	0	N/A
BCTS	44	1	2.3%
TOTAL	44	1	2.3%

Source:

Measure Discussion:

What Happened?

This measure has not been met due to the fact that there has been a decision to not use or enforce the grass seeding clause on TSL Licensees for their respective TSL Roads. BCTS has also been building most of their FSRs in the winter requiring more than 12 months building a road as additional work is usually required the following year.

BCTS Rationale Why (Root Cause)?

Within BCTS Mackenzie, there has not been an adequate amount of resources within the Field Team to get caught up on grass seeding projects for a number of years for both TSL roads and FSRs.

Action Plan

BCTS Mackenzie is in the process of seeding their backlog of roads. Pending a consistent level of resources, buy-in to consider having Licensees carry out grass seeding, as well as completing road construction repair work during the summer, Mackenzie could be caught up within 2 years and able to meet this measure.

See APN-TPG2008-ITS0029 for follow up action

Indicator 1-2 | Measure 1-2.12 Road Environmental Risk Assessment

Measure Statement	Target and Variance
Percentage of planned roads that have an environmental risk assessment	Target: 100%

completed.	Variance: <10%
------------	----------------

Environmental risk assessments provide a measure of “due diligence” in avoiding accidental environmental damage that has potential to occur from forest development in conditions of relatively unstable soil. Through the implementation of risk assessments, we expect to maintain soil erosion within the range that would normally occur from natural disturbance events under unmanaged conditions. Our assumption was – the more we can resemble patterns of soil erosion existing under unmanaged conditions, the more likely it will be that we do not introduce undue anthropogenic effects, from road construction, on adjacent ecosystems. The completion of environmental risk assessments on roads is completed by field staff during road layout and is inputted into the signatories’ respective databases. The assessments provide the basis for future road inspection requirements and highlight areas of special concern that may require professional geotechnical or design work. All assessments are completed in accordance to documented procedures.

Table 13: Planned roads with environmental risk assessments completed

Signatory	Total Number of roads constructed	Number of constructed roads with environmental risk assessments completed	% in DFA
Canfor	0	0	100%
BCTS	46	46	100%
TOTAL	46	46	100%

Source: Genus

Measure Discussion:

Indicator 1-3 | Measure 1-3.1 Caribou Ungulate Winter Range

See Measure 1-2.6

Indicator 1-3 | Measure 1-3.2 Species at Risk Identification

Measure Statement	Target and Variance
Percentage of appropriate personnel trained to identify Species at Risk in the DFA.	Target: 100% Variance: <10%

Identification of those animal and bird species and plant communities that have been declared to be at risk by appropriate personnel is crucial if they are to be conserved. Appropriate personnel are key staff and consultants that are directly involved in operational forest management activities. By implementing training to identify Species at Risk the potential for disturbing these species and their habitat decreases. Maintaining all populations of native flora and fauna in the DFA is vital for sustainable forest management, as all organisms are components of the larger forest ecosystem.

Table 14: Appropriate personnel trained in Species at Risk Identification

Signatory	Number of appropriate personnel	Number of appropriate personnel trained in Species at Risk Identification	Percent in DFA (%)
Canfor	3	3	100%
BCTS	14	14	100%
TOTAL	17	17	100%

Source: Signatory training records

Measure Discussion:

Indicator 1-3 | Measure 1-3.3 Species at Risk Management

Measure Statement	Target and Variance
Percent of Species at risk in the DFA that have management strategies developed by April 2007.	Target: 100% Variance: 0%

Development and implementation of management strategies for Species at Risk requires knowledge of how many forest dependant species inhabit a managed area. While the concept of biodiversity includes all organisms of a particular region, assessing forest dependant species at all trophic levels is neither feasible nor operationally practical. A review of Species at Risk flora and fauna in relation to the Mackenzie DFA should ideally consider all forest dependent species. For this indicator, the review of fauna will generally focus on vertebrates such as fish, mammals, birds, amphibians and reptiles currently identified as provincial red and blue listed species. Provincially Identified Wildlife, red and blue listed Plant communities, and Red listed plants will

also be reviewed for the DFA based on a summary listing from the BC Conservation Data Center. Licensees have been collaborating on the development of management strategies for species at risk in the DFA.

Table 15: Management Strategies for Species at Risk in the DFA

Signatory	Number of Species at Risk in the DFA	Number of Species at Risk with Management Strategies Developed by April 2007	% in DFA
Canfor	67	41	61%
BCTS	67	67	100%
TOTAL			

Source: BCTS SAR training manual – June 2008 version

Measure Discussion: Canfor: Due to the date constraint in the measure description, the Canfor result will not change from previous reports. Canfor moving forward will be consolidating and coordinating the entire Wildlife Management program into one indicator / measure consisting of training, identification, management strategies and implementation. A measure focussing on the result rather than the process will be more meaningful. Canfor Operations across the Western Canada are moving down the path of a Biodiversity Centric - Species Accounting system. This Species Accounting System will take a plentitude of existing wildlife data and provide for grouping species according to habitat and management requirements. Application of the species accounting system, particularly when applied with coarse filter analysis would indicate what species merit special attention. It is much more important to gain an understanding of the forest dependant species that will be most impacted by forest activities vs. developing site specific strategies for each and every species across the landbase. This approach will lend itself well to the priorities we place on wildlife project funding, research and development. This project and direction is deemed to be an improvement to the current wildlife management regime as well as ensuring resource managers are focusing on the most impacted species first.

Indicator 1-3 | Measure 1-3.4 LRMP Wildlife Management

Measure Statement	Target and Variance
Percent of LRMP Resource Management Zone (RMZ) specific wildlife species with management strategies before April 2007.	Target: 100% Variance: 0%

The Mackenzie LRMP established strategic direction for the conservation of regionally significant wildlife species within each Resource Management Zone in the Mackenzie Timber Supply Area. In principle, these strategic directions are consistent with the maintenance of productive populations of selected species and therefore provide a measure of our trend toward biological richness. We assume that maintaining individual species contributes directly to biological diversity. Concurrently, through the use of this measure we also subscribe to the social balance of ecological, economic, and social values created through consensus at the Mackenzie LRMP. The Mackenzie LRMP prescribes objectives for 14 different species, either as general management directions applicable throughout the TSA, or as direction applicable only to specific RMZs. (See April 25, 2006 handout to PAG). The following species are listed in the LRMP as having specific management objectives; arctic grayling, bull trout, eagles, elk, lake trout, marten, moose, mountain goat, northern goshawk, osprey, peregrine falcon, rainbow trout, stone sheep, and trumpeter swan. Of these, bull trout, arctic grayling, eagles, osprey, peregrine falcon, northern goshawk, and marten are subject to general management direction.

Going forward, the signatories are collaborating on the development of management strategies for site of biological significance in the DFA by April of 2007.

Table 16: LRMP specific Wildlife Management Strategies

Signatory	Number of RMZ-Specific Wildlife Species	Number of RMZ-Specific Wildlife Species with Management Strategies Developed by April 2007	% in DFA
Canfor	14	3	21%
BCTS	14	11	78.6%
TOTAL			

Source: Signatory Operational Plans

Measure Discussion:

Canfor: See comments in Measure 1-3.3

BCTS: Of the 14 species identified in the LRMP, 11 have existing management strategies in place. Artic Grayling and Bull Trout are within our Species-At-Risk management strategies. Elk, Stone Sheep, and Mountain Goat are covered off within Ungulate Winter Range management strategies. Eagles, Northern Goshawks, Osprey, and Peregrine Falcon nests are all protected under the Wildlife Act and BCTS has appropriate management strategies in place for them. Management for Rainbow and Lake Trout are covered off by

strategies contained with BCTS's Forest Stewardship Plan. This leaves Marten, Moose, and Trumpeter Swan without management strategies. Canfor and BCTS will be examining the relevance of this measure with the PAG over the 2009-2010 reporting period. If the measure remains as is, then management strategies for the 3 remaining species will be developed by March 31, 2010.

Indicator 1-3 | Measure 1-3.5 Species at Risk Management Effectiveness

Measure Statement	Target and Variance
Percentage of forest operations consistent with Species at Risk in the DFA management strategies as identified in operational plans, tactical plans, and/or site plans.	Target: 100% Variance: <5%

The measure is intended to monitor the consistency between forest operations with approved provincial Species at Risk Notice/ Orders requirements as identified in operational plans. Being consistent with these requirements will ensure that the habitats that are required to support these Species at Risk will be maintained. Overall ecosystem productivity will be maintained by ensuring these species continue to play their roles in the healthy functioning of the DFA's forests. Notices and Orders are legal entities created through Government Regulations. As such, approved species at Risk Notice/ Orders requirements identified in operational plans must be adhered to.

Table 17: Forest Operations consistent with Management Strategies for Species at Risk in the DFA

Signatory	Number of Forest Operations with Species at Risk Management Strategies Identified in Operational Plans				Forest Operations Completed in Accordance with Identified Strategies	% in DFA
	Roads	Harvesting	Silviculture	Total		
Canfor	0	0	0	0	0	100%
BCTS	2	0	0	2	2	100%
TOTAL	2	0	0	2	2	100%

Source: Signatory Operational Plans

Measure Discussion:

Indicator 1-3 | Measure 1-3.6 LRMP Wildlife Management Effectiveness

Measure Statement	Target and Variance
Percentage of forest operations consistent with LRMP Resource Management Zone (RMZ) specific wildlife species management strategies as identified in operational plans, tactical plans, and/or site plans.	Target: 100% Variance: <5%

Through use of this measure we extend that of 1-3.4 by addressing actual implementation of strategic direction identified within the Mackenzie LRMP for the conservation of specific wildlife species. In principle, these strategic directions are consistent with the maintenance of productive populations of selected species and therefore provide a measure of our trend toward biological richness. We assume that maintaining individual species contributes directly to biological diversity. Concurrently, through the use of this measure we also subscribe to the social balance of ecological, economic, and social values created through consensus at the Mackenzie LRMP.

Table 18: Forest Operations consistent with Management Strategies for LRMP specific wildlife in the DFA

Signatory	Number of Forest Operations with RMZ-Specific Wildlife Management Strategies Identified in Operational Plans				Forest Operations Completed in Accordance with Identified Strategies	% in DFA
	Roads	Harvesting	Silviculture	Total		
Canfor	0	0	0	0	0	100%
BCTS	20	2	6	28	28	100%
TOTAL	20	2	6	28	28	100%

Source: Signatory Operational Plans

Measure Discussion:

Indicator 1-3 | Measure 1-3.7 Mugaha Marsh Report

Indicator Statement	Target and Variance
Report out on the annual results from the Mugaha Marsh bird banding	Report out on

station.

This measure was proposed by the PAG and accepted as a measure in part to recognize the important work that is being completed at the banding station and the data that is resulting from it. The bird-banding station at Mugaha Marsh has been a long-standing (since 1995) monitoring station collaboratively operated by the Mackenzie Nature Observatory and the Canadian Wildlife Service. Through operation of the station, trends in migratory birds can be assessed locally and contribute to a broader program at national and international levels. The data help provide a measure of species, and therefore, biological richness under the assumption that maintenance of individual species contributes directly to biological diversity. Banding at the station was completed for the year with a total of 3189 birds being banded comprised of 68 different species. A detailed breakdown of species captured, number captured, and the number of return captures for 2006 will be available following publication of the Mugaha Marsh banding station annual report.

Table 19: Mugaha Marsh Report

Standard Banding Totals				
Species	July	August	Sept	2008
Sharp-shinned Hawk		2		2
Sora			1	1
Yellow-bellied Sapsucker	2			2
Red-breasted Sapsucker	2	1		3
Hybrid Sapsucker	3	3		6
Downy Woodpecker	10	8		18
Yellow-shafted Flicker		1		1
Flicker Intergrade	2		1	3
Olive-sided Flycatcher		1		1
Western Wood-Pewee	13	3		16
Yellow-bellied Flycatcher		1	1	2
Alder Flycatcher	9	31	10	50
Least Flycatcher	59	32		91
Hammond's Flycatcher	9	23	3	35
Dusky Flycatcher	6	18	2	26
Ash-throated Flycatcher		1		1
Eastern Kingbird	1	2		3
Solitary Vireo	1			1
Cassin's Vireo	4			4
Blue-headed Vireo			2	2
Warbling Vireo	6	17	3	26
Red-eyed Vireo	1			1
Tree Swallow		1		1
Northern Rough-winged Swallow	1			1
Barn Swallow		1		1
Black-capped Chickadee	7	7	57	71
Mountain Chickadee			1	1

Hybrid Chickadee		2		2
Chestnut-backed Chickadee			4	4
Red-breasted Nuthatch	11	12	9	32
Brown Creeper		2	2	4
Winter Wren		1		1
Golden-crowned Kinglet	3	27	83	113
Ruby-crowned Kinglet	18	72	237	327
Swainson's Thrush	36	43	20	99
Hermit Thrush	1	7	17	25
American Robin	4	3	3	10
Varied Thrush		2	2	4
Cedar Waxwing	10	3		13
Tennessee Warbler		5	1	6
Orange-crowned Warbler	4	51	84	139
Yellow Warbler	37	119	10	166
Magnolia Warbler	15	65	12	92
Yellow-rumped Warbler	7	6	47	60
Audubon's Warbler	1	10	16	27
Myrtle Warbler	3	1	22	26
Townsend's Warbler		10	3	13
Western Palm Warbler			1	1
Bay-breasted Warbler		1		1
Blackpoll Warbler	4	14	2	20
American Redstart	72	252	23	347
Ovenbird	1	6		7
Northern Waterthrush	55	108	16	179
MacGillivray's Warbler	1	15	3	19
Common Yellowthroat	23	33	63	119
Wilson's Warbler	1	65	21	87
Western Tanager	8	1		9
Rose-breasted Grosbeak	1			1
American Tree Sparrow			1	1
Chipping Sparrow	7	4	2	13
Clay-colored Sparrow		1		1
Savannah Sparrow	1	5	8	14
Fox Sparrow		1	5	6
Song Sparrow	14	2	3	19
Lincoln's Sparrow	6	3	9	18
Swamp Sparrow	1	1	1	3
White-throated Sparrow	6	3	4	13
White-crowned Sparrow			1	1

Gambel's White-crowned Sparrow		5	12	17
Golden-crowned Sparrow			1	1
Dark-eyed Junco	7	3	8	18
Oregon Junco		4	12	16
Slate-colored Junco			2	2
Red-winged Blackbird	2			2
Rusty Blackbird	4	1	1	6
Brown-headed Cowbird	2	1		3
Pine Siskin	15	54	3	72
Totals	517	1177	855	2549

2008 Returns				
Species	July	Aug.	Sep	2008
Yellow-bellied Sapsucker	0		1	1
Hybrid Sapsucker	0	2		2
Downy Woodpecker	0	4		4
Hairy Woodpecker	1		1	2
Yellow-shafted Flicker	1			1
Western Wood-Pewee	2			2
Alder Flycatcher		1		1
Least Flycatcher	9	1		10
Dusky Flycatcher	0	2		2
Cassin's Vireo	1			1
Blue-headed Vireo			1	1
Warbling Vireo	5	1		6
Red-eyed Vireo	1			1
Black-capped Chickadee	2	11	19	32
Mountain Chickadee			1	1
Hybrid Chickadee		2	4	6
Red-breasted Nuthatch	1	3		4
Golden-crowned Kinglet		1	4	5
Ruby-crowned Kinglet	3	21	25	49
Swainson's Thrush	20	5		25
Hermit Thrush	0		1	1
American Robin	3		1	4
Cedar Waxwing	1	1		2
Orange-crowned Warbler				7
Orange-crowned Warbler	0	6	1	7
Yellow Warbler	30	58	2	90
Magnolia Warbler	0	6		6
Myrtle Warbler	1			1

Blackpoll Warbler	0	3		3
American Redstart	32	84	8	124
Northern Waterthrush	14	30	4	48
Common Yellowthroat	4	14	14	32
Wilson's Warbler	0		1	1
Western Tanager	1			1
Chipping Sparrow	3			3
Fox Sparrow	0	2		2
Song Sparrow	8	2	6	16
Swamp Sparrow		1		1
White-throated Sparrow	3		1	4
Dark-eyed Junco	1			1
Oregon Junco	0		1	1
Pine Siskin	0	2		2
totals	147	263	96	506

Source: Mugaha Marsh Annual Report

Measure Discussion:

Indicator 1-4 | Measure 1-4.1 Biodiversity Reserves

See Measure 1-1.3

Indicator 1-4 | Measure 1-4.2 Biodiversity Reserves Effectiveness

See Measure 1-1.4

Indicator 1-4 | Measure 1-4.3 Sites of Biological Significance identification

Measure Statement	Target and Variance
Percentage of appropriate personnel trained to identify sites of biological significance in the DFA.	Target: 100% Variance: <10%

Sites of biological significance are sites that may support red and blue listed plant communities and rare ecosystems. Sites of biological significance also include protected areas which the Canadian Standards Association defines as "an area protected by legislation, regulation, or land-use policy to control the level of human occupancy or activities" (Canadian Standards Association, 2002). Protected areas can include national, provincial parks, multiple use management areas, and wildlife reserves. Sites of biological significance also include such features as bald eagle or osprey nest, mineral licks, species at risk habitats and other habitats designated by government. Appropriate personnel include key signatory staff and consultants that are directly involved in operational forest management activities. Having appropriate personnel trained to identify sites of biological significance will reduce the risks of forestry activities damaging these sites. The protection of all forest components is an integral aspect of Sustainable Forest Management, which recognizes the value of all organisms to the health of the forest ecosystem. Tracking the percent of personnel trained to identify sites of biological significance will allow licensees to ensure their knowledge is used appropriately to protect these sites in the DFA.

Table 20: Appropriate personnel trained in sites of biological significance Identification

Signatory	Number of appropriate personnel	Number of appropriate personnel trained in Sites of Biological Significance Identification	Percent in DFA (%)
Canfor	3	3	100%
BCTS	14	14	100%

TOTAL	17	17	100%
--------------	-----------	-----------	-------------

Source: Signatory training records

Measure Discussion:

Indicator 1-4 | Measure 1-4.4 Sites of Biological Significance Management

Measure Statement	Target and Variance
Percent of sites of biological significance that have management strategies developed by April 2007.	Target: 100% Variance: 0%

In the Mackenzie DFA the application of landscape and stand level biodiversity management measures contribute to the maintenance of most biodiversity needs. These management approaches are "coarse filter", i.e., they represent general measures to conserve a variety of wildlife species. However, coarse filter guidelines may not be sufficient to ensure the conservation of sites of biological significance. Specific management strategies may be required to ensure that these sites are maintained within the DFA. This measure will ensure that specific management (fine filter) strategies are developed to conserve and manage sites of biological significance. Many types of sites of biological significance are sufficiently known to allow the development of special management areas, or prescribe activities that will appropriately manage these areas. The management strategies will be based on information already in place (e.g., National Recovery Teams of Environment Canada, IWMS Management Strategy), legislation (provincial and national parks), Land and Resource Management Plans (LRMPs), and recent scientific literature. Management strategies will be implemented in operational plans such as site plans to ensure the protection of these sites. This measure is not due until April of 2007. Going forward, the signatories are collaborating on the development of management strategies for site of biological significance in the DFA by April of 2007.

Table 21: Management Strategies for Sites of biological Significance in the DFA

Signatory	Number of sites of biological significance in the DFA	Number of Sites of biological significance with Management Strategies Developed by April 2007	% in DFA**
Canfor	9	9	100%-
BCTS	9	9	100%
TOTAL	9	9	100%

Source:

Measure Discussion:

Indicator 1-4 | Measure 1-4.5 Sites of Biological Significance Effectiveness

Measure Statement	Target and Variance
Percentage of forest operations consistent with sites of biological significance management strategies as identified in operational plans, tactical plans, and/or site plans.	Target: 100% Variance: <5%

This measure evaluates the success of implementing specific management strategies for sites of biological significance as prescribed in operational, tactical and/or site plans. As discussed in previous measures, various sites of biological significance exist in the Mackenzie DFA and the signatories have set a target date of April 2007 to develop management strategies for these sites. Once these strategies are in place, operational plans such as site plans describe the actions needed to achieve these strategies on a site specific basis. Once harvesting and other forest operations are complete, an evaluation is needed to determine how well these strategies were implemented. Developing strategies and including them in operational, tactical and/or site plans are of little use if the actions on the ground are not consistent with them. Tracking this consistency will ensure problems in implementation are identified and corrected in a timely manner.

Table 22: Forest Operations consistent with Management Strategies for sites of Biological Significance in the DFA

Signatory	Number of Forest Operations consistent with Sites of biological significance Management Strategies Identified in Operational Plans				Forest Operations Completed in Accordance with Identified Strategies	% in DFA
	Roads	Harvesting	Silviculture	Total		
Canfor	0	0	0	0	0	100%
BCTS	0	0	0	0	0	100%
TOTAL	0	0	0	0	0	100%

Source: Signatory Operational Plans

Measure Discussion:**Indicator 2-1 | Measure 2-1.1 Coarse Woody Debris**

See Measure 1-2.2

Indicator 2-1 | Measure 2-1.2 Soil Conservation Effectiveness

Measure Statement	Target and Variance
Percentage of forest operations consistent with soil conservation standards as identified in operational plans and/or site plans.	Target: 100% Variance: 0%

Conserving soil function and nutrition is crucial for sustainable forest management. To achieve this, forest operations have limits on the amount of soil disturbance they can create. These limits are described in legislation in the Forest Planning and Practices Regulation, section 35. Soil disturbance is defined in this SFM plan as disturbance caused by a forest practice on an area, including areas occupied by excavated or bladed trails of a temporary nature, areas occupied by corduroy trails, compacted areas, and areas of dispersed disturbance. Soil disturbance is expected to some extent from timber harvesting or silviculture activities, but these activities are held to soil conservation standards in Site Plans (where they are more commonly known as "soil disturbance limits"). The Site Plan prescribes strategies for each site to achieve activities and still remain within acceptable soil disturbance limits.

Soil information is collected as a component of site plan preparation, and soil conservation standards are established based on the soil hazards for that block. To be within those limits there are several soil conservation strategies currently used. Forest operations may be seasonally timed to minimize soil disturbance. For example, fine-textured soils such as clays and silts are often harvested when frozen to reduce excessive compaction. EMS prework forms require equipment operators to be aware of soil conservation measures outlined in the site plans. Once an activity is complete the final EMS inspection form assesses the consistency with site plan guidelines. If required, temporary access structures are rehabilitated to the prescribed standards. Road construction within blocks is minimized, and low ground pressure equipment may be used where very high soil hazards exist

Table 23: Forest Operations consistent with soil conservation standards in the DFA

Signatory	Number of Forest Operations				Forest Operations Completed in Accordance with Soil Conservation Standards	% in DFA
	Roads	Harvesting	Silviculture	Total		
Canfor	0	0	3	3	3	100%
BCTS	25	5	6	36	35	97.2%
TOTAL	25	5	9	39	38	97.4%

Source: Signatory Operational Plans

BCTS: Soil disturbance survey on TSL A77173 Block 6790. 2009 soil disturbance surveys showed that PAS on this block was over the prescribed percentage of 3.7% in the Site Plan by 1.1%, bringing the block into non-conformance with the Site Plan, but not in non-compliance with the Forest Planning and Practices Regulation default level of 7%. There is a discrepancy in the wording for this measure. Operational plans (FSP) and the Site Plan document are usually different. The FSP states that BCTS will not exceed the allowable amount of Permanent access structures detailed in regulation, whereas the Site Plan is more specific and usually states a percentage for access structures that is below the allowable amount in the FSP. Canfor and BCTS to take a look at the wording and propose more specific wording for this measure.

Measure Discussion:**Indicator 2-1 | Measure 2-1.3 Terrain Management Effectiveness**

Measure Statement	Target and Variance
The percentage of forest operations consistent with terrain management requirements as identified in operational plans and/or site plans.	Target: 100% Variance: 0%

Some areas subject to forest operations occur on slopes that warrant special terrain management requirements in operational plans (usually the site plan). These unique actions are prescribed to minimize the likelihood of landslides or mass wasting. Terrain Stability Assessments (TSA) are completed on areas with proposed harvesting or road development that has been identified as either unstable or potentially unstable. The

recommendations of the TSA are then integrated into the site plan or road layout/design and implemented during forest operations.

Table 24: Forest Operations consistent with Terrain Management Requirements

Signatory	Number of Forest Operations with Terrain Management Requirements Identified in Operational Plans				Forest Operations Completed in Accordance with Requirements	% in DFA*
	Roads	Harvesting	Silviculture	Total		
Canfor	0	0	0	0	0	100%
BCTS	1	0	0	1	1	100%
TOTAL	1	0	0	1	1	100%

Source: Signatory Operational Plans

Measure Discussion:

Indicator 2-1 | Measure 2-1.4 Reportable Spills

Measure Statement	Target and Variance
The number of EMS reportable spills	Target: 0 Variance: ≤ 5

All signatories currently have procedures in place for reducing and reporting spills. EMS checklists and monitoring procedures require the proper storage, handling, and labeling of controlled products. Such measures include proper storage tank construction, the use of shut off valves, availability of spill kits, and the construction of berms where required. EMS plans also include the measures to be taken in the event of a spill.

Table 25: The Number of EMS Reportable Spills

Signatory	Number of EMS Reportable Spills						
	Petroleum Products	Pesticides	Antifreeze	Battery Acid	Grease	Paints and Solvents	Total
Canfor	0	0	0	0	0	0	0
BCTS	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0

Source: Signatory Incident Tracking System

Measure Discussion:

Indicator 2-1 | Measure 2-1.5 Site Index

Measure Statement	Target and Variance
Variance between average pre-harvest and post harvest site index (at free growing) by inventory type group for cutblocks.	Target: >0 Variance: 0 %

Site index is an expression of the forest site quality of a stand, defined as the height of the dominant or codominant trees in a stand at a specified age. Site index equations are calculated for individual species using mensuration data. It is commonly used as an indicator of site productivity as it infers that trees or stands with greater growth at a given age have access to more key resources required for biomass production. The higher the site index for a given species in a given region, the higher the productivity or the quality of the site. Site index is sensitive to changes in ecological variables including soil nutrients, soil moisture, and others.

This measure provides a relative comparison of a post-harvest average site index (at free growing) compared to the pre-harvest site index (as represented by inventory estimates) in the THLB. Current condition for this measure is not known on a block-by-block basis as pre-harvest site index data is not readily available for blocks that are currently becoming free growing. The signatories are taking steps to remedy this and pre-harvest site index data now being tracked.

Table 26: Site Index Variance by Subzone and leading species

BEC Zone - Leading Species	Subzone	Inventory SI	Canfor - SI at Free Growing			BCTS - SI at Free Growing			Met (Y/N)
			# of SUs	Avg. Predicted SI	Variance %	# of SUs	Avg. Predicted SI	Variance %	

SBS-Pine	mk1	15.7	17	18.7	19%	3.0	17.0	8%	Y
	mk2	16.9	5	19.8	17%	1.0	21.0	24%	Y
	wk1	19.2			0%			0%	
	wk2	16.8			0%			0%	
SBS-Spruce	mk1	13.6			0%	2.0	15.5	14%	Y
	mk2	14.2	4	17.3	22%			0%	Y
	wk1	15.7			0%	1.0	18.0	15%	Y
	wk2	14.0	3	20.7	48%	8.0	20.5	16%	Y
BWBS-Pine	dk1	15.0	8	12.8	-15%	6.0	15.0	0%	N
BWBS-Spruce	dk1	12.3	6	15	22%	2.0	17.0	38%	Y
ESSF-Pine	mv3	14.1	3	15.7	11%			0%	Y
	mv4	13.9			0%			0%	
ESSF-Spruce	mv3	10.3	10	14.1	37%			0%	Y
	mv4	10.3			0%			0%	

BEC Zone - Leading Species	Subzone	Canfor			BCTS			Combined Variance %
		Inventory SI	Predicted SI	Variance %	Inventory SI	Predicted SI	Variance %	
SBS-Pine	mk1	15.7			15.7			
	mk2	16.9			16.9			
	wk1	19.2			19.2			
	wk2	16.8			16.8			
SBS-Spruce	mk1	13.6			13.6			
	mk2	14.2			14.2			
	wk1	15.7			15.7			
	wk2	14.0			14.0			
BWBS-Pine	dk1	15.0			15.0			
BWBS-Spruce	dk1	12.3			12.3			
ESSF-Pine	mv3	14.1			14.1			
	mv4	13.9			13.9			
ESSF-Spruce	mv3	10.3			10.3			
	mv4	10.3			10.3			

Source: N/A

Measure Discussion:**Indicator 2-2 | Measure 2-2.1 Site conversion**

Measure Statement	Target and Variance
Area of THLB converted to non-forest land used through forest management activities.	Target: <5% Variance: 0%

In addition to maintaining the resources necessary for sustaining the resiliency of forest ecosystems, a stable land base within which productive capability is assessed is also required. In order to assess the maintenance of the productive capability of the land base, this measure specifically tracks the amount of productive land base loss due to various non-forest uses. Removal of the productive land base occurs as a result of permanent access structures, including roads, landings and gravel pits, as well as converting forested areas to non-forest land use, such as range, seismic lines and other mineral exploration.

Conversion of the THLB to non-forest land also has implications for carbon sequestration. A permanent reduction in the forest means that the removal of carbon from the atmosphere and carbon storage will be correspondingly reduced. The data that is required for monitoring is the number of hectares of productive forest area lost due to conversion to a non-forest use. This data collection and analysis is essentially a GIS exercise that can be completed at 5 year intervals concurrently with the Timber Supply Review process.

Table 27: Area of THLB converted to Non-forest land

Signatory	Total THLB	Area Converted to Non-forest Land	Percent of THLB Area
Canfor	624,762	20,402	3.4%
BCTS	411,007	19,152	4.7%
TOTAL	1,035,770	39,554	3.8%

Source: GIS analysis

Measure Discussion:**Indicator 2-2 | Measure 2-2.2 Permanent Access Structures**

Measure Statement	Target and Variance
The percentage of gross cutblock area occupied by total permanent access structures.	Target: <5% Variance: +1%

This indicator measures the amount of area developed as permanent access structures (PAS) within cutblocks, in relation to the area harvested during the same period. Limits are described in legislation in the Forest Planning and Practices Regulation, section 36. Permanent access structures include roads, bridges, landings, gravel pits, or other similar structures that provide access for timber harvesting. Area that is converted to non-forest, as a result of permanent access structures and other development is removed from the productive forest land base and no longer contributes to the forest ecosystem. Roads and stream crossings may also increase risk to water resources through erosion and sedimentation. As such, minimizing the amount of land converted to roads and other structures protects the forest ecosystem as a whole.

Table 28: Percent of permanent access structures in cutblocks within the DFA.

Signatory	Total Cutblock Area Harvested	Total Cutblock Area in Permanent Access Structures	Percent
Canfor	0	0	0
BCTS	699.0	18.9	2.7%
TOTAL	699.0	18.9	2.7%

Source:

Measure Discussion:**Indicator 2-2 | Measure 2-2.3 Access Management Communication**

Measure Statement	Target and Variance
Inclusion of access management in communication strategies with stakeholders.	Target: 100%

	Variance: 0%
--	--------------

Lack of coordinated plans for access to resources among multiple proponents seeking a range of resource development opportunities can lead to excessive and inefficient road networks. In turn, such road networks can lead to reduced forest productivity among other anthropogenic effects. Our assumption with this measure is simply that – by increasing communication about access plans among stakeholders, we can increase the efficiency of access to resources and thereby reduce any negative subsequent effects on forest productivity. Through use of this measure we expect to track our performance in this communication and hence our “due diligence” in indirectly maintaining forest productivity.

Table 29: Communication strategies with stakeholders regarding Access Management.

Signatory	Number of Communication Strategies with Stakeholders	Number of Communication Strategies That Include Access Management	Percent
Canfor	0	0	100.0%
BCTS	0	0	100.0%
TOTAL	0	0	100.0%

Source: Signatory communication records

Measure Discussion:

Indicator 2-3 | Measure 2-3.1 Regeneration Delay

Measure Statement	Target and Variance
Percent of harvested cutblocks declared stocked prior to the regeneration date consistent with operational plans	Target: 100% Variance: <5%

Regeneration delay is defined in this SFM plan as the time allowed in a prescription between the start of harvesting in the area and the earliest date by which the prescription requires a minimum number of acceptable, well-spaced trees per hectare to be growing in that area. There is a maximum permissible time allowed and comes from standards developed and/or approved by government. The regeneration delay period is usually within two years, where planting is prescribed and five years where the stand is expected to reforest naturally. Ensuring that all harvested stands meet the prescribed regeneration delay date within the specified time frame is an indication that the harvested area has maintained the ability to recover from a disturbance, thereby maintaining its resiliency and productive capacity. It also helps to ensure that a productive stand of trees is beginning to grow for use in future rotations. A regeneration survey is completed after planting to ensure adequate stocking of harvested blocks. The current status of this measure was derived from a review of signatories' records for the reporting period.

Table 30: Cutblock compliance to meeting the required regeneration delay date

Signatory	Area Required to Meet Regeneration Date During Period	Area Meeting Regeneration Date	% in DFA
Canfor	3926.2	3926.2	100.0%
BCTS	683.4	683.4	100.0%
TOTAL	4609.6	4609.6	100.0%

Source: Genus

Measure Discussion:

Indicator 2-3 | Measure 2-3.2 Free Growing

Measure Statement	Target and Variance
Percent of harvested cutblocks declared free growing prior to the late free growing date consistent with operational plans.	Target: 100% Variance: <5%

A free growing stand is defined in this SFM plan as a stand of healthy trees of a commercially valuable species, the growth of which is not impeded by competition from plants, shrubs or other trees. The free growing status is somewhat dependent on the regeneration delay date of a forest stand and could be considered the next reporting phase. A free growing assessment is conducted on stands based on a time frame indicated in operational plans. The late free growing dates are established based on the biogeoclimatic classification of the site and the tree species prescribed for planting after harvest.

In order to fulfill mandates outlined in legislation, standards are set for establishing a crop of trees that will encourage maximum productivity of the forest resource (BC MOF 1995b). The free growing survey assesses

the fulfillment of a Licensee's obligations to the Crown for reforestation and helps to ensure that the productive capacity of the forest land base to grow trees is maintained. Continued ecosystem productivity is ensured through the principle of free growing. This measure illustrates the percentage of harvested blocks that meet free growing obligations across the DFA.

Table 31: Cutblock compliance to meeting the required late free growing date

Signatory	Area Required to Meet Late Free Growing Date During Period	Area Meeting Late Free Growing Date	% in DFA
Canfor	1898.6	1898.6	100.0%
BCTS	575.6	575.6	100.0%
TOTAL	2474.2	2474.2	100.0%

Source: Genus

Measure Discussion:

Indicator 2-3 | Measure 2-3.3 Stocking and Species Composition

Measure Statement	Target and Variance
Percent compliance with stocking levels and species composition requirements contained in operational plans.	Target: 100% Variance: <5%

Regeneration standards exist to ensure that appropriate species are reforested on harvested areas to within acceptable numbers. The Ministry of Forests sets out what species are preferred and acceptable for specific biogeoclimatic site series. Natural ingress of species that are not preferred or acceptable may occur. The stocking standard is linked to AAC calculations in terms of meeting the desired density and species composition of future stands. Once harvested, each cutblock is surveyed to ensure reforestation has occurred and that the stand is fully stocked with acceptable species. The results of all surveys are maintained in the signatories' respective databases. If a survey indicates that the stand has not regenerated successfully, corrective actions will be prescribed immediately in order to remedy the situation while still meeting regeneration delay deadlines. This information is also tracked in the signatories' respective databases.

Table 32: Percent compliance with stocking and species composition in harvested areas within the DFA

Signatory	Area Reforested During Period	Area Compliant With Stocking Levels and Species Composition Requirements	% in DFA
Canfor	2457.5	2457.5	100%
BCTS	1829.2	1829.2	100%
TOTAL	4286.7	4286.7	100%

Source: Genus

Measure Discussion:

Indicator 2-4 | Measure 2-4.1 Terrain Management Effectiveness

See Measure 2-1.3

Indicator 2-5 | Measure 2-5.1 Accidental Fires

Measure Statement	Target and Variance
Number of hectares (area) damaged by accidental forestry-related industrial fires.	Target: <100 ha. Variance: +5 ha.

This measure calculates the number of hectares lost to industrial forest fires. As fire can result in catastrophic losses to the timber supply, wildlife, and private property, a high value has been placed on reducing the impact of these fires in the DFA. Accidental industrial fires can be caused by various sources, including escapes from the use of prescribed fire (e.g. burning slash piles) or from human induced error (e.g. machinery, cigarette smoking, etc.).

Industrial fires are usually brought under control quickly due to the availability of firefighting equipment and the signatories Fire Preparedness Plans. In contrast, naturally caused fires have the potential to quickly grow in size before fire control efforts can be undertaken. However the area and extent of accidental industrial fires must be minimized throughout the DFA in order to contribute to the overall health of the forest and long-term sustainability of the resource.

Table 33: Area of accidental fires within the DFA

Signatory	Number of Accidental Forestry Related Industrial Fires	Total Hectares Damaged	Area in DFA
Canfor	0	0	0
BCTS	0	0	0
TOTAL	0	0	0

Source:

Measure Discussion:

Indicator 2-5 | Measure 2-5.2 Risk Factor Management

Measure Statement	Target and Variance
Percentage of identified risk factors with updated management strategies.	Target: 100%. Variance: 0%.

Natural disturbance levels due to biotic and abiotic factors and associated risk levels are managed for resistance to catastrophic change and to ensure that the ability to recover on the landscape level is sustained. It is important to ensure that effective management strategies are in place in order to address the impacts of forest health factors on the range of forest related values in the DFA. Currently an annual Forest Health Strategy and Tactical Plan ([BC MoFR, 2006](#)) is produced by the Ministry of Forest and Range in conjunction with major licensees and BCTS. Although the Plan identifies 26 risk factors, strategies are focused on mountain pine beetle and spruce bark beetles. Management strategies have also been developed through the Pine Stem Rust Working Group for western gall rust, stalactiform blister rust, and commandra blister rust. Signatories also have management strategies in place for such abiotic factors as windthrow, fire (fire preparedness plans), and landslides (terrain stability requirements, see Measure 2-1.3). Of the 26 risk factors identified, management strategies have been developed for 13.

Table 34: Percent of risk factors with updated management strategies in the DFA

Signatory	Number of Identified Risk Factors	Number of Identified Risk Factors with Updated Management Strategies	% in DFA
All	26	13	50.0%
TOTAL	26	13	50.0%

Source: Mackenzie TSA Forest Health Strategic Plan

Measure Discussion:

What Happened?	BCTS Rationale Why (Root Cause)?	Action Plan
Only 13 of the 26 identified risk factors have management strategies.	In the Ministry of forests annual Forest Health Strategy and Tactical Plan, only the ranked risk factors (13) are identified as a priority for management. The remainder are classed as not ranked, or considered a lower priority at this time.	Propose to the PAG to revise the indicator statement to the following: <i>“Percentage of ranked risk factors with corresponding forest health management strategies identified”.</i> This will focus the management strategy efforts on the highest priority forest health factors within the DFA.

Indicator 3-1 | Measure 3-1.1

See Measure 2-2.1

Site conversion

Indicator 3-1 | Measure 3-1.2

See Measure 1-2.2

Coarse Woody Debris

Indicator 3-1 | Measure 3-1.3

See Measure 2-3.1

Regeneration Delay

Indicator 3-1 | Measure 3-1.4

See Measure 2-3.2

Free Growing

Indicator 3-1 | Measure 3-1.5 Stocking and Species Composition

See Measure 2-2.3

Indicator 3-1 | Measure 3-1.1 Site conversion

See Measure 2-2.1

Indicator 3-1 | Measure 3-1.6 Soil Conservation Effectiveness

See Measure 2-1.2

Indicator 3-2 | Measure 3-2.1 Site conversion

See Measure 2-2.1

Indicator 3-2 | Measure 3-2.2 Stocking and Species Composition

See Measure 2-3.3

Indicator 3-2 | Measure 3-2.3 Regeneration Delay

See Measure 2-3.1

Indicator 3-2 | Measure 3-2.4 Free Growing

See Measure 2-3.2

Indicator 4-1 | Measure 4-1.1 Harvest volumes

Measure Statement	Target and Variance
Actual harvest volume compared to the apportionment across the DFA over each 5-year cut control period.	Target: ≤100%. Variance: +/- 10%.

To be considered sustainable, harvesting a renewable resource such as timber cannot deteriorate the resource on an ecological, economic or social basis. It is expected that certain resource values and uses will be incompatible; however, a natural resource is considered sustainable when there is a balance between the various components of sustainability. During Allowable Annual Cut (AAC) determination, various considerations are examined including the long term sustainable harvest of the timber resource, community stability, wildlife use, recreation use, and the productivity of the DFA. The AAC is generally determined every five years by the Chief Forester of British Columbia, using a number of forecasts to assess the many resource values that need to be managed. On behalf of the Crown, the Chief Forester makes an independent determination of the rate of harvest that is considered sustainable for a particular Timber Supply Area (TSA). The Mackenzie DFA is part of the larger Mackenzie TSA, comprising about 42% of the TSA area.

The harvest level for a TSA must be met within thresholds that are established by the Crown. By following the AAC determination, the rate of harvest is consistent with what is considered by the province to be sustainable ecologically, economically and socially within the DFA. As stated above, the Chief Forester makes a determination of the rate of harvest for a particular TSA. The licensee then by law must achieve the AAC within the specified thresholds. In the case of BC Timber Sales, they are mandated to offer timber sale licenses matching the allocated AAC. Each truckload of wood is assessed and accounted for at an approved Ministry of Forests and Range (MOFR) scale site. The MOFR uses this information to apply a stumpage rate to the wood, and monitors the volume of wood harvested and compares it to the AAC thresholds. BC Timber Sales tracks volume for timber sale licenses issued based on volume cruised, and compares this to its AAC allocation. Canfor tracks the scaled volume of wood harvested.

Table 35: Harvest levels relative to AAC apportionment / Sales Schedule volume in the DFA

Signatory	5 year volume apportioned	Actual volume cut in cut control period	Years into cut control	Percent of 5 year cut control
Canfor	5,414,520	86,369	1	1.6%

BCTS	3,594,430	831,260	2	23.1%
TOTAL	9,008,950	917,629	N/A	N/A

Source:

Measure Discussion:

Indicator 4-1 | Measure 4-1.2 Waste and Residue

Measure Statement	Target and Variance
Percent compliance with waste and residue standards.	Target: 100%. Variance: ≤ 5%.

The purpose of this measure is to ensure that the use of wood fiber is maximized given reasonable consideration of fiber quality and milling efficiency, Government has set targets on allowable waste and residue for forest harvesting operations. This measure simply allows us to monitor compliance with already established standard targets under the assumption that these targets adequately minimize any loss of economic potential from undue waste and residue of wood fiber.

Table 36: Percent compliance with Waste and Residue standards in the DFA

Signatory	Number of blocks harvested	Number of Blocks Compliant with Waste and Residue Standards	% in DFA
Canfor	0	0	0
BCTS	5	5	100%
TOTAL	5	5	100%

Source: Waste and residue surveys

Measure Discussion:

Indicator 4-2 | Measure 4-2.1 Wood Purchases

Measure Statement	Target and Variance
Canfor to provide opportunities to purchase wood from private enterprises.	Target: Opportunity exists Variance: 0%

This measure is intended to address the ability of small businesses to sell wood in the DFA. Ensuring that businesses can sell their wood in the DFA provides a measure of economic diversification. It also ensures that timber harvested within the DFA has the opportunity to be processed within the DFA, providing further economic benefit. This measure applies only to Canfor log purchases from private enterprises.

Table 37: Summary of Canfor log purchases from private enterprises

Purchaser	Vendor Group	Volume Purchased (m3)
Canfor	BCTS	0
	Woodlots	0
	NRFL holders	0
	Salvage Sales	0
	Private	0
	Other	0
TOTAL		0

Source:

Measure Discussion:

Indicator 4-2 | Measure 4-2.2 First-Order Wood Products

Measure Statement	Target and Variance
The number of first-order wood products produced from trees harvested	Target: 5

from the DFA.	Variance: -2
---------------	--------------

This measure helps to show how forest management activities can contribute to a diversified local economy based on the range of products produced at the local level. Forest management's contribution to multiple benefits to society is evident through this measure, as well as an indication of the level of diversification in the local economy. First order wood products are often used to supply value-added manufacturers with raw materials for production, such as pre-fabricated houses components. These provisions help to maintain the stability and sustainability of socio-economic factors within the DFA. By ensuring a large portion of the volume of timber harvested in the DFA is processed into a variety of products at local facilities, the local economy will remain stable, diverse, and resilient.

Table 38: Summary of First-Order wood products produced from trees harvested within the DFA

Signatory	Raw logs	House logs	Lumber	Custom cut lumber	Trim Blocks	Pulp chips	OSB strands	Hog	Wood shavings	Plywood	Veneer	Pole Logs	Railway tie logs	Sawdust	Instruments	Finger joint	Total
Canfor	0	0	1	0	1	1	0	1	0	0	0	0	0	1	0	0	5
BCTS	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TOTAL	1	0	1	0	1	1	0	1	0	0	0	0	0	1	0	0	6

Source:

Measure Discussion:

Indicator 4-2 | Measure 4-2.3 Local Investment

Measure Statement	Target and Variance
The percent of money spent on forest operations and management on the DFA provided from the northern central interior (NCI) suppliers (stumpage not included).	Report out on

Forests provide many ecological benefits but they also provide substantial socio-economic benefits. In order to have sustainable socio-economic conditions for local communities associated with the DFA, local forest related businesses should be able to benefit from the work that is required in the management of the DFA.

Furthermore, for small forestry companies to contribute to and invest in the local economy there must be assurances that there will be a consistent flow of work. In the same way that larger licensees depend on a secure flow of resources to justify investment in an area, small businesses depend on a sustained flow of opportunities to develop and invest in the local community.

The north central interior is defined in this SFMP as the region that includes communities from 100 Mile House to Fort St. John (south to north) and from Smithers to McBride (west to east). The total dollar value of goods and services considered to be local will be calculated relative to the total dollar value of all goods and services used. This calculation will be used to derive the percentage of money spent on forest operations and management of the DFA from suppliers in north central BC.

Table 39: Percent of money spent in the NCI

Signatory	Money Spent On Forest Operations/Management	Money Spent in NCI	% in DFA
Canfor	\$2,741,501.00	\$2,741,501.00	100%
BCTS	\$4,614,855.45	\$3,709,227.12	80.4%
TOTAL	\$7,356,356.45	\$6,450,728.12	87.7%

Source: Signatory accounting records

Measure Discussion:

Indicator 4-2 | Measure 4-2.4 Support of Public Initiatives

Measure Statement	Target and Variance
The number of support opportunities provided to the public (stakeholders, residents, and interested parties)	Report out on

This measure was considered by the PAG to be an appropriate index of the more general economic benefits received by local people from the forest industry and the sustainability of those benefits. Generally, we assume - the greater the industry is able to create opportunities for the public; the healthier the local economy is as a result of sustainable forestry.

Table 40: Support Opportunities Provided

Signatory	Support Opportunities					Total for DFA
	Lumber donations	Scholarships	Community events			
Canfor	\$6750.00	\$2000.00	\$2500.00	-	-	
BCTS	0	0	0	0	0	
TOTAL	\$6750.00	\$2000.00	\$2500.00	0	0	\$11,250.00

Source: N/A

Measure Discussion:

Indicator 4-2 | Measure 4-2.5 Support of Environmental Projects

Measure Statement	Target and Variance
Report out on the amount of money directed towards environmental projects.	Report out on

Project that focus on testing, monitoring, or general inventory of environmental factors are often fraught with a lack of tangible economic return. Rather most benefit from these projects is tangible in non-economic measures and for this reason, most environmental projects require support funding from a wide variety of sources. We used this measure to reflect the magnitude of support for these projects from the forest industry under the assumption that environmental information will directly contribute toward forest stewardship, toward forest sustainability, and therefore, economic stability. Most of the money directed towards environmental projects, as defined below in "Monitoring and Reporting", is funded through provincial programs such as the Forest Investment Account (FIA), Forest Sciences Program (FSP), or Forest Innovation Investment (FII). These funds are provided to eligible recipients to complete a variety of activities. Although there are guidelines on what activities may be completed, how the money is spent is largely at the discretion of the recipient.

Table 41: Money spent on environmental projects within the DFA

Signatory	Total Dollars Directed to Environmental Projects
Canfor	\$442,141.11
BCTS	\$314,942.93
TOTAL	\$757,084.04

Source: Signatory accounting and contract records

Measure Discussion:

Indicator 4-3 | Measure 4-3.1 Taxes

Measure Statement	Target and Variance
Municipal Taxes paid to governments.	Target: 100% Variance: 0%

Payment of taxes (including Federal, Provincial, and local government taxes) by the signatories is a quantifiable indicator of how the public is receiving a portion of the economic benefits derived from forests. It is important to note that the signatories do not control how municipal and other taxes are spent and whether the public within the DFA receives these benefits or not. However, it should be assumed that a portion of the monies received from taxes will be returned to communities within the DFA. The DFA's forests provide many ecological benefits

and they also provide significant socio-economic benefits. In order to ensure sustainable socio-economic conditions will continue for local communities associated with the DFA, all taxes will be paid on time.

Landowners are invoiced for municipal taxes on an annual basis. The invoice is directed to its accounting and payroll departments for immediate processing. The signatories' respective accounting and payroll departments also track all provincial sales taxes and federal Goods and Services taxes received and expended and provide money owing to the governments on a monthly basis. Business tax forms are filed annually and business taxes are paid as an annual lump sum or in quarterly installments.

Table 42: Taxes paid within the DFA

Signatory	Taxes Owed	Taxes Paid	% in DFA
Canfor	\$641,153.13	\$641,153.13	100%
BCTS	\$0.00	\$0.00	N/A
TOTAL	\$641,153.13	\$641,153.13	100%

Source: Signatory accounting records

Measure Discussion: BCTS, as a division of the provincial government is GST exempt and is not subject to corporate taxes. In addition, BCTS does not own property but leases property for its offices and therefore does not control payment of taxes by the owner.

Indicator 4-3 | Measure 4-3.2 Stumpage

Measure Statement	Target and Variance
Stumpage Paid to Government	Target: 100% Variance: 0%

The payment of stumpage owing on the timber harvested by Licensees is a quantifiable measure of how the public in the Mackenzie DFA is receiving a portion of the economic benefits derived from forests. It is important to note that Licensees do not control how stumpage royalties are spent across the province or whether the public receives benefits from stumpage or not. However, it should be assumed that a portion of the royalties received from stumpage would be returned to communities within the DFA.

Forests provide many ecological benefits to areas that surround them and also generate significant socioeconomic benefits. In order to ensure continual sustainable socio-economic conditions for local DFA communities, all stumpage billings will be paid on time.

Table 43: Stumpage paid to government within the DFA

Canfor	Stumpage Owed	Stumpage Paid	% in DFA
Quota Wood	\$973,051.56	\$973,051.56	100%
Purchase Wood	\$1,521,591.24	\$1,521,591.24	100%
TOTAL	\$2,494,642.80	\$2,494,642.80	100%

Source: Signatory accounting records

Measure Discussion: Each month, the provincial government invoices the Licensees for stumpage. For Canfor this invoice is directed to the accounting and payroll departments for immediate processing. BCTS does not have direct control of payments of stumpage from tenures issued by the Timber Sales Manager.

Indicator 4-4 | Measure 4-4.1 Support to First Nations

Measure Statement	Target and Variance
The number of support opportunities provided to First Nations with treaty area and/or asserted traditional territory within the DFA.	Report out on

This measure indicates how the Steering Committee member companies provide economic and social benefits to First Nations over and above wages, taxes and stumpage fees through donations and involvement in local First Nations communities. Types of support opportunities within the DFA vary from providing personnel, equipment and/or facilities, to providing cash and product donations. This measure is an important component of a community's economic and social stability, but it is also difficult to quantify as support opportunities often go

unrecorded. Support opportunities help to increase awareness of sustainable forest management and its role within the DFA. This can indirectly lead to building a strong community and creating a viable labour force.

Table 44: Support opportunities for First Nations within the DFA

Signatory		Support Opportunities						Total for DFA
		Cash Donations	Product Donations	Resource or Worker Donations	Community/ cultural support and donation	Capacity building	Training/ education	
Canfor	Number	0	0	0	0	0	0	
	Value							
BCTS	Number	0	0	0	0	0	0	
	Value							
TOTAL		0	0	0	0	0	0	

Source:

Measure Discussion: BCTS as a division of government does not have a mandate to expend taxpayer dollars. BCTS revenues contribute to general revenue and are allocated to the ministry allocations at the direction of cabinet.

Indicator 4-4 | Measure 4-4.2 Contract Opportunities to First Nations

Measure Statement	Target and Variance
The number of contract opportunities provided to First Nations with treaty area and/or asserted traditional territory within the DFA.	Report out on

This measure is intended to monitor the impacts of forest industry and government activities on the ability of First Nations to access forestry related economic opportunities. At present, this measure is not intended to assess how successful First Nations are at taking advantage of the opportunities.

Table 45: Contract opportunities for First Nations within the DFA

Signatory	Contract Opportunities							Total for DFA
	Employment	Road Building	Other Volume Purchased	Logging	Silviculture Forestry	Other Contracts	Management Services	
Canfor	0	0	0	3	2	0	0	5
BCTS	0	9	0	18	3	5	0	35
TOTAL	0	9	0	21	5	5	0	40

Source: Signatory contract records

Measure Discussion: Canfor has explored forestry related opportunities with First Nations in the past. Capacity amongst the First Nations to take advantage of opportunities will likely have to be addressed in order for available opportunities to be acted upon. This measure tracks the existence of opportunities available. BCTS provides opportunities for all eligible bidders including First Nations.

Indicator 4-4 | Measure 4-4.3 Value of Transactions to First Nations

Measure Statement	Target and Variance
The total value of transactions undertaken with First Nations with treaty area and/or asserted traditional territory within the DFA.	Report out on

With this measure we intend to monitor the impacts of forest industry and government activities on the ability of First Nations to access forestry related economic opportunities. At present, this measure is not intended to assess how successful First Nations are at taking advantage of the opportunities.

Table 46: Total value of transactions with First Nations within the DFA

Transaction Type	Signatory		Total in DFA (\$)
	Canfor (\$)	BCTS (\$)	
Employment	\$0.00	\$0.00	\$0.00
Road Building	\$0.00	\$0.00	\$0.00
Volume Purchased	\$0.00	\$0.00	\$0.00
Community Cultural Support and Donation	\$0.00	\$0.00	\$0.00
Logging	\$1,548,176.60	\$2,917,113.00	\$4,465,289.60
Silviculture / Forestry	\$46,132.40	\$0.00	\$46,132.40
Capacity Building	\$0.00	\$0.00	\$0.00
Other Contracts	\$0.00	\$0.00	\$0.00
Purchases	\$0.00	\$0.00	\$0.00
Education / Training	\$0.00	\$0.00	\$0.00
Management Services	\$0.00	\$0.00	\$0.00
Total	\$1,594,309.00	\$2,917,113.00	\$4,511,422.00

Source: Signatory accounting records

Measure Discussion: Canfor has explored forestry related opportunities with First Nations in the past. Capacity amongst the First Nations to take advantage of opportunities will likely have to be addressed in order for available opportunities to be acted upon. This measure tracks the existence of opportunities available. BCTS provides opportunities for all eligible bidders including First Nations.

Indicator 4-5 | Measure 4-5.1 Competitive Sale of Timber

Measure Statement	Target and Variance
The percentage of DFA volume advertised for sale through open competitive bid.	Target: 40% Variance: -5%

Most of the timber harvested in the DFA is collectively cut under major licenses held by Forest Licensees. However, a percentage of the annual volume cut is advertised for sale through open competitive bid. This volume is sold by the Crown through BC Timber Sales (BCTS). BCTS develops and sells publicly owned timber to establish market prices and optimize net revenue to the Crown. Reliant on the highest bid, BCTS sells units of timber across the DFA to a variety of customers, including sawmill operators, small-scale loggers, and timber processors. In addition to helping establish market prices and providing revenue to the Crown, BCTS provides the opportunity for customers to purchase timber in a competitive and open market. In this way people who might not have access to Crown timber have an opportunity to purchase it in an equitable manner.

The measure will evaluate the volume of timber advertised for sale through open competitive bid. This process contributes to the social and economic aspects of SFM by creating opportunities for forest sector employment, and by providing revenue to the Crown that reinvests the money back into the DFA through government programs and institutions. Tracking the measure will ensure that the volume of timber offered for sale in this manner is sufficient to meet the goals of sustainable forest management.

Table 47: DFA related volume advertised as competitive bid

Signatory	Total annual volume apportioned (m3)	Volume Advertised For Sale Through Open Competitive Bid (m3)	% in DFA
Canfor	1,082,904		
BCTS	718,886	954,746	
Non-signatory	0	0	
TOTAL	1,801,790	954,746	53.0%

Source:

Measure Discussion: Canfor is exempt from the requirements of this measure.

Indicator 4-5 | Measure 4-5.2 Primary Milling Facilities

Measure Statement	Target and Variance
A competitive primary milling facility is sustained.	Target: ≥2 Variance: 0

The existence of a forest industry primary processing facility can have a stabilizing affect on the economy of a DFA. A primary processing facility attracts other businesses and provides revenue to all level of government. The economic sustainability of many parts of BC, including Mackenzie depends in part on a competitive primary processing facility.

Table 48: Number of primary milling facilities maintained in the DFA.

Signatory	Number of primary milling facilities
Canfor	1
TOTAL	1

Source: Self evident

Measure Discussion: BCTS is exempt from the requirements of this measure.

Indicator 4-6 | Measure 4-6.1 Risk Factor Management

See Measure 2-5.2

Indicator 4-6 | Measure 4-6.2 Forest Stand Damaging Agents

Measure Statement	Target and Variance
Areas with stand damaging agents will be prioritized for treatment.	Target: 100% Variance: -10%

Damaging agents are considered to be biotic and abiotic factors (fire, wind, insects etc.) that reduce the net value of commercial timber. To reduce losses to timber value it is necessary to ensure that if commercially viable timber is affected by damaging agents, that the timber is recovered before its value deteriorates. At the time of this SFMP's preparation, the most serious stand damaging agent in the Mackenzie DFA is the Mountain Pine Bark Beetle, which has killed millions of mature, commercially viable lodgepole pine. Prioritizing infested stands for treatment can contribute to sustainable forest management in several ways. Removing infested trees can slow the spread of beetles to adjacent uninfested stands and allow Licensees to utilize trees before they deteriorate. Also, once harvesting is complete the area can be replanted, turning an area that would have released carbon through the decomposition of dead trees into the carbon sink of a young plantation.

It should be noted that prioritizing a stand for treatment might not guarantee the stand would be treated. The size of the stand, the threat the agent poses, the location, and the merchantability of the timber all have to be considered when prioritizing which stands will be treated first. Some stands may have such a low priority that the only "treatment" is to monitor the area until such a point when more active operations are deemed necessary. Treating areas with stand damaging agents will provide other societal benefits. Burned and diseased killed stands may be aesthetically displeasing, and their harvesting and reforestation will create a more pleasing landscape. Windthrown stands restrict recreational use and can foster the growth of insect pests such as the spruce bark beetle. Thus, prioritizing areas with stand damaging agents for treatment will help to maintain a more stable forest economy and achieve social benefits through enhanced aesthetics and recreational opportunities.

Table 49: Forest Stand Damaging Agents within the DFA

Signatory	Total area of cut blocks Harvested (ha)	Area of cut blocks harvested that are a priority to harvest for stand damaging agents	% in DFA
Canfor	0	0	100%
BCTS	699.8	699.8	100%
TOTAL	699.8	699.8	100%

Source:

Measure Discussion: Canfor and BCTS target damaged stands in a similar manner. Each year the volume of damaged timber is assessed within the DFA. Of this volume, licensees prioritize planning and harvesting activities based on levels of attack, stage of attack, wood quality and milling capacity/needs. This measure

reports out on the Licensees' and BCTS' success in ensuring blocks with stand damaging agents have been assessed and have been prioritized for treatment if required and thereby minimizing value losses.

Indicator 4-6 | Measure 4-6.3 Accidental Fires

See Measure 2-5.1

Indicator 5-1 | Measure 5-1.1 Non-timber Benefits

Measure Statement	Target and Variance
List of existing and documented potential for marketed non-timber benefits.	Report out on

The measures of this indicator will highlight trends in the marketed non-timber economic benefits from local forests and assist in developing strategies for sustaining these benefits over time, within the limitations of the signatories' current forest management activities. The goal for the signatories is to not degrade the current or future potential for marketed non-timber benefits as a result of forest management activities and that they contribute to improving the potential, where possible. The term "marketed" implies that the non-timber forest resource is available for a viable business and information on it is readily accessible. The term "benefit" implies an economic benefit.

The list for this measure will establish a baseline that the signatories can use when developing management strategies. These management strategies will ensure that the signatories are not degrading current or potential marketed non-timber benefits.

Table 50: Non-timber benefits within the DFA

List of Marketed Non-Timber Benefits Developed	Reported
All	2008-10-01

Source: N/A

Measure Discussion: Presentation of a preliminary list of potential non-timber benefits will be presented to PAG at the fall 2008 meeting. Forecasting for this measure entails that the report will exist on or before June 30, 2007. Now that it is in place, this measure will no longer be needed and will be removed from the SFMP

Indicator 5-1 | Measure 5-1.2 SFM Implications of Non-timber values

Measure Statement	Target and Variance
Description of potential implications of SFM practices on the amount and quality of marketed non-timber values.	Report out on

This measure will highlight the potential effects of implementing SFM practices on the quantity and quality of marketed non-timber economic benefits from local forests. This measure takes the information provided from measure 5-1.1 and places it within the continuous improvement/adaptive management framework of the SFM Plan by identifying how forest management under the SFM Plan may impact non-timber economic benefits. The information derived will then be used in consultation with stakeholders in determining what, if any, changes may be required to current strategies and the potential trade-offs involved. The goal for the signatories is to not degrade the current or future potential for marketed non-timber benefits as a result of forest management activities and that they contribute to improving the potential, where possible.

Table 51: SFM implications on Non-timber values within the DFA

Existing Marketed Non-timber Value	SFM Implications
All	2008-10-01

Source: N/A

Measure Discussion: Presentation of a preliminary list of potential non-timber benefits and the potential impacts of forest management activities will be presented to PAG at the fall 2008 meeting. Description of SFM implications requires that a list of marketed non-timber benefits be developed. As per Measure 5-1.1, a description of implications is to be developed on or before June 30, 2007. Now that it is in place, this measure will no longer be needed and will be removed from the SFMP

Indicator 5-1 | Measure 5-1.3 Range Management Effectiveness

Measure Statement	Target and Variance
The percentage of forest operations consistent with range requirements as identified in operational plans and/or site plans.	Target: 100% Variance: 0%

Range resources can include grazing or hay cutting permits, or areas with potential for these ventures. Range managers and forest managers share the forest for their particular purposes, and must work cooperatively in order to achieve sustainable development and management of its resources. The measure is designed to ensure that operational plans with identified range requirements have those requirements implemented on the ground. Maintenance of range resources is an important aspect of sustainable forest management because it contributes to the social and economic needs of people who traditionally and currently use the DFA for purposes other than forestry. This measure will help to ensure that various range values are conserved for current and future generations.

Table 52: Forest Operations consistency with Range requirements

Signatory	Total Number of Forest Operations with Range Requirements				Number of Forest Operations Consistent With Requirements	Percent
	Roads	Harvesting	Silviculture	Total		
Canfor	0	0	0	0	0	100.0%
BCTS	0	0	0	0	0	100.0%
TOTAL	0	0	0	0	0	100.0%

Source: Signatory operational plans

Measure Discussion:

Indicator 6-1 | Measure 6-1.1 Employment

Measure Statement	Target and Variance
Employment supported by each sector of the local economy (actual and percentage of total employment).	Report out on

Although the forest industry cannot directly control the diversity of the economy for the community in which it operates, understanding the impact of that diversity is an important component of SFM. If the community is not economically diverse, it will not be resilient to economic shocks. Services could decline and thus skilled workers and their families may move to more stable areas. As important economic players, the signatories can potentially influence local policies that would encourage economic diversity in their communities.

Table 53: Employment within the DFA

Employment Sector	Number Employed	Percent
Forestry	2022	66.9%
Mining and processing	12	0.4%
Fishing and Trapping	15	0.5%
Agriculture and Food	23	0.8%
Tourism	261	8.6%
High Tech.	17	0.6%
Public Sector	576	19.1%
Construction	50	1.7%
Other	45	1.5%
TOTAL	3021	

Source: BC Stats

Measure Discussion: The Table above reflects the labour force profile in the Mackenzie TSA using 2001 Employment Estimates by Sector. The data was derived from "2001 Economic Dependency Tables for Forest Districts" available at http://www.bcstats.gov.bc.ca/pubs/econ_dep/tab_fd.pdf. This information will be updated with the latest census information from Statistics Canada.

Indicator 6-1 | Measure 6-1.2 Income

Measure Statement	Target and Variance
Contribution of income sources from each sector of the local economy (actual and percentage of total income).	Report out on

This measure is directly related to 6-1.1 and is meant to measure the contribution of income sources as part of the economic benefit derived from each sector of the local economy. This information can be used to analyze the economic diversity for the DFA.

Table 54: Income within the DFA

Employment Sector	Total Income (millions)	Percent
Forestry	\$97.0	80.4%
Mining and processing	\$0.2	0.2%
Fishing and Trapping	\$0.0	0.0%
Agriculture and Food	\$0.0	0.0%
Tourism	\$4.7	3.9%
High Tech.	\$0.0	0.0%
Public Sector	\$16.9	14.0%
Construction	\$1.5	1.2%
Other	\$0.4	0.3%
TOTAL	\$120.7	

Source: BC Stats

Measure Discussion: The table above indicates the current income estimates for the Mackenzie TSA from BC Stats. This information will be updated with the latest census information from Statistics Canada.

Indicator 6-1 | Measure 6-1.3 Business Opportunities

Measure Statement	Target and Variance
The number of opportunities given to businesses within or immediately adjacent to the TSA to provide non-tendered services to forest management activities.	Report out on

Woodlands operations of the signatories purchase a wide variety of products and services in order to produce timber and to manage forestry activities. This measure identifies the number of opportunities given to businesses within, or immediately adjacent to the TSA to provide non-tendered services to forest management activities. This measure is important as some goods and services required in forest management are not put up for tender, instead they are directly purchased or awarded. This measure identifies opportunities for the local private sector to secure work and opportunities for direct access to both timber and non-timber benefits. This measure also indirectly looks at the diversity of the local forest employment opportunities associated with forest industry activities. For the purposes of this SFMP, local is defined as those residences or businesses that have mailing addresses within or immediately adjacent (i.e. McLeod Lake) to the TSA.

Table 55: Opportunities for non-tendered services within or adjacent to the TSA

Signatory	Opportunities to Provide Non-Tendered Services		Number in DFA
	Canfor	BCTS	
Logging and hauling	1	0	1
Road construction and maintenance	2	0	2
Silviculture	4	0	4
Operations	3	0	3
Planning and Administration	0	1	1

Miscellaneous Goods/Services	0	11	11
TOTAL	10	12	22

Source: Signatory contract and accounting records

Measure Discussion:

Indicator 6-1 | Measure 6-1.4 First-Order Wood Products

See Measure 4-2.2

Indicator 6-1 | Measure 6-1.5 Support Opportunities

Measure Statement	Target and Variance
The number of support opportunities provided within, or immediately adjacent to the TSA.	Report out on

This measure indicates how economic and social benefits to the public over and above wages, taxes and stumpage fees through donations and involvement in local community organizations are provided. Types of support opportunities within the TSA vary from providing personnel, equipment and/or facilities, to providing cash and product donations. This measure is an important component of a community's economic and social stability, but it is also difficult to quantify as support opportunities often go unrecorded. Support opportunities help to increase awareness of sustainable forest management, its role within the TSA, and the quality of life in the DFA. This can indirectly lead to building a strong community and creating a viable labour force.

Table 56: Number of support opportunities within the DFA

Signatory	Support Opportunities (#)				Total for DFA
	Cash Donations	Product Donations	Resource or Worker Donations	Community Events	
Canfor	\$2500.00	\$6750.00	-	\$2000.00	\$11,250.00
BCTS	N/A	N/A	N/A	N/A	N/A
TOTAL	\$2500.00	\$6750.00	-	\$2000.00	\$11,250.00

Source: Canfor

Measure Discussion: BCTS has no requirement to report out on this measure.

Indicator 7-1 | Measure 7-1.1 List of Affected Parties

Measure Statement	Target and Variance
Implement and update a comprehensive list of stakeholders and affected or interested parties.	Target: annually Variance: none

As forest management recognizes a broader range of forest values, particularly on public land, it is increasingly important that all stakeholders have input into management concerns. The public, through a public participation process, has an opportunity to be involved proactively in the management of a DFA. Effective sustainable forest management planning for public land requires appropriate involvement of stakeholders and the general public in the development and implementation of plans. In order for a public process to be effective, a comprehensive list of affected and interested parties must be considered. A Stakeholder Analysis ensures that all the interests in a defined area of forest are considered. A stakeholder analysis provides the structured, explicit identification of human uses and interests in a particular management unit. By identifying the organizations and individuals associated with those uses and interests it allows a fresh, transparent assessment of the stakeholders who should be included in these processes. This measure ensures that an objective and transparent identification of a wide variety of stakeholders' interests exists. It also helps define appropriate public input processes for the sustainable forest management plan for the DFA. This measure is directly linked to the subsequent measures listed.

Table 57: Update status of the list of affected parties within the DFA

	List of Stakeholders and Affected or Interested Parties Developed	List Updated				
Date	Jul-03	Aug-03	Jan-06	Mar-08	Mar-09	

Source: SFM Stakeholder contact database

Measure Discussion: Triton Environmental Consultants Ltd. developed a list of stakeholders in July 2003. This list was subsequently updated in August 2003 and again in January 2006. For the Mackenzie DFA, an Excel spreadsheet was created listing all the interests and stakeholders. Contact lists were gathered from a variety of sources, including forest companies, government agency consultation lists, tenure holders listings and other process participant lists, such as LRMP. Groups and stakeholders were categorized according to primary interest, geographic area of interest and previous level of process participation. A FIA funded project to solicit updates to the stakeholder list is to be concluded in March 2008. In March of 2009, BCTS updated all contact information in GENUS and in the communication tracking system (Outlook).

Indicator 7-1 | Measure 7-1.2 SFMP Review (PAG)

Measure Statement	Target and Variance
The number of opportunities for the PAG to review and provide comment on the SFMP.	<u>Target:</u> at least annually <u>Variance:</u> none

This measure is one of a group of measures that will help to increase the overall understanding of SFM. This SFMP and the resulting annual reports will be communicated to the public at least once per year through a public open house and by posting them on a publicly accessed internet site.

Table 58: PAG SFMP review opportunities within the DFA

Opportunities for PAG to Provide Review and Comment.				Total for DFA
Dates Opportunities Provided				
2008-12-12	2008-04-29			2

Source: PAG meeting summaries

Measure Discussion:

Indicator 7-1 | Measure 7-1.3 Meetings (PAG)

Measure Statement	Target and Variance
Number of Public Advisory Group meetings per year.	<u>Target:</u> at least 1 annually <u>Variance:</u> none

The Mackenzie PAG is made up of a diverse set of representatives that have various defined interests, values or specific uses of the forest resource within the DFA. The PAG provided valuable input on the initial development of values, indicators, measures and targets for this SFMP. PAG members helped to identify local issues and values for the Mackenzie DFA for forestry managers to consider during management and planning processes. The PAG will continue to provide guidance, input and evaluation throughout the SFMP process, including all aspects of implementation and continual improvement of the plan over time. This measure provides information regarding how often the PAG will meet on an annual basis.

Table 59: PAG meetings within the DFA

Year	PAG Meeting Dates							Total:
2005-2006	31-Jan-06	14-Feb-06	28-Feb-06	14-Mar-06	28-Mar-06			5
2006-2007	11-Apr-06	25-Apr-06	09-May-06	17-Oct-06	20-Feb-07	28-Mar-07		6
2007-2008	13-Mar-08							1
2008-2009	29-Apr-08	27-May-08	28-Oct-08	21-Jan-09				4

Source: PAG meeting summaries

Measure Discussion:

Indicator 7-1 | Measure 7-1.4 Satisfaction (PAG)

Measure Statement	Target and Variance
The level of satisfaction of the PAG members with the process.	<u>Target:</u> 100% <u>Variance:</u> -20%

The PAG is one of the key elements of public involvement in the SFM process. The Mackenzie PAG provides guidance, input and evaluation during development of the SFMP. It is also instrumental in maintaining links to current local values and forest resource uses within the DFA. Therefore, it is important that the signatories have

a positive and meaningful working relationship with the PAG, where the signatories are able to respond to all issues and concerns the PAG may have during the process. This measure will use an average of the PAG meeting evaluation forms to determine the level of satisfaction of the PAG with the public participation process.

Table 60: PAG satisfaction within the DFA

Mackenzie DFA SFM Plan PAG Meeting Evaluation Question April 1, 2006 - March 31, 2007	Meeting Date	Score	Percent (score / 5)	Variance (from 100%)
Question M12 - Are you satisfied with PAG process	2008-04-29	4.0	80.0%	20.0%
Question M12 - Are you satisfied with PAG process	2009-05-27	5.0	100.0%	0.0%
Question M12 - Are you satisfied with PAG process	2009-10-28	4.2	84.0%	16.0%
Question M12 - Are you satisfied with PAG process	2009-01-21	4.3	86.0%	14.0%
	AVERAGE	4.4	88.0%	12.0%

Source: PAG satisfaction surveys

Measure Discussion: Meeting evaluations will be conducted after each PAG meeting. The results will be made available before or during the next meeting. The average of the summary of the PAG meeting evaluation forms will be used to determine this indicator percent.

Indicator 7-1 | Measure 7-1.5 TOR Review (PAG)

Measure Statement	Target and Variance
Maintain and review at least annually and as required the Mackenzie SFMP PAG TOR to ensure a credible and transparent process.	Target: at least annually Variance: none

This measure indicates that a Terms of Reference document has been developed in consultation with the PAG, and that these Terms of Reference have been accepted for use in all future PAG meetings. The Terms of Reference document is an important part of the public participation component of this SFMP. SFM requires public participation and the PAG Terms of Reference ensure these requirements are met in a credible and transparent fashion. The Terms of Reference document will be reviewed annually unless consensus from the group suggests otherwise.

Table 61: PAG TOR review opportunities within the DFA

Review of ToR				Total for DFA
Meeting Dates				
29-Apr-08	28-Oct-08			2

Source: PAG meeting summaries

Measure Discussion:

Indicator 7-1 | Measure 7-1.6 Satisfaction (Affected Parties)

Measure Statement	Target and Variance
Survey residents, stakeholders, and First Nations regarding their satisfaction with forest management (process and outcomes).	Target: at least every 3 years Variance: none

This measure was developed in order to provide information relating to the level of satisfaction of residents, stakeholders, and First Nations people with forest management activities conducted by the signatories. Satisfaction levels will be determined through the use of a survey, to be conducted every third year, which will be widely distributed to randomly selected households with residents in, or near (eg. McLeod Lake) the DFA. While the signatories recognize the value of the interactions with the public during such activities as the PAG or during planning processes, these interactions are generally with those people that have a specific interest in the forest resource.

Table 62: Satisfaction of affected parties with forest management within the DFA

Dates	Survey of Residents, Stakeholders and First Nations			
	Dates Surveys Reported			
Target	31-Mar-07	31-Mar-10	31-Mar-13	31-Mar-16

Actual	31-Mar-07			
Variance	0			

Source: Survey document

Measure Discussion:

Indicator 7-1 | Measure 7-1.7 Representation (PAG)

Measure Statement	Target and Variance
Percentage of the public sectors as defined in the TOR invited to participate in the PAG process.	Target: 100% Variance: 0%

The Mackenzie PAG is comprised of a variety of representatives that have various defined interests, values or specific uses of the forest resource within the DFA. An important component of the PAG is the representatives from the various public sectors as defined in the Terms of Reference. Their involvement in the PAG process is crucial for the success of the SFMP as they represent a broad range of interests, both commercial and non-commercial, within the DFA. They also possess experience and expertise that the signatories can draw on in achieving the SFMP objectives. Their participation will enhance the co-operation between the forest industry and other parties interested in the management of public lands in the DFA to meet the social, economic, and ecological goals of sustainable forest management.

Table 63: PAG representation within the DFA

Number of sectors with a representative identified	Number of Sectors with no Representative With Invitations on File	Total Number Invited	Number of Public Sectors in Terms of Reference	Percent in DFA
19	5	23	24	95.8%

Source: PAG meeting summaries

Measure Discussion:

What Happened?

PAG representation in all sectors was not realized during the reporting period.

Rationale

Why (Root Cause)?

Of the 23 sectors, an attempt to assign a representative for 1 sector was not realized. This is in part due to the lack of public interest in the SFMP process, coupled with the downturn in the local forest economy.

Action Plan

Propose to the PAG to revise the measure variance to the following:

Variance: -20%

Further to this is a commitment to revise the wording in the TOR so that full sector representation is not required.

Indicator 7-1 | Measure 7-1.8 Communication (PAG)

Measure Statement	Target and Variance
Percentage of PAG satisfaction with the amount and timing of information presented for informed decision making.	Target: 100% Variance: -20%

The PAG is one of the key elements of public involvement in the SFM process. The Mackenzie PAG provides guidance, input and evaluation during development of the SFMP. It is also instrumental in maintaining links to current local values and forest resource uses within the DFA. In order for the PAG to make decisions in regards to the content of the SFMP, such as measures, targets, and levels of responsibility, they must have the information to support those decisions. This information must be sufficient in amount and quality and delivered in a timely manner for the PAG to make sound decisions for the SFMP process. This measure is intended to measure and report the level of satisfaction the PAG has with the amount and timing of information presented for informed decision making. While it is hoped that there will be high satisfaction with the information, it is also acknowledged that with any group of diverse backgrounds and opinions that it is difficult to achieve unanimous satisfaction in any regard. However, if the SFMP is to succeed, the people who are involved in its evolution must have a certain level of satisfaction with the information they are using to direct that development.

Table 64: PAG satisfaction with communication process

**Mackenzie DFA SFM Plan Public Advisory Group Meeting Evaluation Question
April 1, 2006 - March 31, 2007**

Meeting Date	Question MQ 10 – Your overall satisfaction with the amount & timing of information presented?			Question MQ11 – Your overall satisfaction with the information?		
	Score	Percent (score / 5)	Variance (from 100%)	Score	Percent (score / 5)	Variance (from 100%)
2008-04-29	4.4	88.0%	12.0%	3.80	76.0%	24.0%
2009-05-27	4.8	96.0%	4.0%	5.00	100.0%	0.0%
2009-10-28	3.9	78.0%	22.0%	4.00	80.0%	20.0%
2009-01-21	4.5	90.0%	10.0%	4.30	86.0%	14.0%
Average	4.4	88.0%	12.0%	4.3	85.5%	14.5%

Source: PAG satisfaction surveys

Measure Discussion:

Indicator 7-1 | Measure 7-1.9 SFMP consistency with LRMP

Measure Statement	Target and Variance
Report out on consistency of indicators or measures with LRMP objectives.	Report out on

The Mackenzie LRMP represents a substantial effort to balance ecological, economic, and social values within the Mackenzie TSA and stands as a record of consensus among the diverse social structure of the local area. Many of the people who are members of the current PAG also worked long hard hours in developing the LRMP. This measure acknowledges the importance of that work and will be used to gauge the extent to which the SFMP aligns with the objectives developed in the LRMP. The closer the SFMP indicators and measures reflect the resource management objectives of the LRMP, the closer we will be to the same social consensus arrived at through the LRMP.

Table 65: Development and reporting of SFM Indicators and Measures with the LRMP

	Consistency with Indicators Developed and Reported	Consistency with Measures Developed and Reported
Meeting Date	14-Feb-06	21-Jan-09

Source:

Measure Discussion:

Indicator 7-2 | Measure 7-2.1 Concerns (affected parties)

Measure Statement	Target and Variance
The number of opportunities given to the public and stakeholders to express forestry-related concerns and be involved in our planning processes.	Target: 6 Variance: -2

Forestry activities can impact a wide section of the public and individual stakeholders within the DFA. This measure was designed to monitor the signatory's success at providing effective opportunities to residents and stakeholders to express concerns and be proactively involved in the planning process. This involvement may include the identification of areas of interest, definition of the nature of their interest in the land base, and any specific forestry activity that may impact their specific interests. This process ensures that when forestry activities are planned, information is exchanged in an effective and timely manner, so as to resolve potential conflicts before they occur. This process will help to identify the public values, interests and uses of the forest that will be considered within the Mackenzie Licensees' and BCTS' planning framework.

Table 66: Communication opportunities given to the public and stakeholders within the DFA

Opportunity	The Number of Opportunities For Public And Stakeholders			
	Canfor	BCTS	Joint	Total
FSP original ads	0	0	0	0
FSP amendment ads	0	1	0	1
FSP letters to stakeholders	0	198	0	1

PMP original ads	0	0	0	0
PMP letters to stakeholders	0	0	0	0
PMP signage	0	0	0	0
FDP original ads	0	0	0	0
FDP amendment ads	0	0	0	0
FDP letters to stakeholders	0	0	0	0
Field tours	0	0	0	0
Newsletters	0	0	0	0
Open houses	0	0	0	0
PAG Meetings	0	0	4	1
LRMP meetings	0	0	0	0
Documented phone calls	0	14	0	1
Documented meetings	0	5	0	1
TOTAL	0	4	1	5

Source:

Measure Discussion:

Indicator 7-2 | Measure 7-2.3 Response to Concerns

Measure Statement	Target and Variance
The percent of timely responses to written and documented concerns.	Target: 100% Variance: -5%

All signatories solicit feedback for their public forest management plans in the DFA. They also receive ongoing general comments and inquiries regarding practices and management of forest lands. These inquiries represent a public concerned with how forest resources are managed, and as such should receive a timely response by all signatories. This measure has established that a timely response is one that is made within 30 days of written inquiry for public or stakeholder concerns.

Table 67: Timely response to concerns raised by public and stakeholders within the DFA

Signatory	Number of Written and Documented Concerns	Number Responded to in a Timely Manner	Percent
Canfor	0	0	100%
BCTS	15	15	100%
TOTAL	15	15	100%

Source:

Measure Discussion:

Indicator 7-2 | Measure 7-2.4 SFMP availability (affected parties)

Measure Statement	Target and Variance
Distribution/access to SFM Plan, annual reports, and audit results.	Target: 1 annually Variance: 0

With this measure we intend to monitor our effort to ensure effective and comprehensive distribution of the SFMP, annual reports, and audit results for the Mackenzie DFA. In order to gain trust and confidence in the SFMP process, it must be an open and transparent process. By ensuring access to the Plan, annual reports, and audit results, the results of our efforts in achieving sustainable forestry and continuous improvement can be clearly seen and monitored by the public, stakeholders, and First Nations. In this manner, the public, stakeholders and First Nations can hold the signatories accountable for achieving the desired results and have confidence that forest resources are being managed sustainably.

Table 68: SFMP availability within the DFA

Opportunity	The Number of Distribution/Access Opportunities
-------------	---

	Canfor	BCTS	Joint	Total
Newsletters	0	0	0	0
Open houses	0	0	0	0
PAG Meetings	0	0	4	4
Website	1	1	0	1
Documented meetings	0	0	0	0
TOTAL	1	1	4	6

Source:

Measure Discussion:

Indicator 7-2 | Measure 7-2.5 SFMP training (affected parties)

Measure Statement	Target and Variance
The number of SFM educational opportunities and interactions provided.	Target: 2 annually Variance: 0

This measure was designed to monitor the signatories' success at providing training and educational opportunities in sustainable forest management. SFM relies on residents and stakeholders making informed decisions on forest management. To achieve this, it is incumbent on the signatories to ensure the public are sufficiently informed about SFM to make the choices we request of them. The measure is intended to ensure that the signatories provide the required opportunities for residents and stakeholders to learn about SFM. Such opportunities may include field tours, training programs, presentations regarding aspects of SFM, etc.

Table 69: SFMP training opportunities within the DFA

Opportunity	The Number of SFM Educational Opportunities			
	Canfor	BCTS	Joint	Total
Field tours	0	0	0	0
Newsletters	0	0	0	0
Open houses	0	0	0	0
Presentations	0	0	0	0
Press Releases	0	0	0	0
Trade Shows, etc.	0	1	0	1
TOTAL	0	1	0	1

Source:

Measure Discussion:

Indicator 7-2 | Measure 7-2.6 Communication Strategy Effectiveness

Measure Statement	Target and Variance
Percentage of mutually agreed upon communication strategies met.	Target: 100% Variance: <5%

The signatories maintain a list of interested parties that they notify when forestry operations/developments are to occur. These interested parties may be private landowners, lodge operators, trappers, or hunting guides. Strategies have been designed to ensure that information is communicated to these individuals in a timely and efficient manner. This communication considers non-timber users and inhabitants of the DFA and realizes that forestry operations can disrupt lives and businesses. As sustainable forest management includes non-timber values, it is important that the forest industry works with these individuals to minimize impacts and to plan operations that consider their concerns. This measure is intended to calculate the success of meeting communication strategy requirements that are designed to achieve these goals.

Table 70: Effectiveness of communication strategies within the DFA

Signatory	Total Number of Communication Strategies Required	Number of Communication Strategies Completed	Percent
Canfor	0	0	100.0%

BCTS	232	232	100.0%
TOTAL	232	232	100.0%

Source:

Measure Discussion: Canfor initiated efforts to develop communication strategies with various stakeholders during the reporting period however no responses to the inquiries were received. BCTS maintains a strategy for communications with stakeholders for referring out operating plans and forest stewardship plan amendments to relevant stakeholders with overlapping tenures.

Indicator 7-3 | Measure 7-3.1 Adaptive Management

Measure Statement	Target and Variance
Adaptive Management strategy is developed, documented, acted upon, and reviewed.	Target: at least once annually Variance: 0

Adaptive management (AM) is the process by which a commitment to learning is used to adjust management strategies so as to better cope with change while simultaneously seeking to better understand how management goals can be achieved. An adaptive management approach recognizes change as a constant factor. Therefore it is necessary to understand the root causes of what has, and may be changing. To do so requires learning as to how the economic, social and ecological systems are constantly moving through a cycle that involves change and reconfigurations in response to human attempts to manage them. If the system is resilient, then it can absorb a degree of change without a major reconfiguration. The first step is to understand the current state of the systems in terms of their existing resiliency. A desired concept of resiliency is then defined for each system, including an acceptable range of variation. This does not preclude society choosing to undergo a major reconfiguration, or that such a significant change is required in order to get the system to a point where it can be resilient. The concept of resiliency is then used to socially define sustainability across the three systems through an iterative process that considers trade-offs in terms of impacts to system resiliency within selected spatial and temporal scales.

Table 71: Develop, document, act, and review of Adaptive Management strategies within the DFA

Date	Adaptive Management Strategy				Total for DFA
	Developed (Y/N)	Documented (Y/N)	Acted Upon (Y/N)	Reviewed (Y/N)	
27-Nov-08	Y	Y			1
09-Jan-09			Y	Y	
21-Jan-09			Y	Y	
TOTAL	1	1	1	1	

Source:**Measure Discussion:**

Adaptive management has been incorporated into the joint SFMP reporting process. In preparing the annual report Canfor and BCTS review the process and sources of information used to report performance and look for opportunities to improve. The intent of the November 27th LSC meeting was to review SFMP and set direction for the plan. The intent of the January 9th, 2009 LSC meeting was to review the changes required to the plan. During the January 21st, 2009 PAG meeting, the LSC reviewed the possible changes with the PAG and suggested an overall direction for the SFMP.

Indicator 7-3 | Measure 7-3.2 Monitoring Plan

Measure Statement	Target and Variance
Monitoring plan for indicators is developed, documented, acted upon, and reviewed.	Target: at least once annually Variance: 0

As local public advisory groups select indicators and measures of sustainability, credible and cost effective monitoring plans for each are developed. The information gathered during monitoring is used in modeling/forecasting and assists in the development of management scenarios. The monitoring data also allows managers to determine if their management activities are effectively achieving the targets set out in SFM plans, LRMPs, FSPs, etc.

Table 72: Develop, document, act, and review of Monitoring Plans within the DFA

Date	Monitoring Plans				Total for DFA
	Developed (Y/N)	Documented (Y/N)	Acted Upon (Y/N)	Reviewed (Y/N)	
2008-12-12	Y	Y	Y		1
2009-01-21				Y	
TOTAL	1	1	1	1	1

Source: PAG meeting summaries

Measure Discussion:

Indicator 7-3 | Measure 7-3.3 Annual Report

Measure Statement	Target and Variance
Reports and analysis of monitoring information – annual report.	Target: at least once annually Variance: 0

Analysis of the results of status and trend monitoring is an important aspect of adaptive management. It is a component of accountability and allows the public to see how progress is being made in implementing resource management strategies. Analysis of monitoring data will be reported to area resource managers and the public so that changes to the SFM Plan, to practices or to measures can be evaluated. The SFMP Annual Report will provide the reports and discussion on analysis of the measures. The development and use of the SFMP Annual Report will assist with the improving of the measures and improving with SFM in an ongoing basis.

Table 73: SFM Annual Report

Annual Report Dates				
May 27, 2008	October 28, 2008	December 12, 2008	January 21, 2009	

Source: PAG meeting summaries

Measure Discussion: Opportunities to review the annual report at the May 27, October 28, and January 21 PAG meetings, as well as an email sent out on December 12th to all PAG members.

Indicator 8-1 | Measure 8-1.1 Heritage Conservation

Measure Statement	Target and Variance
Percentage of forest operations consistent with the Heritage Conservation Act.	Target: 100% Variance: 0%

The protection of cultural heritage values assures they will be identified, assessed and their record available to future generations. A cultural heritage value is a unique or significant place or feature of social, cultural or spiritual importance. It may be an archaeological site, recreation site or trail, cultural heritage site or trail, historic site or a protected area. Cultural heritage values often incorporate First Nation's heritage and spiritual sites, but they can also involve features protected and valued by non-Aboriginal people. Maintenance of cultural heritage values is an important aspect to sustainable forest management because it contributes to respecting the social and cultural needs of people who traditionally and currently use the DFA for a variety of reasons.

The measure is designed to ensure that operational plans with identified strategies to conserve cultural heritage values have those strategies implemented on the ground. Tracking the level of implementation will allow the signatories to evaluate how successful this implementation is and improve procedures if required.

Table 74: Forest Operations consistency with the Heritage Conservation Act

Signatory	Total Number of Forest Operations that have associated sites protected under the Heritage Conservation Act (pre 1846)				Number of Forest Operations Completed in Accordance with the Heritage Conservation Act	Percent
	Roads	Harvesting	Silviculture	Total		
Canfor	0	0	0	0	0	100.0%

BCTS	0	0	0	0	0	100.0%
TOTAL	0	0	0	0	0	100.0%

Source: Signatory operational plans

Measure Discussion: There were no operations with associated sites protected under the Heritage Conservation Act conducted during the reporting period.

Indicator 8-1 | Measure 8-1.2 TOR Review (First Nations Rights)

Measure Statement	Target and Variance
Maintain and review at least annually and as required the Mackenzie SFMP PAG Terms of Reference to recognize that First Nation participation in the public process will not prejudice First Nations rights and Treaty rights.	<u>Target:</u> At least once annually <u>Variance:</u> none

It is the intent of the signatories to respect all duly established First Nations and Treaty rights. This measure was designed to ensure the PAG Terms of Reference respects First Nations treaty right and participation without prejudice.

Table 75: Review of Public Advisory Group Terms of Reference

Review of ToR and Recognition of Aboriginal and Treaty Rights				Total for DFA
Meeting Dates				
October 28, 2008				1

Source: PAG Meeting Summaries

Measure Discussion:

Indicator 8-2 | Measure 8-2.1 Participation (First Nations)

Measure Statement	Target and Variance
The number of opportunities for First Nations to provide meaningful input into our planning processes.	<u>Target:</u> >= 2 per First Nation <u>Variance:</u> none

This measure was designed to list and report out on all documented opportunities provided to First Nations people to be involved in forest management planning processes. Incorporation of First Nations people and their unique perspective into the forest planning process is an important aspect of SFM. This measure will contribute to respecting the social, cultural and spiritual needs of the people who traditionally and currently use the DFA for the maintenance of traditional aspects of their lifestyle.

Table 76: Opportunities for First Nations to participate in planning processes

Opportunity	Signatory	First Nation								Total
		Tsay Keh	Kwadacha	Takla Lake	Nak'azdli	McLeod Lake	West Moberly	Saulteau	Halfway River	
Open House	Canfor	0	0	0	0	0	0	0	0	0
	BCTS	0	0	0	0	0	0	0	0	0
Scheduled Meetings	Canfor	0	0	0	0	0	0	0	0	0
	BCTS	1	1	0	3	2	1	0	0	8
Letters	Canfor	0	0	0	0	0	0	0	0	0
	BCTS	1	1	1	6	5	5	2	5	26
Newspaper Ads	Canfor	0	0	0	0	0	0	0	0	0
	BCTS	1	1	1	1	1	1	1	1	8
Pest Management Prescriptions	Canfor	0	0	0	0	0	0	0	0	0
	BCTS	0	0	0	0	0	0	0	0	0
Natural Resource Committee	Canfor	0	0	0	0	0	0	0	0	0
	BCTS	0	0	0	0	0	0	0	0	0

TOTAL	3	3	2	10	8	7	3	6	42
--------------	----------	----------	----------	-----------	----------	----------	----------	----------	-----------

Source: Signatory communication records.

Measure Discussion:

Indicator 8-3 | Measure 8-3.1 Concerns (First Nations)

Measure Statement	Target and Variance
Percentage of issues raised by First Nations peoples evaluated and responded to in a timely manner by Canfor and BCTS.	<u>Target:</u> 100% <u>Variance:</u> 10%

Incorporating management strategies into the planning process in order to resolve issues raised by First Nations leadership is a key aspect to sustainable forest management. This measure contributes to respecting the social, cultural heritage and spiritual needs of people who traditionally and currently use the DFA for the maintenance of traditional aspects of their lifestyle.

Table 77: Concerns raised by First Nations and corresponding response from Canfor or BCTS

Signatory	Number of Issues Raised by First Nations' Peoples	Number of Issues Evaluated and Responded to in a Timely Manner	Percent
Canfor	0	0	100%
BCTS	9	8	88.9%
TOTAL	9	8	88.9%

Source: Signatory communication records and operational, tactical, or site plans.

Measure Discussion:

What Happened?	BCTS Rationale Why (Root Cause)?	Action Plan
BCTS response was sent after 30 days.	There was uncertainty around BCTS' ability to engage parties in discussions on issues which appeared to be outside management obligations. Lack of awareness around SFM target. There has been ongoing communication to resolve issue.	Where responses are required to written inquiries, BCTS staff will utilize the tracking and reminder tools in ITS or the Genus Planning Module to record, assign responsibility, and set actions in place to ensure that response are made within the 30 day window.

Indicator 8-3 | Measure 8-3.2 Participation Effectiveness (First Nations)

Measure Statement	Target and Variance
Percentage of issues raised by First Nations' Chief and Council or their authorized representative developed into mutually agreed upon strategies.	<u>Target:</u> 100% <u>Variance:</u> 50%

The intent for this measure is to monitor actual resolution to concerns that arise through measure 8-3.1. In this way, the measure becomes an effectiveness monitoring measure and we make the assumption that more resolution to concerns raised by First Nations contributes to social value in general.

Table 78: The effectiveness of participation with First Nations

Signatory	Number of Issues Raised by First Nations' Chief & Council or Authorized Representatives	Number of Issues Developed Into Mutually Agreed Upon Strategies	Percent
Canfor	0	0	100%
BCTS	9	5	55.6%
TOTAL	9	5	55.6%

Source: Signatory operational, tactical, or site plans.

Measure Discussion:

Indicator 8-4 | Measure 8-4.1 Participation Effectiveness (First Nations)

Measure Statement	Target and Variance
Incorporation of mutually agreed upon strategies to address First Nation peoples' values, knowledge, and uses into SFMP, operational plans, tactical plans, and/or site plans.	<u>Target:</u> 100% <u>Variance:</u> 50%

The development of mutually agreed upon management strategies is only the first step in SFM. Incorporation of those strategies into the SFMP, operational plans, tactical plans and/or site plans demonstrates recognition of First Nations forest values, knowledge, and uses. Monitoring adherence to these strategies is a measure of the success of these strategies to address the issues they were developed for.

This measure will report on the incorporation of the strategies that were developed to address First Nations issues. As these strategies are put into place tracking of plans incorporating these strategies will begin to determine whether these concerns are being addressed appropriately and the process developed to do so is working.

Table 79: Incorporation of First Nations strategies

Signatory	Number of Mutually Agreed Upon Strategies	Number of Strategies Incorporated Into SFM, Operational, Tactical, or Site Plans.	Percent
Canfor	0	0	100%
BCTS	5	5	100%
TOTAL	5	5	100%

Source: Signatory operational, tactical, or site plans.

Measure Discussion:**Indicator 8-4 | Measure 8-4.2 Implementation Effectiveness (First Nations)**

Measure Statement	Target and Variance
Percentage of forest operations consistent with mutually agreed upon strategies developed with First Nations.	<u>Target:</u> 100% <u>Variance:</u> 0%

The consistency of forest operations with mutually agreed upon strategies "closes the loop" by taking the strategy and ensuring that it has been implemented as intended. Monitoring adherence to the implementation of these strategies is a measure of the success of the process outlined in Measures 8-3.1, 8-3.2, and 8-4.1 and monitors the success of these strategies to address the issues they were developed for.

This measure will report on the implementation of the strategies that were developed to address First Nations issues. As these strategies are put into place tracking of forest activities compliance with these strategies will begin to determine whether these concerns are being addressed appropriately.

Table 80: Implementation of First Nations strategies

Signatory	Total Number of Forest Operations				Number of Forest Operations Completed in Accordance with Agreed Upon Strategies	Percent
	Roads	Harvesting	Silviculture	Total		
Canfor	0	0	0	0	0	100.0%
BCTS	0	0	0	0	0	100.0%
TOTAL	0	0	0	0	0	100.0%

Source: Signatory operational plans

Measure Discussion: None of the previously agreed to strategies for blocks and roads have been yet been implemented on the ground.

Indicator 9-1 | Measure 9-1.1 Recreation

Measure Statement	Target and Variance
The percentage of harvest operations consistent with results and strategies for recreation values as identified in operational plans, tactical plans, and/or site plans.	<u>Target:</u> 100% <u>Variance:</u> 0%

This measure was designed to monitor the signatories' success at implementing planned requirements for recreation. Areas used for industrial forestry are also important to many others for their recreational values. Resources and opportunities for recreation include; berry picking, wildflowers (sensitive), bird watching, hiking, snowmobiling, canoeing, hunting, fishing, camping, skiing, etc. Plans, such as Site Plans, describe the activities forest operations must be consistent with to meet recreation objectives. By monitoring and tracking the consistency of operations with operational plans, forest managers can assess the success of their activities and take steps to improve operations if required. The consideration of non-timber values such as recreation is important to sustainable forest management as it recognizes the multiple benefits forests can provide to society.

Table 81: The percentage of harvest operations consistent with recreation strategies

Signatory	Total Number of Harvest Operations	Number Completed in Accordance with Recreation Requirements	Percent
Canfor	0	0	100.0%
BCTS	5	5	100.0%
TOTAL	5	5	100.0%

Source: Signatory operational plans

Measure Discussion:

Indicator 9-2 | Measure 9-2.1 Visual Quality

Measure Statement	Target and Variance
The percentage of harvesting and road building operations consistent with visual quality requirements as identified in operational, tactical, and/or site plans.	Target: 100% Variance: 0%

The measure is designed to ensure that those operational plans with identified strategies to conserve visual quality have those strategies implemented on the ground. The maintenance of visual quality in scenic areas is an important aspect of sustainable forest management because this measure contributes to overall landscape condition and social acceptance of industrial forestry. Monitoring the success of the requirements of the operational, tactical and/or site plans to meet VQOs will help to ensure that visual quality is conserved for future generations.

Visually sensitive areas are defined as viewsapes that have been identified through a previous planning process. During Forest Stewardship Plan preparation, scenic areas are identified on a map and if harvesting operations are planned for an area that contains VQOs, information will be further identified in a Site Plan. Visual Impact Assessments (VIAs) help determine block shape, location and internal retention options. At the site level, strategies are included in the Site Plan to minimize visual impacts.

Table 82: The percentage of harvest operations consistent with visual quality requirements

Signatory	Total Number of Forest Operations			Operations with visual quality Requirements	Number of Forest Operations Completed in Accordance with Results or Strategies	Percent
	Roads	Harvesting	Total			
Canfor	0	0	0	0	0	100.0%
BCTS	25	5	30	1	1	100.0%
TOTAL	25	5	30	1	1	100.0%

Source: Signatory operational plans

Measure Discussion:

Indicator 9-2 | Measure 9-2.2 Green-up buffers

Measure Statement	Target and Variance
The percentage of harvest operations consistent with visually effective green-up buffer along roads as identified in the Mackenzie LRMP.	Target: 100% Variance: 0%

The public generally has a negative perception of large disturbance events regardless whether they are unmanaged-natural events or those associated with resource development. Often these events change our

view of landscapes over large areas for long periods of time. The magnitude of anthropogenic change, both spatially and temporally, can be mitigated by retaining visual barriers (e.g., along road ways) in the form of green trees and other vegetation. There is also a safety hazard associated around FSRs and main haul roads where blowing snow can hamper visibility. Our intent with this measure is to monitor our commitment to minimizing the safety hazard and the apparent negative visual effect of large disturbances caused by forest harvesting, in those locations referenced in the Mackenzie LRMP.

Table 83: The percentage of harvest operations consistent with green-up buffers along roads

Signatory	Total Number of Harvest Operations	Number Consistent with Green-Up Buffers	Percent
Canfor	0	0	100.0%
BCTS	5	5	100.0%
TOTAL	5	5	100.0%

Source: GIS

Measure Discussion:

Indicator 9-3 | Measure 9-3.1 Resource Features

Measure Statement	Target and Variance
Percent of identified unique and/or significant places and features of social, cultural, or spiritual importance that are managed or protected.	Target: 100% Variance: 0%

Resource features are site-specific elements that have a unique importance because specific ecological factors exist in combination at one place and don't often occur similarly elsewhere. Examples are caves, Karst, or culturally modified trees but in general can be declared through regulation as any of the following:

- Karst;
- A range development;
- Crown land used for research;
- Permanent sample sites;
- A cultural heritage resource;
- An interpretive forest site or trail;
- A recreational site or trail; or
- A recreational feature.

These features are generally considered to have value to society so we assume that through conservation of these features we are contributing to social value. Our intent with this measure is to monitor our commitment to manage and protect regulated resource features.

Table 84: The percentage of resource features that are managed or protected

Signatory	Number of Identified Resource Features Within Areas of Operation	Number of Identified Resource Features Managed or Protected	Percent
Canfor	0	0	100.0%
BCTS	0	0	100.0%
TOTAL	0	0	100%

Source:

Measure Discussion:

Indicator 9-4 | Measure 9-4.1 Safety Policy

Measure Statement	Target and Variance
Written safety policies in place and full implementation are documented.	Target: 2 Variance: 0

Each signatory has a written safety policy in place which is reviewed by the safety committee a minimum of once every year and revised as necessary and approved by management. If an incident occurs the cause of the incident is determined and recommendations are put forward. These recommendations may result in a change

to a specific policy. Annual audits will be conducted and Action Plans developed for any item that requires attention detailing the person responsible for the item and the deadline for completion.

Table 85: The number of safety policies in place

Signatory	Written Safety Policies in Place and Implementation Documented ? (Y/N)
Canfor	1
BCTS	1
TOTAL	2

Source: Signatory safety records

Measure Discussion:

Indicator 9-4 | Measure 9-4.2 Accidents

Measure Statement	Target and Variance
Number of lost time accidents in woodlands operations.	Target: 0 Variance: 0

Health and safety of forest workers and members of the public is an important quality of life objective that is essential to SFM. All signatories consider employee and public safety as a primary focus of all forestry related operations. Evidence of this high priority can be seen in various company mission statements and individual EMS policies. This measure was developed to track and report out on the number of lost time workplace accidents that occur within Canfor's woodlands division and the field operations of BCTS. Operations conducted outside the woodlands division and field operations have been excluded from this measure; however the signatories currently promote safety in all aspects of forest management operations. Two types of workplace accidents are the most common within the forest industry including lost time accidents (LTA) or incidents where medical aid or treatment was necessary but no loss of work time was experienced by the employee. Through this measure, only LTA will be tracked and monitored.

Table 86: The number of lost time accidents

Signatory	Number of Lost Time Accidents
Canfor	0
BCTS	0
TOTAL	0

Source: Signatory safety records

Measure Discussion:

Indicator 9-5 | Measure 9-5.1 Signage

Measure Statement	Target and Variance
Signage on FSRs and main haul roads to be kept current.	Target: 100% Variance: -5%

People value being informed of most activities that take place on public lands including those associated with industrial forestry. Signage establishes a standard for safety and otherwise helps inform public about the nature and extent of industrial activity. Conversely, if signage is not kept current, credibility of the signs declines resulting in a potential safety hazard. With this measure we will monitor our commitment to making information about our activities current and available to those traveling the roads and trails of the Mackenzie DFA.

Table 87: The percentage of industrial activities that have signs removed following completion of activities

Signatory	Number of Completed Industrial Activities with Signs Posted to Advise the Public	Number of Signs Removed Following Completion	Percent
Canfor	0	0	
BCTS	36	33	91.7%

TOTAL	36	33	91.7%
-------	----	----	-------

Source:

Measure Discussion:

Appendix 1

Table 2: Old, Old/Mature, and Old Interior Forest Retention on the Mackenzie Defined Forest Area

Mackenzie Old Growth and Old Interior Summary Table Defined Forest Area

Assessment Date - April 2009

Targets based off of the Ministerial Order for Non-spatial Landscape Biodiversity Objectives in the Mackenzie Forest District.

Future assumes that all planned blocks are harvested within the DFA (BCTS, Canfor, and Abitibi)

Current reflects all known harvest blocks completed within the DFA as of March 31, 2008 (BCTS, Canfor, and Abitibi)

Landscape Unit Group within the DFA	B.E.O.	B.E.C Group	CFLB (ha)	Old Growth						Old Interior					
				Target Minimum %	Target Area (ha.)	Current Area (ha.)	Current %	Future Area (ha.)	Future %	Target Minimum % of Old	Target Area (ha.)	Current Area (ha.)	Current %	Future Area (ha.)	Future %
Blackwater (includes Muscovite Lakes Park)	L 2	2	20979.87	9	1888.2	17735.87	85	16955.08	81	10	188.8	12715.64	673	11481.51	608
	L 3	3	0	9	0.0	0	0	0	0	25	0.0	0	0	0	0
	L 4,7	4,7	94711.25	11	10418.2	52225.47	55	46897.09	50	10	1041.8	20197.32	194	15577.21	150
	L 5	5	61070.88	11	6717.8	38350.91	63	35250.79	58	10	671.8	14276.76	213	11668.44	174
	L 8	8	43.07	13	5.6	42.61	99	42.61	99	10	0.6	25.92	463	25.92	463
Akie River	L 2	2	58076.25	9	5226.9	54495.5	94	54268.86	93	10	522.7	40594.6	777	40043.58	766
	L 7	7	28346.88	11	3118.2	25142.53	89	22631.2	80	10	311.8	17016.61	546	13302.47	427
	L 8	8	3723.41	13	484.0	2235.44	60	2203.57	59	10	48.4	1333.41	275	1284.11	265
Bufflohead (includes Ed Bird Estella Park)	L 2	2	75223.61	9	6770.1	61204.28	81	60591.43	81	10	677.0	44129.34	652	43049.66	636
	L 5	5	0	11	0.0	0	0	0	0	10	0.0	0	0	0	0
	L 7	7	84186.52	11	9260.5	58930.74	70	53917.38	64	10	926.1	27484.29	297	22484.55	243
	L 8	8	10140.34	13	1318.2	4666.23	46	4646.56	46	10	131.8	2394.25	182	2290.72	174
Collins Davis	L 2	2	49793.88	9	4481.4	43615.12	88	41288.63	83	10	448.1	27574.28	615	24414.2	545
	L 3	3	34226.48	19	6503.0	28999.21	85	28584.53	84	25	1625.8	15547.65	239	14638.76	225
	L 4	4	22031.72	11	2423.5	15182.15	69	14201.81	64	10	242.3	5421.82	224	4493.31	185

	L	5	32183.38	9	2896.5	24764.78	77	23744.99	74	10	289.7	13982.41	483	12444.67	430
	L	7	9563.14	11	1051.9	7594.93	79	6577.53	69	10	105.2	3673.5	349	2547.83	242
	L	8	4461.73	13	580.0	3752.2	84	3749.4	84	10	58.0	1939.09	334	1936.16	334
Germansen Mtn.	L	2,7	7856.06	9	707.0	7810.7	99	7614.76	97	10	70.7	5412.75	766	5412.75	766
	L	8	5.22	13	0.7	5.22	100	5.22	100	10	0.1	4.46	657	4.46	657
Gaffney, Manson River	L	2	79867.94	9	7188.1	66320.56	83	69437.04	87	10	718.8	43418.78	604	49658.14	691
	L	5	5712.27	9	514.1	4810.02	84	5145.77	90	10	51.4	2358.17	459	3641.47	708
	L	4	76301.08	11	8393.1	58930.32	77	41271.09	54	10	839.3	26130.66	311	21469.9	256
	L	8	0	13	0.0	0	0	0	0	10	0.0	0	0	0	0
Clearwater	I	3	43778.14	19	8317.8	39317.52	90	38351.52	88	50	4158.9	21052.77	253	21052.77	253
	I	2	10024.68	9	902.2	9119.79	91	8484.14	85	25	225.6	6035.68	669	6035.68	669
	I	5	22023.81	9	1982.1	16623.56	75	15933.82	72	25	495.5	7192.71	363	7192.71	363
	I	8	0	13	0.0	0	0	0	0	25	0.0	0	0	0	0
Morfee	I	3	2415.71	19	459.0	2315.92	96	2315.92	96	50	229.5	1597.22	348	1597.22	348
	I	4	6532.05	11	718.5	4820.33	74	4695.33	72	25	179.6	1869.81	260	1828.55	254
	I	5	4464.63	9	401.8	3872.99	87	3754.95	84	25	100.5	1958.63	487	1818.31	453
Pesika	I	2	24256.45	9	2183.1	23281.86	96	23264.06	96	25	545.8	13255.2	607	13217.11	605
	I	7	6969.87	11	766.7	6774.99	97	6697.52	96	25	191.7	4808.76	627	4671.38	609
	I	8	960.44	13	124.9	912.3	95	907.23	94	25	31.2	619.94	497	594.75	476
Schooler	I	2	36974.96	9	3327.7	31514.07	85	31327.96	85	25	831.9	21010.4	631	20760.89	624
	I	6	13033.11	11	1433.6	10142.18	78	10100.14	77	25	358.4	5827.82	407	5772.76	403
	I	8	2079.02	13	270.3	1498.69	72	1497	72	25	67.6	1061.48	393	1055.44	391
Lower Ospika	I	2	35905.96	9	3231.5	31279.97	87	30637.68	85	25	807.9	15313.82	474	14347.34	444
	I	3	14020.97	19	2664.0	11663.87	83	11466.34	82	50	1332.0	6033.21	226	5730.77	215
	I	4	20762.84	11	2283.9	14597.88	70	12958.89	62	25	571.0	6534.36	286	4671.75	205
	I	5	6140.45	9	552.6	4384.61	71	3822.13	62	25	138.2	2921.73	529	1939.34	351
Gillis, Klawli	I	2	80053.77	9	7204.8	72300.13	90	67120.4	84	25	1801.2	39655.64	550	35232.99	489
	I	4	13894.05	11	1528.3	12106.57	87	10507.82	76	25	382.1	4798.78	314	2981.23	195
	I	7	5221.08	11	574.3	5173.98	99	4797.06	92	25	143.6	2907.03	506	2347.85	409
	I	8	173.94	13	22.6	173.94	100	172.82	99	25	5.7	95.77	424	94.59	418
Nabesche	I	2	24426.75	9	2198.4	22423.17	92	21956.07	90	25	549.6	12066.56	549	11685.26	532
	I	3	43190.67	19	8206.2	37735.15	87	37259.11	86	50	4103.1	23313.24	284	22929.38	279
	I	4	4324.63	11	475.7	2994.49	69	2994.49	69	25	118.9	1312.69	276	1312.69	276
	I	5	12926.09	9	1163.3	10031	78	9600.69	74	25	290.8	6132.88	527	5858.94	504
	I	6	9025.1	11	992.8	6425.5	71	6173.66	68	25	248.2	2576.85	260	2370.21	239
	I	8	357.69	13	46.5	181.66	51	180.26	50	25	11.6	93.47	201	92.07	198
Parsnip	I	3	48334.23	19	9183.5	46734.67	97	46362.14	96	50	4591.8	31763.64	346	31198.73	340

(includes Heather Dina Lake Park)	I	2	0	9	0.0	0	0	0	0	25	0.0	0	0	0	0
	I	5	25695.23	9	2312.6	21559.78	84	19474.2	76	25	578.1	14315.78	619	11159.32	483
	I	4	22868.95	11	2515.6	15062.3	66	12125.1	53	25	628.9	4156.75	165	2584.66	103
	I	8	0	13	0.0	0	0	0	0	25	0.0	0	0	0	0
Twenty Mile	I	2	12457.34	9	1121.2	12246.08	98	11290.02	91	25	280.3	9290.82	829	7667.12	684
	I	7	3018.54	11	332.0	3013.4	100	2531.43	84	25	83.0	2020.73	609	1293.99	390
	I	8	99.94	13	13.0	99.94	100	99.94	100	25	3.2	69.48	535	69.48	535
Misinchinka, Tudyah B	L/I	2	0	9	0.0	0	0	0	0	25	0.0	0	0	0	0
	L/I	5	34892.88	9	3140.4	23829.68	68	20671.37	59	25	785.1	9451.94	301	6869.86	219
	L/I	4	19126.97	11	2104.0	12682.51	66	10027.85	52	25	526.0	4435.81	211	2806.32	133
	L/I	3	31282.95	19	5943.8	30545.77	98	30148.16	96	50	2971.9	23968.98	403	23127.77	389
	L/I	8	0	13	0.0	0	0	0	0	25	0.0	0	0	0	0
Philip	L/I	2	58639.75	9	5277.6	45678.79	78	41805.98	71	25	1319.4	25640.13	486	21398.83	405
	L/I	5	4868.02	9	438.1	3419.24	70	2766.99	57	25	109.5	836.4	191	539.73	123
	L/I	4	107592.7	11	11835.2	80945.61	75	72819.95	68	25	2958.8	31063.68	262	24200.59	204
	L/I	8	0	13	0.0	0	0	0	0	25	0.0	0	0	0	0
Philip, Philip Lake, Tudyah A	L/I	2	62801.07	9	5652.1	48623.21	77	44573.38	71	25	1413.0	26881.09	476	22518.4	398
	L/I	5	4868.02	9	438.1	3419.24	70	2766.99	57	25	109.5	836.4	191	539.73	123
	L/I	4	118828.5	11	13071.1	88381.18	74	79968.89	67	25	3267.8	32837.81	251	25733.42	197
	L/I	8	0	13	0.0	0	0	0	0	25	0.0	0	0	0	0
Connaghan Creek, Eklund, Jackfish, South Germansen – Upper Manson	H	2,5	33438.44	13	4347.0	31387.96	94	30595.72	91	25	1086.7	24100.44	554	22751.8	523
	H	7	14823.93	16	2371.8	13958.66	94	13407.16	90	25	593.0	8008.79	338	7197.39	303
	H	4	5105.21	16	816.8	4677.21	92	4581.91	90	25	204.2	2681.63	328	2392.61	293
	H	8	1457.48	19	276.9	1446.21	99	1446.2	99	25	69.2	935.05	338	925.4	334
Kennedy	H	3	13037.72	28	3650.6	12585.65	97	12574.7	96	50	1825.3	8385.87	230	8349.04	229
	H	5,4	5772.37	13	750.4	4428.22	77	4162.61	72	25	187.6	2035.78	271	1754.77	234
	H	8	0	19	0.0	0	0	0	0	25	0.0	0	0	0	0
Lower Akie, Lower Pesika	H	2	4450.61	13	578.6	3429.5	77	3429.5	77	25	144.6	2143.26	370	2143.26	370
	H	7	12727.91	16	2036.5	10426.49	82	9810.31	77	25	509.1	4994.33	245	4291.15	211
	H	8	3370.12	19	640.3	1202.86	36	1202.36	36	25	160.1	441.03	69	433.35	68
Upper Ospika	H	2, 3	18570.49	13	2414.2	18139.28	98	18139.28	98	50	1207.1	14321.15	593	14321.15	593
	H	4	2660.05	16	425.6	2500.26	94	2500.26	94	25	106.4	1679.25	395	1679.25	395
Nation	H	4,5	12243.63	16	1959.0	10326.11	84	8716.97	71	25	489.7	4724.21	241	3653.4	186
	H	8	0	19	0.0	0	0	0	0	25	0.0	0	0	0	0
Selwyn	H	3	13276.42	28	3717.4	13116.88	99	13013.49	98	50	1858.7	7401.78	199	7212.17	194
	H	5,2	18229.96	13	2369.9	14195.41	78	13852.42	76	25	592.5	7465.36	315	6959.75	294
	H	6,4	2700.14	16	432.0	1921.58	71	1861.64	69	25	108.0	890.2	206	792.08	183

	H	8	2820.06	19	535.8	2206.83	78	2202.54	78	25	134.0	1143.95	213	1124.51	210
LU's Enhanced Deciduous Leading BWBS	L	8		13						10					
LU's General Deciduous Leading BWBS	I	8		13						25					
LU's Special Deciduous Leading BWBS	H	8		19						25					

Table 6, 7, and 8: Patch size Distribution on the Mackenzie Defined Forest Area

April 2009 Patch size Analysis

Current State of depletions as of March 31, 2008

Table 6

Enhanced Management Strategy Resource Management Zones																				
Landscape Unit Group within the DFA	NDT	Current Total Area of patches (ha)	Future Total Area of patches (ha)	NDT 1, 2, and 3 =<40					NDT 1 and 2 = 40-80, NDT 3 = 40-250					NDT 1 and 2 = 80-250, NDT 3 = 250-5000					over maximum	
				Target Range %	Current Area (ha)	Current %	Future Area	Future %	Target Range %	Current Area (ha)	Current %	Future Area	Future %	Target Range %	Current Area (ha)	Current %	Future Area	Future %	Current %	Future %
Blackwater	1	0.0	0.0	30-40	0.0	0%	0.0	0%	30-40	0.0	0%	0.0	0%	20-40	0.0	0%	0.0	0%	0%	0%
	2	8091.6	12225.8	30-40	97.4	1%	127.6	1%	30-40	1180.3	15%	1535.6	13%	20-40	1983.7	25%	2885.4	24%	60%	63%
	3	10894.9	16297.1	10-20	196.1	2%	341.5	2%	10-20	2271.8	21%	4216.6	26%	60-80	8427.0	77%	11739.0	72%	0%	0%
Germansen Mtn.	1	0.0	0.0	30-40	0.0	0%	0.0	0%	30-40	0.0	0%	0.0	0%	20-40	0.0	0%	0.0	0%	0%	0%
	2	66.6	266.4	30-40	0.0	0%	0.0	0%	30-40	0.0	0%	0.0	0%	20-40	0.0	0%	64.9	24%	100%	76%
	3	2.9	2.9	10-20	0.0	0%	0.0	0%	10-20	0.0	0%	2.9	100%	60-80	2.9	100%	0.0	0%	0%	0%
Philip	1	0.0	0.0	30-40	0.0	0%	0.0	0%	30-40	0.0	0%	0.0	0%	20-40	0.0	0%	0.0	0%	0%	0%
	2	7318.8	12361.2	30-40	139.8	2%	218.6	2%	30-40	863.6	12%	1218.0	10%	20-40	2109.3	29%	2707	22%	57%	66%
	3	15482.2	23697.5	10-20	144.9	1%	264.3	1%	10-20	1957.5	13%	3377.5	14%	60-80	8829.4	57%	13710.3	58%	29%	27%
Morfee	1	0.0	0.0	30-40	0.0	0%	0.0	0%	30-40	0.0	0%	0.0	0%	20-40	0.0	0%	0.0	0%	0%	0%
	2	460.9	614.4	30-40	25.6	6%	43.6	7%	30-40	114.3	25%	133.0	22%	20-40	187.1	41%	283.0	46%	29%	25%
	3	1061.7	1365.1	10-20	4.9	0%	61.0	4%	10-20	430.1	41%	637.0	47%	60-80	626.8	59%	802.7	59%	0%	-10%
Akie	1	0.0	0.0	30-40	0.0	0%	0.0	0%	30-40	0.0	0%	0.0	0%	20-40	0.0	0%	0.0	0%	0%	0%
	2	454.3	1111.8	30-40	0.0	0%	34.5	3%	30-40	69.5	15%	330.1	30%	20-40	277.2	61%	352.8	32%	24%	35%
	3	2180.5	4375.7	10-20	34.4	2%	9.3	0%	10-20	438.1	20%	1049.8	24%	60-80	1708.0	78%	3256.7	74%	0%	1%
Buffalohead	1	0.0	0.0	30-40	0.0	0%	0.0	0%	30-40	0.0	0%	0.0	0%	20-40	0.0	0%	0.0	0%	0%	0%
	2	5645.1	6945.4	30-40	117.3	2%	131.5	2%	30-40	630.6	11%	740.3	11%	20-40	859.3	15%	868.4	13%	72%	75%
	3	18830.4	23271.4	10-20	275.5	1%	398.8	2%	10-20	2786.8	15%	3706.0	16%	60-80	8268.0	44%	11114.5	48%	40%	35%
Collin Davis	1	0.0	0.0	30-40	0.0	0%	0.0	0%	30-40	0.0	0%	0.0	0%	20-40	0.0	0%	0.0	0%	0%	0%
	2	5549.2	9367.3	30-40	65.4	1%	178.2	2%	30-40	460.4	8%	807.9	9%	20-40	994.5	18%	1917.4	20%	73%	69%
	3	4829.7	6379.4	10-20	102.7	2%	0.0	0%	10-20	1121.8	23%	0.0	0%	60-80	3605.3	75%	6379.4	100%	0%	0%

Table 7

General and Special Management Strategy Resource Management Zones																				
Landscape Unit Group within the DFA	NDT	Current Total Area of patches (ha)	Future Total Area of patches (ha)	NDT 1, 2, and 3 =<40					NDT 1 and 2 = 40-80, NDT 3 = 40-250					NDT 1 and 2 = 80-250, NDT 3 = 250-1000					over maximum	
				Target Range %	Current Area (ha)	Current %	Future Area	Future %	Target Range %	Current Area (ha)	Current %	Future Area	Future %	Target Range %	Current Area (ha)	Current %	Future Area	Future %	Current %	Future %
Clearwater	1	1015.5	2705.2	30-40	20.0	2%	117.5	4%	30-40	238.3	23%	579.9	21%	20-40	426.3	42%	810.0	30%	33%	44%
	2	1073.7	1693.2	30-40	104.3	10%	180.2	11%	30-40	381.8	36%	488.2	29%	20-40	293.9	27%	298.3	18%	27%	43%
	3	0.0	0.0	10-20	0.0	0	0.0	0	10-20	0.0	0	0.0	0	60-80	0.0	0	0.0	0	100%	100%
Lower Akie Peskia	1	0.0	0.0	30-40	0.0	0	0.0	0	30-40	0.0	0	0.0	0	20-40	0.0	0	0.0	0	100%	100%
	2	7.1	7.1	30-40	0.0	0%	0.0	0%	30-40	0.0	0%	0.0	0%	20-40	0.0	0%	0.0	0%	100%	100%
	3	1689.0	2333.5	10-20	14.7	1%	30.4	1%	10-20	96.6	6%	183.7	8%	60-80	533.2	32%	707.4	30%	62%	61%
Nation	1	0.0	0.0	30-40	0.0	0	0.0	0	30-40	0.0	0	0.0	0	20-40	0.0	0	0.0	0	100%	100%
	2	93.5	93.5	30-40	12.6	13%	12.6	13%	30-40	0.0	0%	0.0	0%	20-40	80.9	87%	80.9	87%	0%	0%
	3	402.9	2061.6	10-20	1.6	0%	21.2	1%	10-20	20.2	5%	274.7	13%	60-80	0.3	0%	1.2	0%	94%	86%
Parsnip	1	304.4	331.2	30-40	28.6	9%	29.2	9%	30-40	133.6	44%	316.5	96%	20-40	111.7	37%	178.6	54%	10%	-58%
	2	1781.5	3923.3	30-40	70.8	4%	134.1	3%	30-40	288.4	16%	681.3	17%	20-40	662.7	37%	1054.4	27%	43%	52%
	3	3207.2	6224.3	10-20	40.3	1%	43.9	1%	10-20	649.8	20%	928.8	15%	60-80	450.4	14%	554.2	9%	64%	75%
Philip Lake Tudyah A	1	0.0	0.0	30-40	0.0	0	0.0	0	30-40	0.0	0	0.0	0	20-40	0.0	0	0.0	0	100%	100%
	2	8048.0	13359.3	30-40	147.4	2%	234.9	2%	30-40	1128.5	14%	1510.0	11%	20-40	2176.6	27%	2774.4	21%	57%	66%
	3	17388.8	25815.0	10-20	208.9	1%	329.3	1%	10-20	2264.3	13%	3753.7	15%	60-80	3000.6	17%	4366.0	17%	69%	67%
Selwyn	1	0.0	126.7	30-40	0.0	0	0.0	0%	30-40	3.2	0	3.2	3%	20-40	0.0	0	0.0	0%	100%	97%
	2	428.3	860.3	30-40	63.9	15%	105.6	12%	30-40	167.9	39%	147.7	17%	20-40	121.1	28%	121.1	14%	18%	56%
	3	69.4	106.8	10-20	0.0	0%	0.0	0%	10-20	69.4	100%	69.4	65%	60-80	0.0	0%	37.4	35%	0%	0%
Lower Ospika	1	0.0	0.0	30-40	0.0	0	0.0	0	30-40	0.0	0	0.0	0	20-40	0.0	0	0.0	0	100%	100%
	2	939.2	1940.6	30-40	0.0	0%	16.4	1%	30-40	36.6	4%	305.8	16%	20-40	83.4	9%	339.0	17%	87%	66%
	3	2192.2	4262.3	10-20	51.4	2%	84.4	2%	10-20	444.2	20%	1115.2	26%	60-80	710.7	32%	1579.7	37%	45%	35%
Nabesche	1	380.5	1095.4	30-40	83.0	22%	268.0	24%	30-40	68.8	18%	379.8	35%	20-40	144.4	38%	371.5	34%	22%	7%
	2	2262.9	2169.2	30-40	123.0	5%	189.4	9%	30-40	264.1	12%	522.2	24%	20-40	525.3	23%	366.2	17%	60%	50%
	3	1596.7	1328.6	10-20	38.1	2%	38.1	3%	10-20	337.5	21%	565.9	43%	60-80	334.1	21%	367.4	28%	56%	27%
Pesika	1	0.0	0.0	30-40	0.0	0	0.0	0	30-40	0.0	0	0.0	0	20-40	0.0	0	0.0	0	100%	100%
	2	72.0	72.7	30-40	0.0	0%	0.0	0%	30-40	0.0	0%	0.0	0%	20-40	72.0	100%	72.7	100%	0%	0%
	3	179.0	278.7	10-20	9.3	5%	9.3	3%	10-20	169.7	95%	269.4	97%	60-80	0.0	0%	0.0	0%	0%	0%
Schooler	1	0.0	0.0	30-40	0.0	0	0.0	0	30-40	0.0	0	0.0	0	20-40	0.0	0	0.0	0	100%	100%
	2	2495.0	2728.4	30-40	24.9	1%	24.9	1%	30-40	112.0	4%	112.0	4%	20-40	558.6	22%	558.6	20%	72%	75%
	3	243.4	245.2	10-20	20.7	8%	20.7	8%	10-20	88.7	36%	88.7	36%	60-80	7.4	3%	9.2	4%	52%	52%
Upper Ospika - no blocks	1	0.0	0.0	30-40	0.0	0	0.0	0	30-40	0.0	0	0.0	0	20-40	0.0	0	0.0	0	100%	100%
	2	0.0	0.0	30-40	0.0	0	0.0	0	30-40	0.0	0	0.0	0	20-40	0.0	0	0.0	0	100%	100%

	3	0.0	0.0	10-20	0.0	0	0.0	0	10-20	0.0	0	0.0	0	60-80	0.0	0	0.0	0	100%	100%
--	---	-----	-----	-------	-----	---	-----	---	-------	-----	---	-----	---	-------	-----	---	-----	---	------	------

Table 8

Caribou Management Strategy Resource Management Zones																				
Landscape Unit Group within the DFA	NDT	Current Total Area of patches (ha)	Future Total Area of patches (ha)	<40					40-250					250-5000					over maximum	
				Target Range %	Current Area (ha)	Current %	Future Area	Future %	Target Range %	Current Area (ha)	Current %	Future Area	Future %	Target Range %	Current Area (ha)	Current %	Future Area	Future %	Current %	Future %
Connaghan Creek, Eklund, Jackfish, S. Germansen	1	0.0	0.0		0.0	0	0.0	0		0.0	0	0.0	0		0.0	0	0.0	0	0%	0%
	2	1455.5	2434.8	30-40	11.4	1%	11.4	0%	30-40	1091.0	75%	1241.8	51%	20-40	353.1	24%	1181.7	49%	0%	0%
	3	810.0	1275.5	10-20	71.3	9%	115.3	9%	10-20	551.6	68%	757.1	59%	60-80	187.1	23%	403.1	32%	0%	0%
Gaffney - Manson River	1	0.0	0.0		0.0	0	0.0	0		0.0	0	0.0	0		0.0	0	0.0	0	0%	0%
	2	10021.8	14527.3	30-40	200.0	2%	342.2	2%	30-40	5763.2	58%	7078.1	49%	20-40	4058.5	40%	6822.4	47%	0%	2%
	3	10310.8	18857.6	10-20	145.5	1%	173.5	1%	10-20	2250.6	22%	2493.9	13%	60-80	7501.3	73%	13939.5	74%	4%	12%
Gillis - Klawli	1	0.0	0.0		0.0	0	0.0	0		0.0	0	0.0	0		0.0	0	0.0	0	0%	0%
	2	4799.5	11412.1	30-40	63.6	1%	65.2	1%	30-40	812.9	17%	970.1	9%	20-40	3923.0	82%	10376.7	91%	0%	0%
	3	259.3	911.3	10-20	1.6	1%	6.5	1%	10-20	59.0	23%	282.3	31%	60-80	198.7	77%	622.6	68%	0%	0%
Kennedy	1	0.0	25.5		0.0	0	0.0	0%		0.0	0	13.0	51%		0.0	0	12.5	49%	0%	0%
	2	928.5	1175.2	30-40	47.4	5%	47.4	4%	30-40	25.7	3%	113.4	10%	20-40	855.5	92%	1014.4	86%	0%	0%
	3	0.0	18.1	10-20	0.0	0	0.0	0%	10-20	0.0	0	18.1	100%	60-80	0.0	0	0.0	0%	0%	0%
Misinchinka TudyahB	1	81.1	433.6		22.9	28%	30.5	7%		50.5	62%	265.0	61%		7.7	9%	138.1	32%	0%	0%
	2	4186.8	7145.8	30-40	162.5	4%	229.7	3%	30-40	1182.4	28%	1926.9	27%	20-40	2841.9	68%	4989.2	70%	0%	0%
	3	3715.3	6910.4	10-20	83.8	2%	145.1	2%	10-20	252.8	7%	950.7	14%	60-80	3378.7	91%	5771.2	84%	0%	1%
Twenty Mile	1	0.0	0.0		0.0	0	0.0	0		0.0	0	0.0	0		0.0	0	0.0	0	0%	0%
	2	150.7	1330.2	30-40	0.0	0%	0.0	0%	30-40	0.0	0%	297.0	22%	20-40	157.1	104%	1299.1	98%	-4%	-20%
	3	6.3	266.0	10-20	0.0	0%	0.0	0%	10-20	0.0	0%	238.2	90%	60-80	6.3	100%	245.7	92%	0%	-82%