



Mackenzie SFMP



Mackenzie Sustainable Forest Management Plan

Facilitator Report

March 31, 2013



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March 31, 2013

Andrew Preston, RPF
Planning Forester
Canadian Forest Products Ltd.
Admin Building - Mill Road
Box 310
Mackenzie, BC V0J 2C0

Dear Andrew,

Here is the 2012/2013 Facilitator Report for the "Mackenzie SFM Plan Public Advisory Group.
This Report is in fulfilment of Contract # GSA_Tesera_PAG_fac_2012_04_11.

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

Sincerely,

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

Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager
Tesera Systems Inc.



Mackenzie Sustainable Forest Management Plan

Public Advisory Group

Facilitator Report
2012-2013

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Mackenzie SFMP



Mackenzie Sustainable Forest Management Plan

Public Advisory Group

Terms Of Reference

March 27, 2013

Background

1.1 Purpose of a 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. are to:

- a. Rely on the SFM Framework as the conceptual forest management strategy for the certification effort in Mackenzie;
- b. Jointly develop a Sustainable Forest Management Plan (SFMP) within the geographic area of the Mackenzie Forest District to meet the SFM standard requirements (Z809-08) developed by the Canadian Standards Association (CSA). This standard and subsequent revisions may be viewed online at <http://shop.csa.ca> by searching CSA Z809;
- c. Support a public advisory process to:
 - Identify and select indicators, and targets, based on the SFM framework and any other criteria relevant to the DFA;
 - Develop, assess, and select from 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. to prepare for eventual certification under the Canadian Standards Association's (CSA) SFM Standard (Z809-08).

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 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, 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, and targets, based on the SFM framework and any other criteria relevant to the DFA;
- b. Develop, assess, and select from 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 |
| i. Plan updated and reviewed by the PAG | | January 2010 |
| j. Plan updated to the Z809-08 Standard and reviewed by the PAG | | March 1, 2012 |

Following the completion of the SFMP, it is estimated that the PAG meeting schedule would include 3–4 meetings per year (as required) beginning in 2007.

4. Communication

4.1 Between the PAG and Mackenzie SFMP Steering Committee

- The Mackenzie SFMP Steering Committee will ensure that the PAG meeting summaries are distributed to the PAG with the meeting notice.
- 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.
- 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.
- The Mackenzie SFMP Steering Committee will provide a copy of the SFMP and annual reports to the PAG.
- The Mackenzie SFMP Steering Committee may caucus prior to responding to the PAG.

4.2 With the Public

- The Mackenzie SFMP Steering Committee will make copies of the SFMP and annual reports available to the public.
- 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
- Saulneau 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.

1.1.1 PAG Satisfaction

- a. PAG satisfaction with the meeting and public participation process is gauged and measured at each meeting through a satisfaction survey. The results and comments from these surveys are then reported out at the following PAG meeting. Specific sections are measured and reported out through the SFMP Indicator entitled "Satisfaction (PAG)" in the Annual Report.

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:

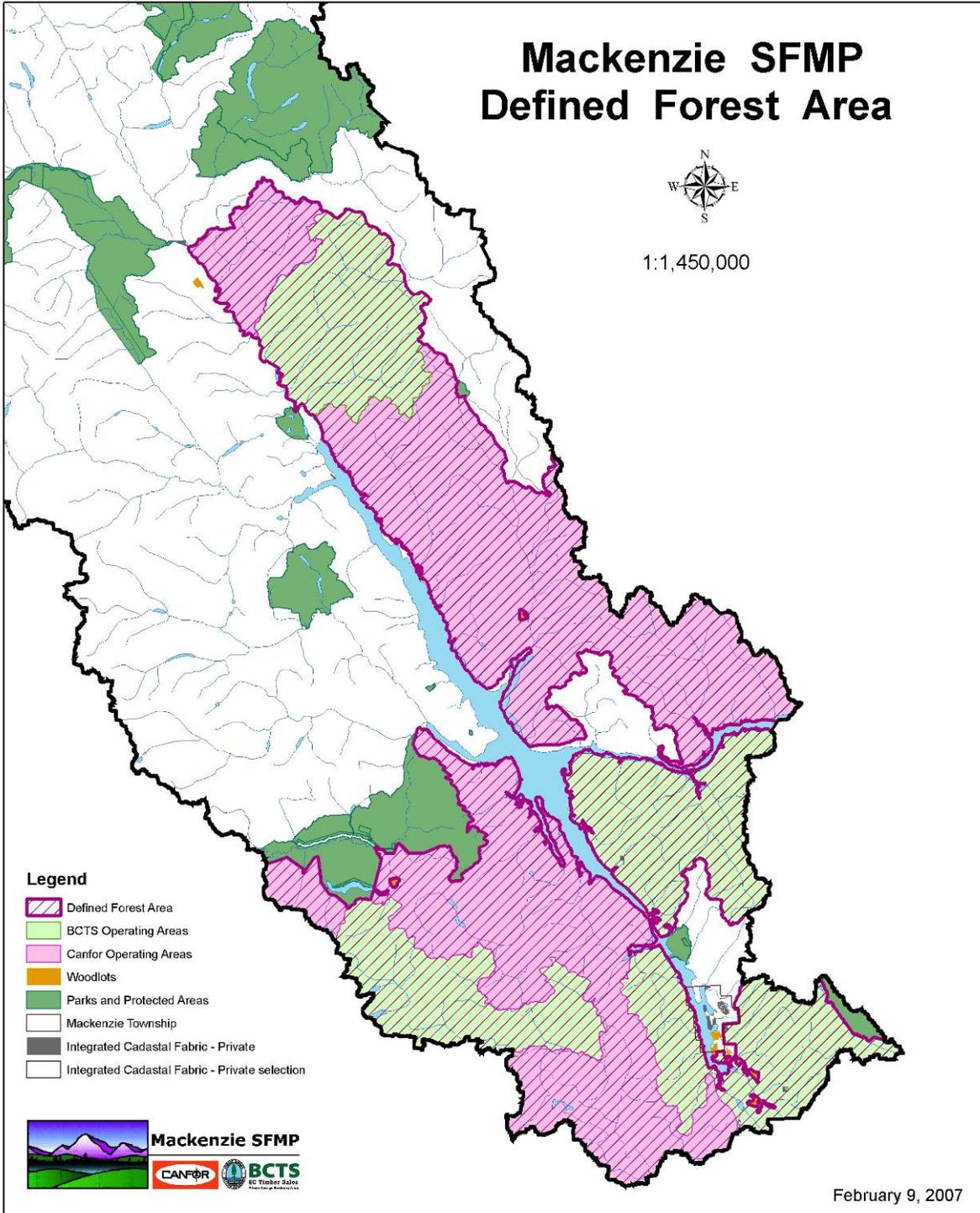
Public Advisory Group
Mackenzie SFMP Steering Committee

Date: March 27, 2013

Date: March 27, 2013

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
Recreation – Non-commercial (motorized)
Saulteau First Nations
Small Business – Germansen Landing
Small Business – Mackenzie
Small Community
Trapping
West Moberly First Nations
Woodlot

Approved:

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

Revised:

| | |
|-----------------------------------|-------------------------|
| Public Advisory Group | Date: February 23, 2011 |
| Mackenzie SFMP Steering Committee | Date: February 23, 2011 |

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. (Mackenzie PAG Terms of Reference)

| 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 | 8 | 3 |
| June 2, 2010 | 9 | 3 |
| October 20, 2010 | 4 | 4 |
| February 23, 2011 | 7 | 3 |
| October 26, 2011 | 5 | 4 |
| March 7, 2012 | 4 | 4 |
| June 19, 2012 | 4 | 3 |
| October 24, 2012 | 5 | 3 |
| March 27, 2013 | | 3 |



Mackenzie SFMP



Schedule of Completed PAG Meetings

| Meeting Dates | Agenda Items | |
|------------------|-----------------|--|
| June 19, 2012 | PAG Meeting #27 | Field Trip |
| October 24, 2012 | PAG Meeting #28 | Review Annual Report |
| March 27, 2013 | PAG Meeting #29 | Review Terms of Reference Indicator Refinement Minor Revisions to the SFM Plan |



June 19th PAG Meeting Agenda
 9:00AM to 4:30PM

Attendees: Vi Lambie, Lawrence Napier, Dave Forshaw, Tom Briggs
 Denise Hogue, Andy Preston
 Dwight Wolfe

| Time | Item | Owner |
|--------------------|--|-----------------|
| 9:00-9:15 | Welcome and organizing transportation; Mackenzie Rec Center | |
| 9:15-10:00 | Travel from Mackenzie to Coal Creek FSR | |
| 10:00-10:30 | Silviculture Stop #1; Site Prep and Planting (BCTS) A. Summary of 2011-12 Indicator Results B. Indicators #8, #14, #8, #42 | Denise |
| 10:30-11:00 | Silviculture Stop #2: Regeneration (BCTS) C. Indicator #22 | Denise |
| 11:00-12:00 | Silviculture Stop #3: Free Growing (BCTS) D. Indicator #23 | Denise |
| 12:00-12:45 | Lunch | |
| 12:45-1:30 | Travel from Coal Creek FSR to Canfor Harvesting | |
| 1:30-2:00 | Harvesting Stop #1; Salvage Activities (Canfor) E. Indicator #24 | Andy |
| 2:00-3:00 | Harvesting Stop #2: Retention and Riparian Management (Canfor) F. Indicator #3, #6, #7, #10, #43 | Andy |
| 3:00-4:00 | Travel back to Mackenzie Rec Center | |
| 4:00-4:30 | Wrap-up | Andy and Denise |



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

PAG Meeting

June 19, 2012

Mackenzie, BC

| NAME (Please Print) | SIGNATURE | PAG Rep / Alt Observer SC / Advisor |
|---------------------|-----------|---|
| LAWRENCE NAPIER | | Rep. |
| Dwight Wolfe | | Facilitator |
| DAVE FORSHAW | | DIST. MACKENZIE |
| Tom BRIGGS | | PAG |
| Vi Lambie | | PAG |
| Andy Preston | | LSC |
| Denise Hagne | | LSC |
| Greg CROOKES | | LSC BCTS |
| Bernie Hulstak | | BCTS - SILV. |
| BRETT HOPKINS | | BCTS - SILV. |
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Mackenzie SFMP



PAG Meeting

June 19, 2012 10:00 am – 4:00 pm

Field Trip near Mackenzie

Meeting Summary

Attendance:

| | |
|---|--|
| <p><i>Public Advisory Group:</i> Dave Forshaw Tom Briggs</p> | <p><i>Steering Committee & Advisors:</i> Denise Hogue – BCTS Andrew Preston - Canfor</p> |
| <p><i>Facilitator & Scribe:</i> Dwight Scott Wolfe (Tesera Systems Inc.)</p> | <p><i>Observers:</i> Bernie Hulstein - BCTS Brett Hopkins - BCTS</p> |

1) Welcome & Introductions

- a) Members signed in.
- b) Welcome by the Chair of the Steering Committee [Denise Hogue].

2) Confirmed agenda

- a) The Field Trip agenda will address some of the silviculture issues noted at the March PAG meeting and also look at harvesting, retention, riparian and coarse woody debris.
- b) Agenda accepted as written.

3) Evaluation results for March 7, 2012.

- a) Evaluation results for March 7, 2012 were reviewed.
 - i) All results from the March 7, 2012 meeting met or exceeded the target except:
 - (1) Q 5: Communication with PAG members between meetings is adequate. (3.6).
 - (2) Q 8: Were most PAG members involved in meeting? (3.6).
 - (3) Q 27: A broad cross-section of the community is represented at PAG meetings. (3.0).

4) Summary of the March 7, 2012 Meeting.

- a) Summary of the March 7, 2012 meeting accepted as written.

5) Mackenzie SFMP 2011/2012 Draft Annual Report (Summary)

- a) Andrew Preston provided a summary of the indicator results for the draft 2011-2012 Annual Report.
 - i) The Annual Report document will be circulated at a later date.

ii) Some of the indicators will be discussed during the Field Trip.

Action Item 1: LSC to distribute the draft 2011-12 Annual Report to the PAG. **Due:** Next meeting.

b) Summary:

i) Of the 48 indicators listed in the Annual Report, 39 indicators were met within the prescribed variances, 2 indicators are still pending and 7 indicators were not met within the prescribed variances.

c) Indicators not met included:

i) #1 – Old Forest

(1) Canfor met.

(2) Two BCTS blocks did not meet the target.

ii) #2 – Interior Forest

(1) Canfor met.

(2) Two BCTS blocks did not meet the target.

iii) #8 - Riparian Management area effectiveness

(1) A machine entered a Machine Free Zone along a riparian reserve. There were no deleterious effects, but the incident should not have happened.

(2) This site will be visited on the Field Trip.

iv) #25 – Harvest Volumes

(1) This is an indicator the LSC knows will not be met now and into the foreseeable future due to the way it is calculated and the current economic situation.

(2) Until Canfor can increase the capacity of its facility to consume more timber, and similarly BCTS can sell more timber, the LSC will be unable to meet this target.

(3) Better economics and less fragile markets are what will make the difference. Once markets improve and Canfor is harvesting more and BCTS is able to sell more, this indicator will start to recover.

(4) Since it is calculated on a 5 -year average, targets will not be met for years to come, and will get worse in the next year or two.

(5) LSC is optimistic that trends will start to move upwards, however results are influenced by factors beyond the control of the LSC.

v) #43 - Dispersed Retention Levels

(1) Canfor met.

(2) One BCTS block did not meet the target. Some deciduous trees were felled.

vi) #45 - Level of Direct and Indirect Employment

(1) Canfor met.

(2) BCTS did not meet.

(3) BCTS lacked staff during the reporting period. BCTS have recruited new staff.

vii) #48 - Understanding the Nature of Aboriginal Rights and Title

(1) Moving forward with training during this reporting period.

d) Pending indicators:

i) #17 - Peak Flow Index.

ii) #27 - Local Investment.

6) Silviculture Stop #1; Site Prep and Planting (BCTS)

a) Aspen Stocking did not meet requirements

b) Converting to 5/12 Spruce seedlings that were planted to a higher density to avoid the potential for manual brushing. There are concerns for snow press on seedlings due to the amount of annual snowfall experienced in the area.

c) On-block roads have been rehabilitated and planted with deciduous.

d) Originally logged in 2001 as part of a deciduous partition in the Mackenzie AAC. The stand was originally an aspen-leading stand (with spruce). It is a mesic site (moderate or well-balanced supply of moisture) with plenty of competition.

e) Stocking issues were identified in 2010. This block did not come back as a pure deciduous stand so the standards unit (SU) was modified to identify the stand as deciduous-leading (with conifer) with the aim to meet the free-growing deadline.

f) Site preparation occurred in October 2011. The contractor used a Tracked Hoe and a Piling Rake to grab and pile clumps of alder. The site was planted with 5/12 spruce planting stock. During this time, the contractor missed the Machine Free Zone along the creek on the block. A ribbon was incorrectly placed along the S4 stream. The ribbon was too close to the stream and the operator continued to follow the ribbon line. It was noted that a more experienced operator may have noticed that the ribbon was too close to the stream and stopped. No sediment found its way into the stream.

g) BCTS has implemented new checks and balances so this will not happen again. Field surveys of newer blocks will note any potential resource values and potential risks to these values prior to hand-off from the licensee to BCTS. BCTS may burn approximately half of the piles in this block.

- h) KPMG did a re-certification audit in May 2012 and reviewed this block. KPMG noted the effort by BCTS to write-up the incident report and their follow through to correct the situation on the block and with their Best Management Practices.
- i) Discussion:
 - i) PAG member noted that the alder piles make good habitat for mice and voles.

7) Silviculture Stop #2: Regeneration (BCTS)

- a) Standard silviculture treatment regime. This block was planted in the summer of 2009 with 5/0 or 4/0 mix of Sx or Pl stock.
- b) The goal is to establish regeneration as soon as possible to beat the brush competition. Stock survival is very high on this block (>90%).
- c) Canfor noted that they prefer natural regeneration in areas where there is pine blister rust. Possibly use chain dragging as a site preparation tool to open up pine cones then allow for natural regeneration, knowing that a substantial amount of the regenerating pine trees will be affected by rust.
- d) BCTS finds it harder to plan for natural regeneration with their licensees due to the timing of harvesting within the term of the timber sale license.
- e) Discussion:
 - i) PAG member asked about planting larch. The LSC noted that some larch has been planted in the DFA. Larch is drought resistant and tends to out-compete the brush. The LSC also noted that Douglas-fir is being planted this year as well, although you need to be careful with the types of sites you plan to Douglas-fir. Neither the larch or Douglas-fir count toward Free Growing (not part of the stocking standard), so the percentages planted are usually <10%.
 - ii) The LSC noted that two “assisted migration” trials have been set up in the DFA. Each trial contains 16 different species and the trials will be monitored to provide data on species adaptability.

8) Silviculture Stop #3: Free Growing (BCTS)

- a) This block was declared free-growing 11-12 years after planting.
- b) The goal with every plantation is to be free-growing within the 20 year time frame after harvest.
- c) Keys to free-growing include, an ecologically suitable species, a minimum stocking density of 600 stems / hectare, a target stocking density of 1200 stems / hectare, free from brush competition and a minimum height of 80 cm (spruce/fir).

- d) In order to achieve the target stocking density of 1200 stems / hectare, blocks are usually planted with 1600 stems / hectare.
- e) Discussion:
 - i) The LSC noted that aspen has been shown to be an excellent cover crop for spruce seedlings as it protects spruce from frost and from spruce leader weevil. Research has also shown that aspen and spruce can be harvested over time on the same block (aspen first, then spruce).

9) Harvesting Stop #1; Salvage Activities (Canfor)

- a) This block was harvested during the winter of 2012 in order to salvage beetle-killed timber. The block was originally 52% pine. Decay, waste and breakage (DW&B) was 37% in the pine on this block. The original gross block volume was 577 m³ /hectare so with the DW&B the net volume was 350m³/ha. Approximately 220 m³/hectare was left behind in CWD. Some small immature trees were left behind as advance regeneration.
- b) Cut to length on the block using two machines.
- c) This was a cruise-based sale so Canfor tries to maximize the merchantable volume harvested on the block.
- d) Coarse woody debris volumes will vary depending on the site.
- e) Discussion:
 - i) PAG members noticed lots of coarse woody debris remaining on the block.

10) Harvesting Stop #2: Retention and Riparian Management (Canfor)

- a) This block was not accessible due to soft road conditions.
- b) The LSC reviewed the riparian management requirements based on the class of stream.
 - i) For an S2: A riparian reserve plus a riparian management zone.
 - ii) For an S4: a 5 metre machine free zone.
 - iii) The block contained 35% net pine therefore it was not a salvage block.
- c) Discussion:
 - i) PAG member asked what is being done to manage for blowdown within riparian areas in the DFA. The LSC is unsure as to the extent of blowdown in riparian areas in the DFA. Currently, there are no salvage operations to recover blowdown in riparian areas as the licensees are bound to what is approved in the Forest Stewardship Plan for riparian widths.
 - ii) PAG is concerned with the potential for spruce beetle in blowdown areas. Canfor is targeting some spruce blowdown on their operating area in the DFA.

- iii) The PAG also noted that there are spruce beetle issues in blowdown on the Community Forest.
- iv) BCTS is tracking blowdown closer to Mackenzie and these areas are on the sales schedule for later this year. Some blowdown areas on the Peace Arm are only accessible by barge and are not scheduled for development in the short-term.

11) Other

- a) PAG Member Recruitment
 - i) PAG and LSC discussed recent follow-up discussions to try and increase the sector representation on the PAG.
 - (1) Both CNC and UNBC were contacted by the LSC and there is no interest in participating on the PAG.
 - (2) Posters were distributed around Mackenzie and one interested person contacted the LSC. This person plans to attend the fall PAG meeting.

12) Actions updated

See Action Table (below)

- a) Action ID - April 29-03: Ongoing.
- b) Action ID - May 27-03: Ongoing.
- c) Action ID – Oct 26 - 03: Spring 2012.
- d) Action ID – Oct 26 - 04: Spring 2012.
- e) Action ID – Oct 26 - 06: Spring 2012. No additional Field Trip ideas were received. Action completed.
- f) Action ID – Mar 7 - 01: Spring 2012.
- g) Action ID – Mar 7 - 02: Next meeting. The presentation on silvicultural practices was incorporated into the Field Trip. Action completed.
- h) Action ID – Mar 7 - 03: Next meeting. The presentation on salvage activities in the DFA practices was incorporated into the Field Trip. Action completed.
- i) Action ID – Mar 7 - 04: Spring 2012.
- j) Action ID – Mar 7 - 05: Spring 2012. Copies of Pierre Beaudry's study of the melting of the snowpack on a clearcut adjacent to a stand of dead pine were distributed to PAG members at the meeting. Action completed.
- k) Action ID – Mar 7 - 06: Spring 2012. No additional Field Trip ideas were received. Action completed.

- l) Action ID – Mar 7 - 07: Spring 2012. Copies of the CWD report prepared by Wildlife Infometrics were distributed to PAG members at the meeting. Action completed.

Action Item 2: LSC to distribute to the PAG (via email) copies of the CWD and Snowpack reports.
Action Completed

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

14) Next meeting:

Meeting date to be determined (Fall 2012)

10:00 AM – 4:00 PM

Mackenzie Recreation Centre – Conference Room (2nd Floor)

15) 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 |
| May 27-03 | Add a non-timber benefits issue to the Continuous Improvement Matrix. | Licensee Steering Committee | March 31, 2011. | Ongoing |
| Oct 26 - 03 | Provide PAG members with the results of the Forest Practices Board Audit of BCTS Operations in the Mackenzie District. | Licensee Steering Committee | Spring 2012 | |
| Oct 26 - 04 | Confirm with the PAG the status of the Phillips Forest Service Road. | Licensee Steering Committee | Spring 2012 | |
| Oct 26 - 06 | Send Field Trip ideas to the Facilitator. | PAG | Spring 2012 | Completed |
| Mar 7 - 01 | Provide PAG members with a link to more information on Species at Risk in the DFA. | Licensee Steering Committee | Spring 2012 | |
| Mar 7 - 02 | Do a presentation on silvicultural practices. | Licensee Steering Committee | Next meeting | Completed |
| Mar 7 - 03 | Do a presentation on salvage activities in the DFA | Licensee Steering Committee | Next meeting | Completed |
| Mar 7 - 04 | Provide recce information on the November 2010 blowdown event to the McLeod Lake Mackenzie Community Forest. | BCTS | Spring 2012 | |
| Mar 7 - 05 | Provide PAG members with a copy of Pierre Beaudry's study of the melting of the snowpack on a clearcut adjacent to a stand of dead pine. | Licensee Steering Committee | Spring 2012 | Completed |
| Mar 7 - 06 | Provide additional Field Trip topics to the Facilitator. | PAG | April 7, 2012 | Completed |
| Mar 7 - 07 | Look into getting a copy of the CWD report prepared by Wildlife Infometrics and present to the PAG. | Licensee Steering Committee | Spring 2012 | Completed |
| June 19 – 01 | Distribute the draft 2011-12 Annual Report to the PAG. | Licensee Steering Committee | Next meeting | |
| June 19 – 02 | Distribute to the PAG (via email) copies of the CWD and Snowpack reports. | Licensee Steering Committee | Next meeting | Completed |



Mackenzie SFMP



PAG Meeting

October 24, 2012

10:00 AM – 2:00 PM

Conference room (2nd flr)

Mackenzie Recreational Centre

Agenda

- 1) Welcome & Introductions
- 2) Review Agenda
- 3) Evaluation Results (June 19, 2012)
- 4) Approve Meeting Summary (June 19, 2012)
- 5) BCTS Transition to Sustainable Forestry Initiative (SFI) Certification
- 6) Audit Updates:
 - a) Canfor Internal and External
 - b) BCTS Internal and External
- 7) Review of Draft 2011-12 Annual Report
- - - 12:00 Lunch - - -
- 8) Coarse Woody Debris (CWD) Update
 - a) Monitoring/baseline data collection.
- 9) Other:
 - a) PAG Member Recruitment
 - b) Mackenzie SFM Plan Website: <http://www.sfmptsa.com/>
- 10) Update on Actions
- 11) Expense Forms
- 12) Meeting Evaluation
- 13) Next Meeting



Meeting Summary

Attendance:

| | |
|--|--|
| <p><i>Public Advisory Group:</i> Ron Crosby Dave Forshaw Tom Briggs Vi Lambie Mark Fercho</p> | <p><i>Steering Committee & Advisors:</i> Denise Hogue – BCTS Andrew Preston - Canfor</p> |
| <p><i>Facilitator & Scribe:</i> Dwight Scott Wolfe (Tesera Systems Inc.)</p> | <p><i>Observers:</i> Pat Crook – District of Mackenzie</p> |

1) Welcome & Introductions

- a) Members signed in.
- b) Welcome by the Chair of the Steering Committee [Denise Hogue].
 - i) Meeting Guest: Pat Crook, Councillor for the District of Mackenzie

2) Confirmed agenda

- a) Agenda accepted as written.
- b) Discussion:
 - i) PAG member asked how the recently released *Mid-Term Timber Supply Action Plan* would affect the timber supply review that is currently underway in the Mackenzie TSA. LSC noted that there is the potential for a partitioned cut for bio-energy and a possible transition to more area-based tenures such as Tree Farm Licenses (although legislative changes will be required first).
 - ii) PAG member asked if the recommendations in the *Mid-Term Timber Supply Action Plan* would result in any changes to areas in the TSA currently protected for old-growth. LSC noted that if any changes are proposed, there will have to be a public review process.
 - iii) The *Mid-Term Timber Supply Action Plan* can be accessed here:
http://www.for.gov.bc.ca/hfp/mountain_pine_beetle/mid-term-timber-supply-project/MTTS-Action-Plan-201210.pdf
 - iv) PAG members noted that the Caribou Corridors are part of the Timber Supply Review and may impact timber supply.
 - v) Information on Recovery Initiatives for Caribou of Central BC can be accessed here:
<http://www.centralbccaribou.ca>.

Action Item #1: LSC to circulate the *Mid-Term Timber Supply Action Plan* and Caribou Recovery update to the PAG. **Due:** Next meeting.

3) Evaluation results for June 19, 2012.

- a) Evaluation results for June 19, 2012 were reviewed.
 - i) All results from the June 19, 2012 meeting met or exceeded the target except:
 - (1) Q 8: Were most PAG members involved in meeting? (3.4).
 - ii) Comments:
 - (1) PAG members were satisfied with the Field Trip and felt it was a nice diversion from the normal meetings.

4) Summary of the June 19, 2012 Meeting.

- a) Summary of the June 19, 2012 meeting accepted as written.

5) BCTS Transition to Sustainable Forestry Initiative (SFI) Certification

- a) Denise Hogue provided the PAG members with an update on the BCTS Transition to the Sustainable Forestry Initiative (SFI) Certification.
 - i) SFI is a US-based certification initiative with content very similar to CSA (<http://www.sfiprogram.org>).
 - ii) Denise showed the BCTS External website and map. The SFM plans are located on the website (https://www.for.gov.bc.ca/bcts/areas/TPG/TPG_SFM.htm).
 - iii) The SFI version of a Sustainable Forest Management Plan complies with all relevant regulations and policy including Occupational Health and Safety and continual improvement.
 - iv) Portions of the Business Area are not CSA certified (TFL 30 and Robson Valley). The goal is for the Business Area to be 100% certified so SFI provided the best approach. SFI is also a good fit with ISO 14001 (the basis for BCTS's internal Environmental Management System (EMS)). Standard Operating Procedures are maintained through the EMS - including action plans and follow-up.
 - v) SFI implementation was completed through an internal audit on August 10, 2012. SFI certification was achieved on September 4, 2012. KPMG did an external audit on October 9, 2012. This included a file review and a field audit. The goal is for BCTS to be fully certified through a provincial certificate by December 2012.
- b) Discussion:
 - i) PAG member asked if there is a commitment in SFI for communication with the public regarding BCTS's certification progress.

- (1) Denise noted that there is a comment form on the BCTS website for members of the public to provide comments and input into their Environmental Programs, Contracts and Licences.
(https://www.for.gov.bc.ca/BCTS/feedback/ems_commentform.htm?TPG).
 - (2) Denise also noted that she plans to attend each PAG meeting as an observer.
 - (3) BCTS also pledges to hold Open Houses each year in communities within the Business Area (including Prince George, McBride, Valement, and Mackenzie).
 - (4) There will be BCTS Operations staff at the Forest District Office in Mackenzie.
- ii) PAG member asked for more detail on how BCTS incorporates public comments obtained at an Open House into their forest management initiatives. Denise noted that for BCTS there are several ways for the public to engage with Operations:
- (a) Annual Operating Plan
 - (i) Engages with stakeholders (including mineral rights holders).
 - (ii) The Annual Operating Plan is not a legislative requirement. It provides a snapshot of operations planned for the next five years and is subject to change.
 - (iii) There is a notice for a 60-day review of the plan before BCTS moves forward with operations. The plan is posted online with hard copy plans and maps provided to First Nations. Each tenure holder also receives a letter with a map.
 - (iv) PAG member expressed concern that he was not receiving correspondence. Denise offered to discuss the PAG member's concerns and identify areas and appropriate contacts.
 - (b) Deactivation Plan
 - (i) Engages with stakeholders. Denise noted that the local BCTS office received calls almost immediately when this year's Deactivation Plan was published.
 - (ii) BCTS carried the long term liability for access roads that are not deactivated.
 - (iii) BCTS works with the Forest Service to address issues with stakeholders.
 - (c) Both the Annual Operating Plan and the Deactivation Plan are accessible through the Forest District office.
 - (d) Any enquiries regarding recreation issues need to be made to the Forest District Recreation Officer.
- (2) PAG member asked how BCTS follows up on silviculture issues. Denise stated that any member of the public can phone Denise or contact the Forest District office to find out who the appropriate contact person should be. Denise noted that there was a

recent Forest Practices Board audit of BCTS' operations in the Mackenzie District and the results were very favourable.

- (3) PAG member asked what proportion of the Allowable Annual Cut (AAC) in the Mackenzie TSA was apportioned to BCTS. Approximately 21% of the AAC (or 768,886m³) is apportioned to BCTS. This information can be found on page 38 of the Mackenzie SFM Plan (CSA).
- (4) PAG member asked how non-conformances work under the SFI Certification system. Denise stated that it depends on the frequency of the finding. If the finding is a one-off, then the finding would be deemed to be an Opportunity for Improvement (OFI), if the finding happens multiple times or across different audits, it could be elevated to a non-conformance. If the auditor finds an OFI in one Business Area, then there may be an internal review across the province (based on a risk assessment).
- (5) PAG member asked if the implementation of the proposed Natural Resource Road Act will require an Access Management Plan for the Mackenzie District. PAG member feels that there is the intent at the Forest District-level to do an Access Management Plan. Canfor noted that they try to do as little deactivation as possible. The expectation with the new, proposed legislation is that liability can be transferred to other resource users. PAG members feel that some roads should be deactivated to prohibit ATV use in these areas.
- (6) PAG member expressed concern over the letter from BCTS indicating that they were opting out of CSA Certification. The members feels better now that the transition process has been explained, and sees that the intent is the same between CSA and SFI.

6) Audit Updates:

a) Canfor Internal and External

i) Internal Audit

- (1) Conducted September 5-7, 2012 with a focus on Mackenzie operations.
- (2) No instances of non-compliance identified, No major non-conformities identified, No minor non-conformities identified.
- (3) Opportunities for Improvement (OFI) – related to the SFM Plan:
 - (a) Ensure required training (i.e. Aboriginal Awareness) that is complete is captured in internal systems (i.e. Eclipse);
 - (b) Indicator #1; consider including young and mid seral stages (while remaining focused on old) to fully describe/monitor the change in the seral stages in the DFA over time;

- (c) Indicator #7; may be more descriptive if the results showed % WT/WTP by LU & BEC vs. target allowing an annual assessment of achievement,
- (d) Indicator #18; revise the Canfor reportable petroleum spill level to match the limit in the 2011 and 2012 Emergency Preparedness and Response Plan (EPRP) (i.e. 50l not 20l),
- (e) Ensure the annual report & facilitators reports are posted to the external website in a timely fashion,
- (f) Consider the use of Fort St. John's Master PAG contact list.xls file as a "one file/simple" means to address clause 5.2(e)(i-v) in the Standard (page 12):
"establish and maintain a list of interested parties that includes
 - (i) those that chose to participate;*
 - (ii) those that decided not to participate;*
 - (iii) those that were unable to participate;*
 - (iv) the reasons for not participating, if provided; and*
 - (v) efforts within the organization to enable participation."*

(4) Best Management Practices – related to the SFM Plan:

- (a) No significant overachievement of WTP targets and Site Plans explicitly identify cases when WTP target overachieved.

ii) External Audit

(1) Conducted in March 2012 by KPMG

(2) Status of previous Non-conformities (NC) – related to the SFM Plan:

- (a) 2009 NC 04 – (weaknesses in the measures (indicators) included in the Vanderhoof SFM plan, including the lack of a carbon monitoring plan): \
 - (i) Although this finding was specific to Vanderhoof, the corporate portion of the action plan required the development of a carbon strategy for Canfor's FMG that will provide direction to SFM plan indicators for carbon storage and uptake).
 - (ii) The Company's progress towards the development of a corporate carbon strategy will be evaluated during the upcoming PG/TFL 30 site visit.
 - (iii) NC remains open.
- (b) 2011 NC 01 - (weaknesses in the Mackenzie SFM plan related to how it deals with licensees who are not signatory to the plan):
 - (i) The licensee team has completed an indicator-specific assessment of the risks posed to the achievement of SFM plan targets by the activities of non-signatory

licensees. Action plans (e.g. formation of the Mackenzie Landscape Objectives Working Group, etc.) have been developed to address those situations where it was determined that a risk to the achievement of SFM plan targets exists. An initial LOWG meeting has been held, and a data and cost sharing agreement has been developed.

(ii) Canfor is also developing Operating Area agreements between licensees.

(iii) NC closed.

(3) No new non-conformities related to the SFM Plan.

(4) Opportunities for Improvement (OFI) – related to the SFM Plan:

(a) CSA Z809 08 element 6 2 requires the organization establish DFA-specific performance requirements that: (1) address all of the CSA SFM elements, and (2) include, but are not necessarily limited to, the core indicators listed in the standard.

(i) Review of the February 2012 version of the Mackenzie SFM plan did not find any references to core indicator 2 2 2 - proportion of the calculated long term harvest level that is actually harvested.

(ii) Although it appears that the SFM plan does address this core indicator, it should be specifically referenced in relation to indicator #25 - Harvest Volume.

(b) CSA Z809-08 element 6.1 requires the organization to establish DFA-specific performance requirements (VOITs) that address all of the CSA SFM elements. It also requires that indicators be meaningful, and that appropriate targets be set in relation to them.

(i) Review of the target for Indicator #6 (Coarse Woody Debris) found that it has been set at 4 logs per hectare, a number that is taken directly from section 68 of the FPPR and which is not supported by any studies of historic CWD levels.

(c) CSA Z809-08 element 7.3.5 requires the organization to develop an SFM plan that includes various components, including a statement of values, objectives, indicators and targets.

(i) Review of the Mackenzie SFM plan VOIT table (Appendix F) found that a number of the explanatory dated comments accompanying the VOITs are dated, and refer to actions that were implemented some time ago.

(d) CSA Z809-08 element 7.4.3 requires the organization to prepare and make publically available an annual report of its performance under the SFM plan.

(i) Although a Mackenzie SFM plan annual report for 2010/11 was prepared and shared with the PAG, the following weaknesses were identified:

- Review of the 2010/11 Mackenzie SFM plan annual report found that there had been some double-counting of Canfor and BCTS results in relation to Indicator 28 – First Order Wood Products, which is intended to track the number of first-order wood products (e.g., sawlogs, pulp logs, lumber, etc.) produced from the DFA.
- There was a lack of supporting data (e.g., spreadsheets summarizing results in relation to various targets, etc.) to back-up some of the numbers reported by the operation in the 2010/11 annual report.

iii) Discussion:

- (1) PAG member asked in Canfor uses herbicides. Canfor noted that aerial spraying is used to a limited extent in the DFA.

b) BCTS Internal and External

i) Internal Audit

- (1) The Audit was conducted January 17-18 and February 3, 2012.
- (2) SFM standards require that an annual internal audit is conducted. No major or minor non-conformances were identified in the audit. An administrative review was completed to assess conformance to documentation standards. A field review of certain SFM indicators were completed on active and completed forest operations:
 - (a) Indicators 6, 23, 24, and 38 from the 2011 SFMP were reviewed.
- (3) Two (2) active timber sales were field visited and a completed brushing contract was also reviewed.
- (4) Findings specific to Mackenzie Operations relative to SFMS (CSA Z809 certification) include:
 - (a) Good Practices:
 - (i) Undertaking more inspections of Licensees, Permittees and Contractors (LPC's) that rate as high risk than is required by the Risk Rating process.
 - (ii) Risk assessment completed on how the non-signatory activities in the Mackenzie DFA may impact SFM Indicators.
 - (b) Opportunities for Improvement:
 - (i) Consider documenting the mechanism to measure the PAG satisfaction in the Mackenzie Terms of Reference. (Completed March 2012 as per the updated PAG ToR).

- (ii) Consider updating the BCTS website to include the latest KPMG audit report and the 2008 CSA Z809 standard.
- (iii) The audit found outdated SFM Policy's in licensee binders. Consider removing all outdated policy's from the internal office file when putting the licensee binders together to ensure the current policy is included.
- (iv) Visual Quality Objectives are only being verified by noting that the leave tree specifications have been met during the final harvest inspection. Consider documenting with photos from the viewpoints the actual results in the event there is a question at a later date with regards to the VQO's being achieved.
- (v) The audit found incidents with poor root cause analysis. Consider providing training to staff in this area to ensure preventative measures can be implemented to prevent a re-occurrence of an incident.
- (vi) Indicator 23 and 24: Consider revising the indicators write up to remove the variance on a legal requirement. Also consider revising the Current Status Table and the indicator write up to coincide in terms of the reportables.

(c) Audit conclusion:

- (i) BC Timber Sales SFM was in full compliance with CSA Z809 standards.
- (ii) SFM continues to be effectively implemented.
- (iii) The current SFM is sufficient to meet the commitments in the SFM Policy, provided the system continued to be implemented and maintained as required.

ii) External Audit

- (1) The Audit was conducted during the period June 11-15, 2012.
- (2) Status of previous Non-conformities (NC) – related to the SFM Plan:
 - (a) Lack of a formal assessment of the risk posed by the activities of non-signatory licensees to the targets included in the Mackenzie SFM Plan.
 - (i) The licensee team has completed an indicator-specific assessment of the risks posed to the achievement of SFM plan targets by the activities of non-signatory licensees. Action plans (e.g., formation of the Mackenzie Landscape Objectives Working Group, etc.) have been developed to address those situations where it was determined that a risk to the achievement of SFM plan targets exists. An initial LOWG meeting has been held, and a data and cost sharing agreement has been developed. BCTS recently completed the first analysis of the landscape level indicators that are being monitored by the Mackenzie LOWG.

- (3) No new non-conformities related to the SFM Plan.
- (4) Opportunities for Improvement (OFI) – related to the SFM Plan:
- (a) CSA Z809-08 element 6.2 requires the organization to establish DFA-specific performance requirements that: (1) address all of the CSA SFM elements, and (2) include, but are not necessarily limited to, the core indicators listed in the standard.
- (i) Review of the February 2012 version of the Mackenzie SFM plan did not find any references to core indicator 2.2.2 – proportion of the calculated long term harvest level that is actually harvested. Note: Although it appears that the SFM plan does address this core indicator, it should be specifically referenced in relation to indicator #25 - Harvest Volume.
- (b) CSA Z809-08 element 6.1 requires the organization to establish DFA-specific performance requirements (VOITs) that address all of the CSA SFM elements. It also requires that indicators be meaningful, and that appropriate targets be set in relation to them.
- (i) Review of the Mackenzie SFM plan target for Indicator #6 (Coarse Woody Debris) found that it has been set at 4 logs per hectare, a number that is taken directly from section 68 of the FPPR and which is not supported by any studies of historic CWD levels.
- (ii) Mackenzie SFM plan Indicator # 9 addresses unnatural sediment occurrences and relates to core indicator 3.1.1 – Soil Disturbance and indicator 3.2.1 – Water and Watershed Management. In 2010-2011 BCTS did not report any sedimentation events in the Mackenzie SFM plan annual report and in 2011-12 BCTS noted two sedimentation events. However, the audit identified the following concerns relative to Indicator # 9 regarding the potential for inconsistency in the detection of instances of sedimentation and annual reporting in relation to this indicator:
- Detection: The Mackenzie SFM plan and 2010/11 Annual Report indicate that sedimentation will be detected by forestry personnel during inspections and activities. However, BCTS Planning Staff stated that occurrences are noted based on incidents in the BCTS ITS. During audit field work KPMG held a number of discussions with BCTS personnel regarding detection of sedimentation events. BCTS staff were not clear on the definition of sedimentation and how the occurrence of sedimentation might affect sustainable forest management.

- Reporting: During audit field work KPMG noted an LPC self-inspection that documented a potential sedimentation issue and the Licensee mitigated the event. This is precisely the scenario that the indicator is oriented towards. However, it was not clear to KPMG how meaningful sedimentation events that do not result in incidents would get reported in the annual report.
- (c) CSA Z809-08 element 7.3.5 requires the organization to develop an SFM plan that includes various components, including a statement of values, objectives, indicators and targets. However, review of the Mackenzie SFM plan VOIT table (Appendix F) found that a number of the explanatory comments accompanying the VOITs are dated, and refer to actions that were implemented some time ago.
- (d) CSA Z809-08 element 7.4.3 requires the organization to prepare and make publically available an annual report of its performance under the SFM plan. However, although a Mackenzie SFM plan annual report for 2010/11 was prepared and shared with the PAG, review of the 2010/11 Mackenzie SFM plan annual report found that there had been some double-counting of Canfor and BCTS results in relation to Indicator 28 – First Order Wood Products, which is intended to track the number of first-order wood products (e.g., sawlogs, pulp logs, lumber, etc.) produced from the DFA.

iii) Discussion:

- (1) Denise also noted that there was an orderly transition to SFI implemented this fall:
 - (a) On September 4, 2012 there was an offsite document review by the auditor (with a focus on Training records for staff and contractors). It was noted by the auditor that VCTS needs to update their records
 - (b) On October 9, 2012, an External Audit of BCTS' SFI certification was completed
 - (i) The audit made special attention of fuel handling, fire preparedness and operations management.
 - (ii) No findings were made, and there was nothing noted that would preclude BCTS from getting SFI certification.
 - (c) BCTS plans to complete a Corporate Report on SFI certification in the summer of 2013.
- (2) PAG member asked if invasive plant specie wre addressed in SFI. BCTS noted that invasive plants are addressed in the SFI SFM Plan (follows existing regulations and practices)

(3) PAG member asked if Species at Risk is addressed in SFI. BCTS noted that the same standard operating procedures apply as found in the CSA standard and BCTS' Best Management Practices.

7) Mackenzie SFMP 2011/2012 Draft Annual Report

a) Andrew Preston provided a review of the draft 2011-2012 Annual Report.

i) The Draft Annual Report was distributed and will soon be available on the internet:

<http://www.canfor.com/responsibility/environmental/plans>

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

b) Executive Summary (pg 2):

i) Of the 48 indicators listed in the Annual Report, 41 indicators were met within the prescribed variances and 7 indicators were not met within the prescribed variances. A corrective and preventative action plan is contained in the indicator discussions for each non-conformance indicator

c) Indicators not met included:

i) #1 – Old Forest

(1) Canfor met.

(2) Two BCTS blocks did not meet the target.

ii) #2 – Interior Forest

(1) Canfor met.

(2) Two BCTS blocks did not meet the target.

iii) #8 - Riparian Management area effectiveness

(1) A machine entered a Machine Free Zone along a riparian reserve. There were no deleterious effects, but the incident should not have happened.

(2) This site was visited on the Field Trip.

iv) #25 – Harvest Volumes

| Signatory | Volume Harvested (CFP) or Sold (BCTS) | | | | | | 5 year Apportionment | Percent of 5 year cut in DFA |
|--------------|---------------------------------------|---------|---------|---------|---------|-----------|----------------------|------------------------------|
| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Total | | |
| | 07-08 | 08-09 | 09-10 | 10-11 | 11-12 | | | |
| Canfor | 491,314 | 105,011 | 127,478 | 526,900 | 725,114 | 1,975,817 | 5,414,520 | 36.5% |
| BCTS | 787,404 | 377,673 | 170,630 | 346,512 | 270,961 | 1,953,180 | 3,594,430 | 54.3% |
| Total | 1,278,718 | 482,684 | 298,108 | 873,412 | 996,075 | 3,928,997 | 9,008,950 | 43.6% |

(1) As expected by the LSC, this indicator was not met this year.

- (2) Trend is looking good though, Canfor plans to harvest about 1,000,000 m³ this year, and potentially more in 2013.
- (3) Harvesting more, combined with losing some of lower volume years will help us meet this target in the future.

v) #43 - Dispersed Retention Levels

- (1) Canfor met.
- (2) BCTS did not meet the target on one Standards Unit.
- (3) The prescription was for a certain amount of deciduous to be left standing. More deciduous trees were cut than was considered reasonably needed. Preventative actions were initiated

vi) #45 - Level of Direct and Indirect Employment

- (1) Canfor met.
- (2) If calculated as a whole, both Canfor and BCTS would have met this indicator, Canfor over achieved by 46 jobs, and BCTS was only shy by 18.5.
- (3) Indirect jobs are considered to be met when your direct jobs are met, as a result they were also not met.

vii) #48 - Understanding the Nature of Aboriginal Rights and Title

- (1) Neither BCTS or Canfor met this new indicator for the reporting period, which was anticipated
- (2) Both licensees were in transition to new training mechanisms.
- (3) New training is now in place and on target to meet this for next reporting period.

d) Some highlights from measures met included:

i) Indicator 18 – Reportable Spills

- (1) 0 were reported

ii) Indicator 23 – Free Growing

- (1) 198 Sus met, 100%

iii) Indicator 28 – Contract Opportunities to First Nations

- (1) Target of 5, achieved 30 across the DFA

Action Item #2: PAG members to provide comments on the draft Annual Report to the Facilitator by November 24, 2012.

8) Coarse Woody Debris (CWD) Update

- a) Andrew Preston provided an update on activities related to CWD monitoring and baseline data collection related to Indicator #6.
- b) In the summer of 2013, Canfor will conduct ground sampling to get baseline data on the amount of CWD we are leaving under our current logging practices (based on the review of a report written by Wildlife Infometrics in 2008). This project is in response to an OFI from the 2012 KPMG Audit as well as PAG concerns.
- c) With the results of this project, there is the potential to develop new best practices and changes to Indicator #6. Other Canfor divisions use Best Management Practices as an approach to addressing CWD targets in plans.
- d) The LSC noted that a new provincial regulation on CWD will not be forthcoming in the near future.

9) Indicator 4 - Productive Forest Representation

- a) Andrew Preston provided information on an upcoming project related to Indicator 4 – Productive Forest Representation.
- b) In the fall / winter of 2012-13, Canfor will update the targets for Indicator 4, based on new data that was acquired through the Ecosystem Representation Analysis (ERA) work done over the past 2 years. The proposed changes will be reflected in Table 9 in the SFM Plan (pgs. 54-55).

10) Other

- a) PAG Member Recruitment
 - i) PAG and LSC discussed recent follow-up discussions to try and increase the sector representation on the PAG.
- b) Mackenzie SFM Plan Website
 - i) The Mackenzie DFA has been added to the existing website for the Prince George TSA SFM Planning Process. <http://www.sfmptsa.com/>
 - ii) This website serves as public access to PAG materials related to the Mackenzie SFM Plan.

11) Actions updated

See Action Table (below)

- a) Action ID - April 29-03: Ongoing.
- b) Action ID - May 27-03: Ongoing.

c) Action ID – Oct 26 - 03: Information provided via email. The report on the Forest Practices Board Audit of BCTS Operations in the Mackenzie District can be found here: http://www.fpb.gov.bc.ca/ARC138_Audit_of_Mackenzie_District.htm#. Action completed.

d) Action ID – Oct 26 - 04: Spring 2012. The status of the Phillips Forest Service Road is as follows:

- i) It is now called the Community Connector and Mt Milligan holds the maintenance obligations as they are the expected long term user.
- ii) Other industrial users who also use the Community Connector (and other roads for that matter) pay a weighted average for road maintenance based on their usage. This is managed by a Road Users Committee.
- iii) All industrial users are to have identification plates on the front of their vehicles.

Action completed.

e) Action ID – Mar 7 - 01: Spring 2012. Information provided via email.

Information on Species At Risk in the Mackenzie District can be accessed through the BC Conservation Data Centre’s application called BC Species and Ecosystems Explorer. It is located at the following publicly accessible link: <http://www.env.gov.bc.ca/cdc/access.html>. Once a person is at this website, simply click on the application and you are able to query to the plant/animal you are interested in. Queries can be done in a variety of ways including common name or latin name, then the user is able to see more information on that species, including a photo. Action completed.

f) Action ID – Mar 7 - 04: Spring 2012.

g) Action ID – June 19 - 01: Copies of the draft 2011-12 Annual Report were distributed to PAG members. Action completed.

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

13) Next meeting:

Meeting date to be determined (Winter 2013)

10:00 AM – 4:00 PM

Mackenzie Recreation Centre – Conference Room (2nd Floor)

14) 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 |

Mackenzie SFMP PAG Meeting Summary – October 24, 2012

| ID# | ACTION | WHO | DEADLINE | STATUS |
|--------------|--|-----------------------------|-----------------|---------------|
| May 27-03 | Add a non-timber benefits issue to the Continuous Improvement Matrix. | Licensee Steering Committee | March 31, 2011. | Ongoing |
| Oct 26 - 03 | Provide PAG members with the results of the Forest Practices Board Audit of BCTS Operations in the Mackenzie District. | Licensee Steering Committee | Spring 2012 | Completed |
| Oct 26 - 04 | Confirm with the PAG the status of the Phillips Forest Service Road. | Licensee Steering Committee | Spring 2012 | Completed |
| Mar 7 - 01 | Provide PAG members with a link to more information on Species at Risk in the DFA. | Licensee Steering Committee | Spring 2012 | Completed |
| Mar 7 - 04 | Provide recce information on the November 2010 blowdown event to the McLeod Lake Mackenzie Community Forest. | BCTS | Spring 2012 | |
| June 19 – 01 | Distribute the draft 2011-12 Annual Report to the PAG. | Licensee Steering Committee | Next meeting | Completed |
| Oct 24 - 01 | Circulate the Mid-Term Timber Supply Action Plan and Caribou Recovery update to the PAG. | Licensee Steering Committee | Next meeting | |
| Oct 24 - 02 | Provide comments on the draft Annual Report to the Facilitator. | PAG | Nov 24, 2012 | |



Mackenzie SFMP



PAG Meeting

March 27, 2013

10:00 AM – 2:00 PM

Conference room (2nd flr)

Mackenzie Recreational Centre

Agenda

- 1) Welcome & Introductions
- 2) Review Agenda
- 3) Evaluation Results (October 24, 2012)
- 4) Approve Meeting Summary (October 24, 2012)
- 5) Review of the Terms of Reference
- 6) Indicator Revisions
 - a) Minor revisions to SFM indicators
- 7) SFM Plan Revisions
 - a) Due to BCTS transition to SFI certification
- 8) Audit Schedule for 2013
- - - 12:00 Lunch - - -
- 9) Presentation on the November 2010 blowdown event in the McLeod Lake Mackenzie Community Forest.
 - a) Update on Action Item Mar 7-04
- 10) Field Trip
 - a) Timing and Topics for a Field Trip in 2013
- 11) Mackenzie SFM Plan Website: <http://www.sfmptsa.com/>
- 12) Other:
 - a)
- 13) Update on Actions
- 14) Expense Forms
- 15) Meeting Evaluation
- 16) Next Meeting



Meeting Summary

Attendance:

| | | |
|--|--|--|
| <i>Public Advisory Group:</i> Tom Briggs Alec Chingee Ron Crosby | | <i>Steering Committee & Advisors:</i> Andrew Preston - Canfor |
| Dave Forshaw Stephanie Killam Lawrence Napier | | |
| <i>Facilitator & Scribe:</i> Dwight Scott Wolfe (Tesera Systems Inc.) | | <i>Observers:</i> Steve Knowles – BCTS |

1) Welcome & Introductions

- a) Members signed in.
- b) Welcome by the Chair of the Steering Committee [Andrew Preston].
 - i) PAG members welcomed Alec Chingee as the representative for the McLeod Lake First Nation.

2) Confirmed agenda

- a) Agenda accepted as written.

3) Evaluation results for October 24, 2012.

- a) Evaluation results for October 24, 2012 were reviewed.
 - i) All results from the meeting met or exceeded the target except:
 - (1) Q 8: Were most PAG members involved in meeting? (3.6).

4) Summary of the October 24, 2012 Meeting.

- a) Summary of the October 24, 2012 meeting accepted as written.

5) Review of the Terms of Reference.

- a) PAG members reached consensus on the following changes to the Terms of Reference (changes and additions italicised):
 - i) Date of Terms of Reference changed to *March 27, 2013*.
 - ii) Text modified to reflect that BCTS is no longer signatory to the Mackenzie SFM Plan.
 - iii) Section 11 Revised:
 - (1) Dates changed to:

Public Advisory Group Date: *March 27, 2013*

Mackenzie SFMP Steering Committee Date: *March 27, 2013*

b) Discussion:

- i) PAG members still concerned with BCTS stepping away from CSA Certification. PAG members noted that a BCTS observer was present at the meeting.
- ii) PAG member noted that it is still a challenge to have more First Nations representatives attend PAG meetings.
- iii) PAG member noted that the Alternate for the Trappers recently passed away. The PAG Representative for the Trappers noted that a new alternate would be appointed at their upcoming AGM.

6) Indicator Revisions:

a) Background:

- i) The LSC recognized the effort that the PAG members put into updating the indicators in the SFM Plan. The LSC has completed one full reporting cycle and recommends a number of changes to make the reporting more effective, and to recognize that BCTS is no longer signatory to the SFM Plan.

b) Specific Changes to Indicators

i) Indicator #1 – *Late Seral*.

- (1) Current Indicator Statement: Percent of blocks and roads harvested that meet the prescribed old growth targets. Target: 100%. Variance: 0.
- (2) Proposed Indicator Statement: Percent of blocks that are within LU/BEC Groups that meet prescribed old-growth targets. Target: 100%. Variance: 0.
- (3) Discussion:
 - (a) LSC rationale: The intent of this indicator is to ensure there is enough old growth across the landscape, roads are not removing a lot of old growth. As roads are associated with cutblocks, the roads will meet the targets as long as the cutblocks are in compliance.
 - (b) PAG members want to ensure that the environment is protected along road right of ways.
- (4) PAG consensus on the LSC recommendation to change the wording of the indicator statement to: *Percent of blocks that are within LU/BEC Groups that meet prescribed old-growth targets. Target: 100%. Variance: 0.*

ii) Indicator #2 – *Interior Old*.

- (1) Current Indicator Statement: Percent of blocks and roads harvested that meet the prescribed interior old targets. Target: 100%. Variance: 0.
 - (2) Proposed Indicator Statement: Percent of blocks that are within LU/BEC Groups that meet prescribed Interior Old targets. Target: 100%. Variance: 0.
 - (3) Discussion:
 - (a) LSC rationale: Another indicator that mentions roads, the intent of this is to ensure there is enough Interior Old across the landscape, roads have little effect. As roads are associated with cutblocks, they will meet the targets as long as the cutblocks are in compliance.
 - (4) PAG consensus on the LSC recommendation to change the wording of the indicator statement to: *Percent of blocks that are within LU/BEC Groups that meet prescribed Interior Old targets. Target: 100%. Variance: 0.*
- iii) Indicator #3 – *Protected Areas.*
- (1) Current Indicator Statement: Percentage of blocks and roads harvested that are not within legally established protected areas, ecological reserves, or OGMAs. Target: 100%. Variance: 0.
 - (2) Proposed Indicator Statement: Percentage of blocks and roads harvested that do not comply with Orders which legally establish protected areas, ecological reserves, or OGMAs. Target: 100%. Variance: 0.
 - (3) Discussion:
 - (a) LSC rationale: Statement is slightly confusing and could end up isolating timber. According to Section 5.5 of the Mackenzie Phase 1 Sustainable Land Use and Resource Plan, “the OGMA boundary may be modified to conform to the cutblock boundary. This would be undertaken to avoid isolating timber and create a more defined boundary for future reference”. This “exception to the rule” would only be employed at the direction of a forest professional and to avoid timber isolation, OGMAs will not be “targeted” for harvesting.
 - (b) PAG members requested that the LSC note in the Annual Report if any boundary changes occurred to established OGMA’s, and add this reporting requirement to the indicator detail sheet in the SFM Plan.
- Action Item 1:** LSC to note in the Annual Report if any boundary changes occurred to established OGMA’s, and add this reporting requirement to the indicator detail sheet in the SFM Plan. **Due:** Next meeting.
- (4) PAG consensus on the LSC recommendation to change the wording of the indicator statement to: *Percentage of blocks and roads harvested that do not comply with*

*Orders which legally establish protected areas, ecological reserves, or OGMAs.
Target: 100%. Variance: 0.*

iv) Indicator #4 – Productive Forest Representation

(1) Current Indicator Statement: Percent productive forest by BEC variant represented within the non-harvestable land base. Target: As per the table (in the SFM Plan). Variance: 0.

(2) Proposed Indicator Statement: Total hectares logged in rare and un-common ecosystems. Target: 0 hectares. Variance: 0.

(3) Discussion:

(a) LSC rationale: Thought to be a “non-meaningful” indicator as it pertains to what is outside of our influence. Knowing what is outside the THLB is good to know, but indicator should be in association with what is within the THLB.

(b) LSC noted that Rare and un-common ecosystems in the DFA will be derived from the Ecosystem Representation Analysis done last year.

(c) PAG members asked if roads were considered “logged” for this indicator. LSC noted that roads are included in the definition of “logged” for this indicator.

(d) PAG requested that the LSC revise the indicator detail sheet to include roads in the definition of “logged”.

Action Item 2: LSC to revise the indicator detail sheet to include roads in the definition of “logged”. **Due:** Next meeting.

(4) PAG consensus on the LSC recommendation to change the wording of the indicator statement to: *Total hectares logged in rare and un-common ecosystems. Target: 0 hectares. Variance: 0.*

v) Indicator #5 – Patch Size.

(1) Current 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%.

(2) Proposed Indicator Statement: Percentage of blocks harvested that meet the prescribed patch size target ranges or are trending towards the target range. Target: 100%. Variance: -30%.

(3) Discussion:

(a) LSC rationale: Roads are not patches, if they were it would link all blocks and they would all be one big patch. Also most roads tend to be within patches.

- (4) PAG consensus on the LSC recommendation to change the wording of the indicator statement to: *Percentage of blocks harvested that meet the prescribed patch size target ranges or are trending towards the target range. Target: 100%. Variance: -30%.*
- vi) Indicator #5 – *Coarse Woody Debris*
- (1) Current Indicator Statement: The percentage of blocks and roads harvested that exceed coarse woody debris requirements. Target: 100%. Variance: 0.
- (2) Proposed Indicator Statement: The percentage of blocks harvested that exceed coarse woody debris requirements as set out in Site Plans. Target: 100%. Variance: 0.
- (3) Discussion:
- (a) LSC rationale: coarse woody debris is not managed on roads, also mentioning requirements as set out in the SP gives the Forester the flexibility to set the target above the minimums.
- (4) PAG consensus on the LSC recommendation to change the wording of the indicator statement to: *The percentage of blocks harvested that exceed coarse woody debris requirements as set out in Site Plans. Target: 100%. Variance: 0.*
- vii) Indicator #18 – *Oil Spills*
- (1) There are no proposed changes to this indicator, but it was noticed that the table in the SFM Plan was incorrect. Note that Canfor reports when greater than 50L of petroleum, solvents, and grease are spilled. Reporting is unchanged.
- viii) Indicator #19 - *Site conversion*
- (1) Current Indicator Statement: Area of THLB converted to non-forest land use through forest management activities. Target: <5%. Variance: 0.
- (2) Proposed Indicator Statement: The percent of gross land base in the DFA converted to non-forested land use through forest management activities. Target: TBD. Variance: 0.
- (3) Discussion:
- (a) LSC rationale: Would like to switch this to measure area of Gross Land Base as opposed to Timber Harvesting Land Base. THLB changes, Gross does not.
- (b) PAG member asked how much road remains to be built in the DFA. LSC will provide this information at a future meeting.
- (4) PAG consensus on the LSC recommendation to change the wording of the indicator statement to: *The percent of gross land base in the DFA converted to non-forested land use through forest management activities. Target: TBD. Variance: 0.*

ix) Indicator #22 - *Regeneration*

- (1) Current Indicator Statement: Percent of standard units declared stocked prior to the regeneration date, consistent with operational plans. Target: 100%. Variance: -5%.
- (2) Proposed Indicator Statement: The regeneration delay, by area, for stands established annually. Target: <4 years for Artificial Regen, and <7 for Natural Regen. Variance: 0.
- (3) Discussion:
 - (a) LSC rationale: This revised indicator will give an actual number in years, which is weighted by area.
 - (b) PAG member asked how a naturally regenerated block will be tracked if it requires fill-planting. The LSC stated that the block will continue to be tracked as natural regen.
- (4) PAG consensus on the LSC recommendation to change the wording of the indicator statement to: *The regeneration delay, by area, for stands established annually. Target: <4 years for Artificial Regen, and <7 for Natural Regen. Variance: 0.*

x) Indicator #23 - *Reforestation Success*

- (1) Current Indicator Statement: Percent of standard units declared Free Growing prior to the late free growing assessment date. Target: 100%. Variance: -5%.
- (2) Proposed Indicator Statement: The % of block area that meets free growing requirements as identified in site plans. Target: 100%. Variance: -5%.
- (3) Discussion:
 - (a) LSC rationale: instead of reporting on SU's we will be reporting on area.
 - (b) PAG member asked if a portion of a block can be declared free-frowing. LSC noted that this would occur only if the harvesting of the block was staggered across a number of years. This approach is complicated to manage and is rarely done.
- (4) PAG consensus on the LSC recommendation to change the wording of the indicator statement to: *Percent of standard units declared Free Growing prior to the late free growing assessment date. Target: 100%. Variance: -5%.*

xi) Indicator #48 - *Understanding of the nature of Aboriginal Rights and Title*

- (1) Current Indicator Statement: Employees will receive First Nations awareness training. Target: 100%. Variance: -10%.
- (2) Proposed Indicator Statement: FMG employees will receive First Nations Awareness training as per the FMG Training Matrix. Target: 100%. Variance: -10%.

(3) Discussion:

(a) LSC rationale: Current statement is not in-tune with Canfor training policies, this change will provide clarity. Canfor training policy does not require ALL employees to receive this training. Ex. FMG Accountants will not receive the training.

xii) PAG consensus on the LSC recommendation to change the wording of the indicator statement to: *FMG employees will receive First Nations Awareness training as per the FMG Training Matrix. Target: 100%. Variance: -10%.*

7) SFM Plan Revisions

a) Andrew Preston advised the PAG members that over the next year, a number of revisions to the SFM Plan will be presented:

- i) Changes to the text due to BCTS no longer being signatory to the SFM Plan.
- ii) Changes to the DFA boundary and associated statistics.
- iii) Changes to the Indicator Detail Sheets.

8) Audit Schedule for 2013

a) Andrew Preston informed the PAG members that there will be audits this year in late October:

- i) Internal Auditor – Phil Carruthers
- ii) External Auditor - KPMG

b) Both audits will be on-site.

9) Presentation on the November 2010 blowdown event in the McLeod Lake Mackenzie Community Forest

a) Andrew Preston provided information on the November 2010 blowdown event in the McLeod Lake Mackenzie Community Forest. The largest events occurred on the BCTS Operating Area. BCTS has since put three areas up for sale:

- i) Booth Creek Area
- ii) North side of Highway 97 (10-12 km north of Mackenzie Junction)
- iii) Scott Creek Area

No bids were received on the Scott Creek sale. There is some blowdown within the Community Forest. The Community Forest completed a recce and see opportunity to log some blowdown along their southern boundary. Canfor found some blowdown in their Operating Area at km 120 of the Findley (near Curve Lake).

b) Discussion:

- i) PAG member asked about the criteria used to delineate the blowdown areas. LSC noted that the parcels needed to be large and contiguous enough for possible logging.
- ii) PAG member asked if these areas would still be viable to harvest after over two years since the blowdown event. LSC noted that the areas are still viable if logged correctly.

10) Field Trip

- a) PAG members discussed the opportunity for another Field Trip this year. The following topics were considered:
 - i) North of the Nation River / Manson River area.
 - ii) Visit some blocks scheduled for site preparation in August (to address stem rusts).

Action Item 3: PAG to provide topics for the upcoming field trip to the Facilitator. **Due:** Next meeting.

11) Mackenzie SFM Plan Website

- a) The Mackenzie DFA has been added to the existing website for the Prince George TSA SFM Planning Process. <http://www.sfmptsa.com/>
- b) This website serves as public access to PAG materials related to the Mackenzie SFM Plan.

12) Other

- a) Resources North Conference and AGM
 - i) The event is scheduled for June 19-20, 2013 in Prince George. Details and registration can be found at the following website:
<https://event-wizard.com/ComingTogether/0/register/>

13) Actions updated

See Action Table (below)

- a) Action ID - April 29-03: Ongoing.
- b) Action ID - May 27-03: Action completed.
- c) Action ID – Mar 7 - 04: Recce information on the November 2010 blowdown event in the McLeod Lake Mackenzie Community Forest presented at this meeting. Action completed.
- d) Action ID – Oct 24 - 02: No comments received. Action completed.

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

15) Next meeting:

Meeting date to be determined (Summer 2013)

10:00 AM – 4:00 PM

Mackenzie Recreation Centre – Conference Room (2nd Floor)

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 |
| May 27-03 | Add a non-timber benefits issue to the Continuous Improvement Matrix. | Licensee Steering Committee | March 31, 2011. | Completed |
| Mar 7 - 04 | Provide recce information on the November 2010 blowdown event to the McLeod Lake Mackenzie Community Forest. | BCTS | Spring 2012 | Completed |
| Oct 24 - 02 | Provide comments on the draft Annual Report to the Facilitator. | PAG | Nov 24, 2012 | Completed |
| Mar 27 - 01 | Note in the Annual Report if any boundary changes occurred to established OGMA's, and add this reporting requirement to the indicator detail sheet for Indicator 3 in the SFM Plan. | Licensee Steering Committee | Next meeting | |
| Mar 27 - 02 | Revise the indicator detail sheet for Indicator # 4 to include roads in the definition of "logged". | Licensee Steering Committee | Next meeting | |
| Mar 27 - 03 | Provide topics for the upcoming field trip to the Facilitator | PAG | Next meeting | |
| Mar 27 - 04 | Revise the indicator detail sheet for Indicator # 4 to include roads in the definition of "logged". | Licensee Steering Committee | Next meeting | |



Public Advisory Group (PAG) Evaluation Form

PAG Meeting Date: March 27, 2013 PAG Member _____ Licensee Team ____ Guest _____

The purpose of this form is to provide an opportunity for PAG members to evaluate the effectiveness of the public participation process with the goal of facilitating continual improvement.

| Please evaluate the following: | Very poor (1) | Poor (2) | Average (3) | Good (4) | Very good (5) |
|---|---------------|----------|-------------|----------|---------------|
| A. Meeting and PAG Process | | | | | |
| 1. I have a good understanding of the purpose of the PAG and my role as part of that group. | | | | | |
| 2. Information provided in advance of meetings allows me to effectively contribute at meeting. | | | | | |
| 3. The meeting agenda is reviewed prior to the meeting and followed | | | | | |
| 4. The meeting minutes capture important aspects of the meeting including actions, progress updates, and any decisions. | | | | | |
| 5. Communication with PAG members between meetings is adequate. | | | | | |
| 6. Licensees' share new information with PAG members regarding impacts to the environment, sustainability, forestry, etc. | | | | | |
| 7. The PAG Terms of reference are followed. | | | | | |
| 8. Were most PAG members involved in meeting? | | | | | |
| 9. Was there a positive atmosphere for the meeting? | | | | | |
| 10. Was information presented clearly at the meeting? | | | | | |
| 11. What is your overall satisfaction with the PAG process? | | | | | |
| 12. Ex-officio, licensee, or technical team members were organized and prepared for meeting. | | | | | |
| B. PAG Meeting Facilitation: | | | | | |
| 13. PAG meeting facilitator was organized and prepared. | | | | | |
| 14. PAG meeting facilitator strived for consensus decision making. | | | | | |
| 15. Facilitator actively listened to concerns and viewpoints expressed during the meeting. | | | | | |
| 16. PAG meeting facilitator addressed process issues. | | | | | |
| 17. PAG meeting facilitator remained neutral on content issues | | | | | |
| 18. PAG meeting facilitator kept the meeting focused and moving. | | | | | |
| C. Meeting Logistics: | | | | | |
| 19. Was the meeting location convenient? | | | | | |
| 20. Was the timing of the meeting convenient? | | | | | |
| 21. Was the meal provided for the meeting good? | | | | | |

(Over)



Mackenzie SFMP



Public Advisory Group (PAG) Evaluation Form

Your Suggestions – Please list ways to improve on subsequent PAG meetings:

1.

2.

3.

General Comments – Please provide any comments or suggestions that you feel would improve the PAG process, the SFM Plan or Annual Report or subsequent meetings or suggestions for speakers:



PAG Meeting Date: October 24, 2012 PAG Member _____ Licensee Team ___ Guest ___

The purpose of this form is to provide an opportunity for PAG members to evaluate the effectiveness of the public participation process with the goal of facilitating continual improvement.

| Please evaluate the following: | Very poor (1) | Poor (2) | Average (3) | Good (4) | Very good (5) |
|---|---------------|----------|-------------|----------|---------------|
| A. Meeting and PAG Process | | | | | |
| 1. I have a good understanding of the purpose of the PAG and my role as part of that group. | | | | | |
| 2. Information provided in advance of meetings allows me to effectively contribute at meeting. | | | | | |
| 3. The meeting agenda is reviewed prior to the meeting and followed | | | | | |
| 4. The meeting minutes capture important aspects of the meeting including actions, progress updates, and any decisions. | | | | | |
| 5. Communication with PAG members between meetings is adequate. | | | | | |
| 6. Licensees' share new information with PAG members regarding impacts to the environment, sustainability, forestry, etc. | | | | | |
| 7. The PAG Terms of reference are followed. | | | | | |
| 8. Were most PAG members involved in meeting? | | | | | |
| 9. Was there a positive atmosphere for the meeting? | | | | | |
| 10. Was information presented clearly at the meeting? | | | | | |
| 11. What is your overall satisfaction with the PAG process? | | | | | |
| 12. Ex-officio, licensee, or technical team members were organized and prepared for meeting. | | | | | |
| B. PAG Meeting Facilitation: | | | | | |
| 13. PAG meeting facilitator was organized and prepared. | | | | | |
| 14. PAG meeting facilitator strived for consensus decision making. | | | | | |
| 15. Facilitator actively listened to concerns and viewpoints expressed during the meeting. | | | | | |
| 16. PAG meeting facilitator addressed process issues. | | | | | |
| 17. PAG meeting facilitator remained neutral on content issues | | | | | |
| 18. PAG meeting facilitator kept the meeting focused and moving. | | | | | |
| C. Meeting Logistics: | | | | | |
| 19. Was the meeting location convenient? | | | | | |
| 20. Was the timing of the meeting convenient? | | | | | |
| 21. Was the meal provided for the meeting good? | | | | | |
| D. Yearly Assessment (Pertains to Annual Reporting, PAG Recruitment and PAG Representation): | | | | | |
| 22. Efforts have been made to incorporate concerns related to SFM values and objectives into the SFM Plan. | | | | | |
| 23. Concerns related to SFM indicators and targets are being adequately listened to at PAG meetings. | | | | | |
| 24. Efforts have been made to incorporate my concerns related to SFM indicators and targets into the SFM Plan. | | | | | |
| 25. The outputs generated through discussion with the PAG (SFM Plan and annual monitoring reports) are clear and concise. | | | | | |
| 26. Licensees' have made an effort to recruit new PAG members as needed. | | | | | |
| 27. A broad cross-section of the community is represented at PAG meetings. | | | | | |

(OVER)



Mackenzie SFMP



BCTS
BC Timber Sales
Pursue Progress. Respect the Area.

Public Advisory Group (PAG) Evaluation Form

Your Suggestions – Please list ways to improve on subsequent PAG meetings:

1.

2.

3.

General Comments – Please provide any comments or suggestions that you feel would improve the PAG process, the SFM Plan or Annual Report or subsequent meetings:



Mackenzie SFMP



Public Advisory Group

Summary of Comments from June 19, 2012 PAG meeting

Meetings

- None

Facilitator

- None

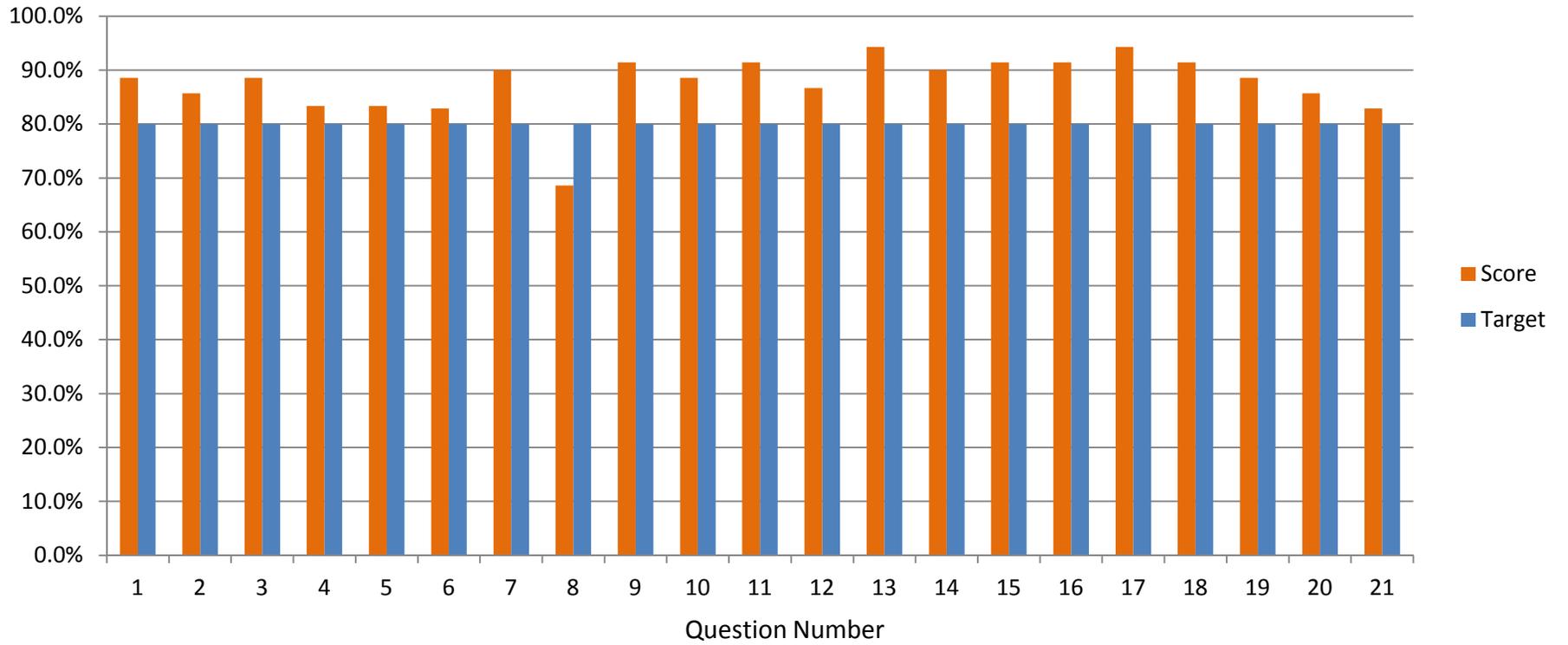
Meeting Logistics

- None

Suggestions

- From PAG Member: "I am satisfied with the progress."
- From LSC Member: " The field visit was a good change in atmosphere from the office environment. Appreciated all of the PAG and guest members attendance."-Denise Hogue

June 19, 2012 PAG Field Tour
Questionnaire Results





Mackenzie SFMP



Public Advisory Group

Summary of Comments from October 24, 2012 PAG meeting

Meetings

- None

Facilitator

- None

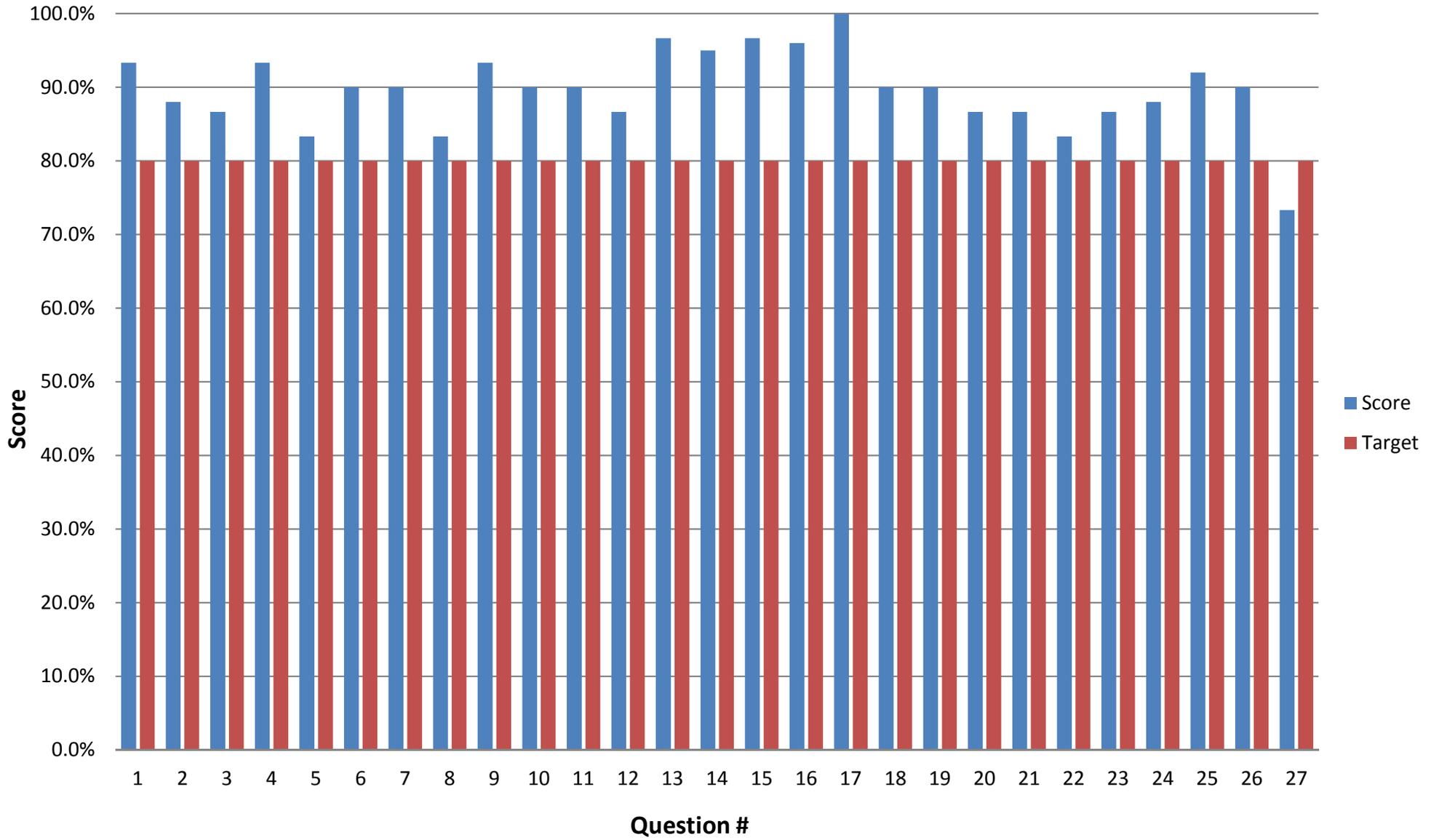
Meeting Logistics

- None

Suggestions

- From PAG Member: "need more PAG members."
- From PAG Member: "Videos – pictures – site visits help us to understand PAG."
- From PAG Member: Continue to try and bring on new members.
- From LSC Member: "Have guest speaker from tenures/stewardship of FLNRO attend to answer questions relating to government processes, strategic planning, budgetary focus, tenure concerns, communication with public etc. (maybe the DM)

October 24, 2012 PAG Meeting Survey Results





Mackenzie SFMP



Public Advisory Group

Summary of Comments from March 27, 2013 PAG meeting

Meetings

- None

Facilitator

- None

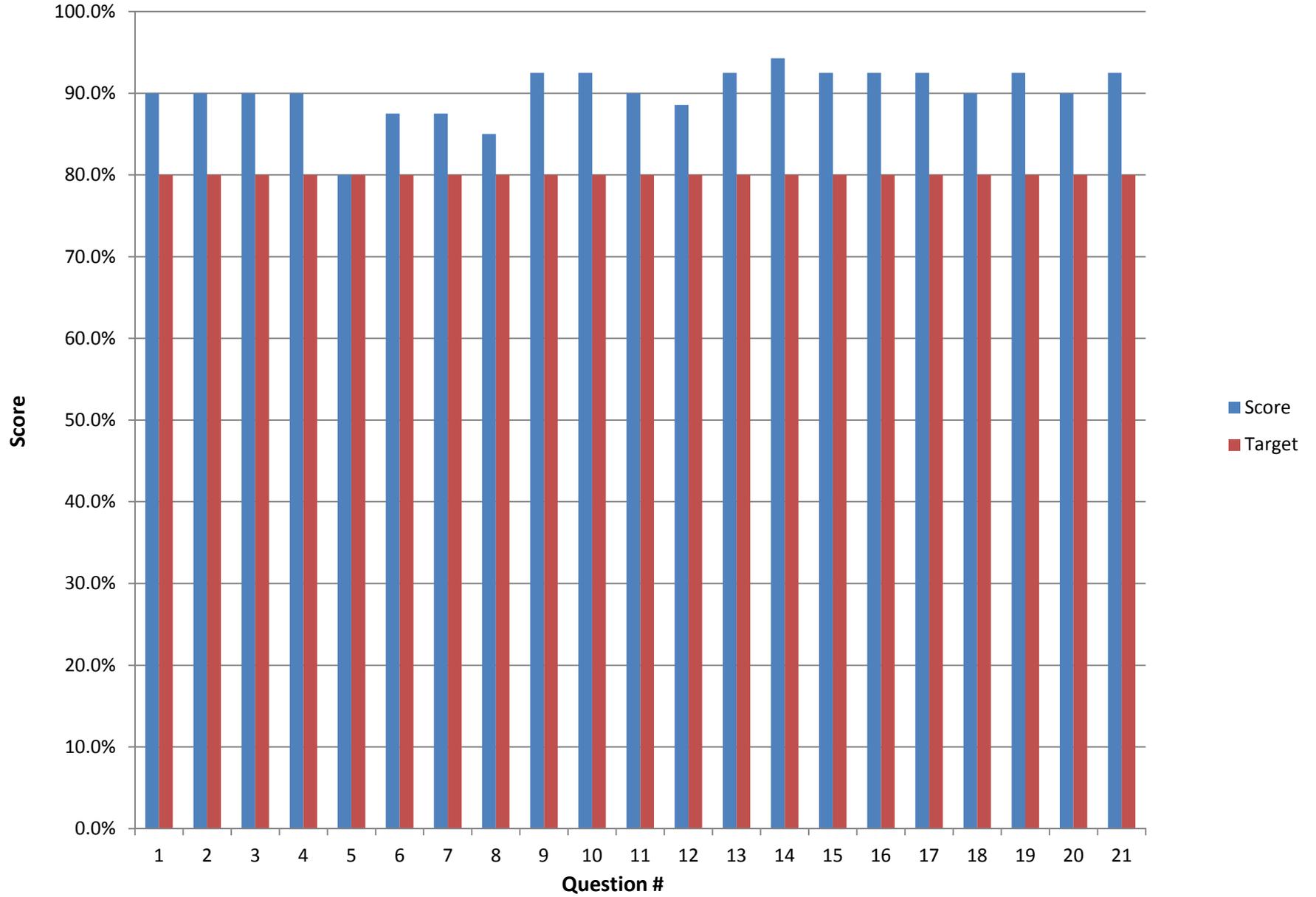
Meeting Logistics

- None

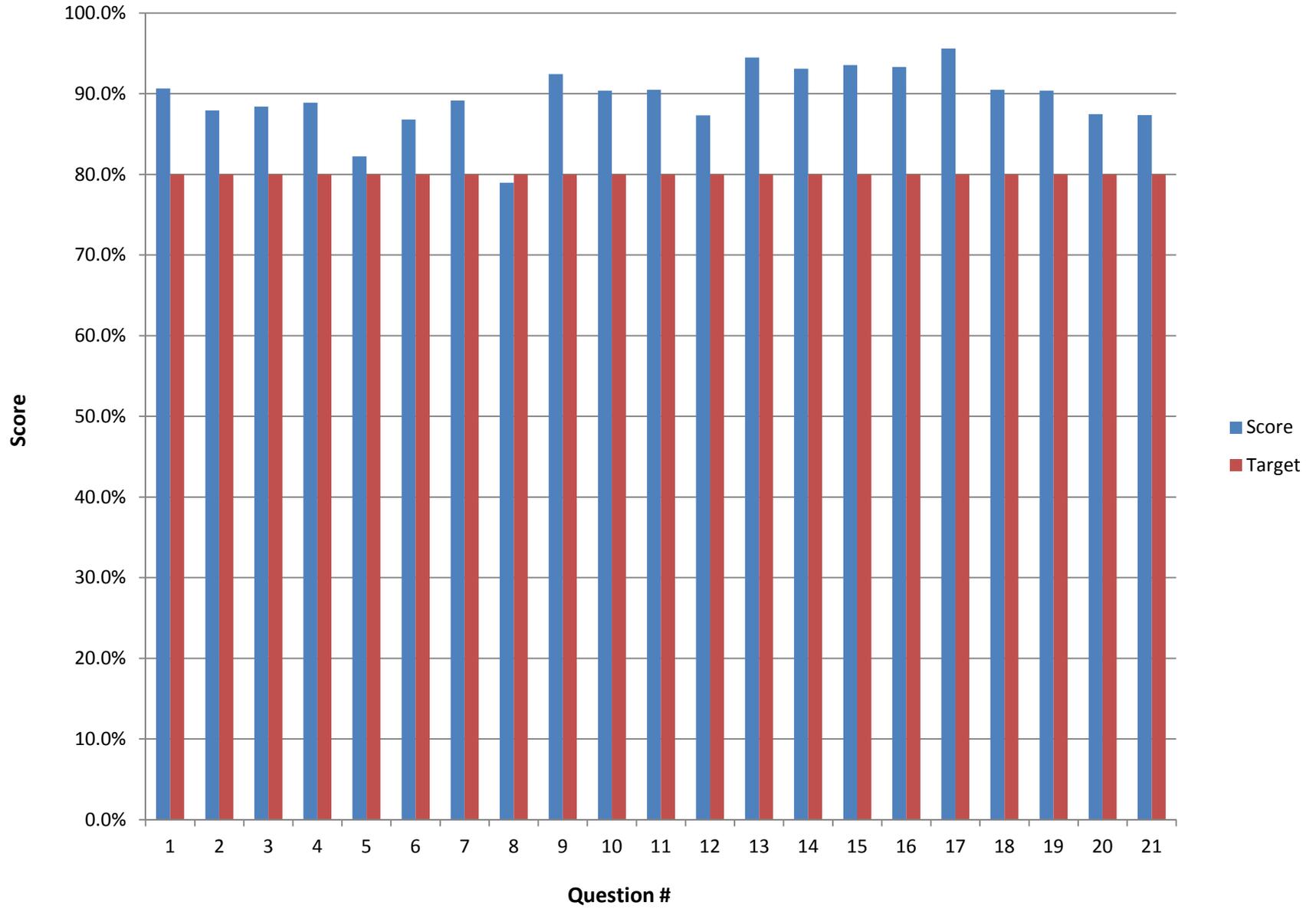
Suggestions

- From PAG Member: "Everything seems to be going good at this time."
- From PAG Member: "Keep an eye on the Caribou Recovery Plan."

March 27, 2013 Evaluation Form Results



Average Score for 2012-2013 Reporting Year



Are YOU interested in how Public Forests are managed? Do YOU want to be involved in a public process? Can YOU spare a couple days per year?

If you answered yes to any of the above questions you are invited to join the Public Advisory Group (PAG) for the BC Timber Sales (BCTS)/Canfor Sustainable Forest Management Plan (SFMP) that is certified by the Canadian Standards Association(CSA). This group meets between 2 and 4 times a year in Mackenzie and as a member you can help form forest planning decisions and practices. The Licensee Steering Committee (LSC) comprised of representatives from both BCTS and Canfor invite any and all to become a member of this voluntary group. We (the LSC) are seeking wide representation from all corners and aspects of the community. New members are always encouraged and every member is an equal asset to the group. Responsibilities of a PAG member include:

- Learning about Sustainable Forest Management;
- Attending Meetings;
- Identifying & selecting measures & targets to address biodiversity, water, sustainable development, etc.;
- Developing, assessing, & selecting strategies;
- Designing monitoring programs, evaluating results, & recommending improvements; &
- Discussing & resolving any issues relevant to the SFMP.

Upcoming events include a field tour, guest speakers and presentations.

For more information you can contact either of the LSC Joint Chairs listed below, or go to any of these websites:

http://www.csa-international.org/product_areas/forest_products_marking/Default.asp?language=english

<http://www.canfor.com/responsibility/environmental/certification>

http://www.for.gov.bc.ca/bcts/forestCertification/sfm_certification.htm

BCTS-Denise Hogue
denise.hogue@gov.bc.ca
250-614-7458

Canfor Mackenzie-Andy Preston
andrew.preston@canfor.com
250-997-2641



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

Mackenzie SFMP Public Advisory Group

(as of March 31, 2013)

| Sector: | Representative | Alternate |
|--|-----------------------|------------------|
| Academia | | |
| Agriculture/Ranching | | |
| Contractors – Forestry | | |
| Environment/ Conservation | Vi Lambie | Ryan Bichon |
| First Nations | | |
| General Public | Tom Briggs | |
| Germansen Landing | | |
| Labour – CEP | | |
| Labour – PPWC | | |
| Local Government | Stephanie Killam | Mark Fercho |
| McLeod Lake Indian Band | Alec Chingee | |
| Mining/Oil & Gas | Dave Forshaw | |
| Noostel Keyoh | Jim Besherse | Sadie Jarvis |
| Public Health & Safety | | |
| Recreation – Commercial | | |
| Recreation – Non-commercial | | |
| Recreation – Non-commercial (motorized) | | |
| Saulteau First Nations | Chief Harley Davis | Rick Publicover |
| Small Business – Germansen Landing | Janet Besherse | Don Jarvis |
| Small Business – Mackenzie | Bruce Bennett | |
| Small Community | | |
| Trapping | Lawrence Napier | |
| West Moberly First Nations | George Desjarlais | |
| Woodlot | Ron Crosby | |

Mac PAG ongoing mailing list

23/04/2013

| Last Name | First Name | Community | Mailing Address | Postal Code |
|-----------------|--------------|-----------------------|---------------------------------------|-------------|
| Abraham | Chief Dolly | Takla Landing, BC | General Delivery | V0J 1T0 |
| 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 |
| Briggs | Tom | Mackenzie, BC | Box 966 | V0J 2C0 |
| Brookfield | Edward | Prince George, BC | Tsay Keh Dene Band 1877 Queensway St. | V2L 1L9 |
| Chingee | Alec | McLeod Lake, BC | General Delivery | V0J 2G0 |
| Chingee | Lionel | McLeod Lake, BC | General Delivery | V0J 2G0 |
| Crosby | Ron | Mackenzie, BC | Box 454 | V0J 2C0 |
| Davis | Chief Harley | Chetwynd, BC | PO Box 1020 | V0C 1J0 |
| Desjarlais | George | Moberly Lake, BC | PO Box 90 | V0C 1X0 |
| Fercho | Mark | Mackenzie, BC | Bag 340, 1 Mackenzie Blvd | V0J 2C0 |
| Forshaw | Dave | Mackenzie, BC | Box 419 | V0J 2C0 |
| Hogue | Denise | Prince George, BC | 2000 South Ospika Boulevard | V2N 4W5 |
| Izony | Chief Dennis | Prince George, BC | Tsay Keh Dene Band 1877 Queensway St. | V2L 1L9 |
| Jarvis | Don | Prince George, BC | 5570 Reed Lake Road | V2K 5N8 |
| Jarvis | Sadie | Prince George, BC | 5570 Reed Lake Road | V2K 5N8 |
| Killam | Stephanie | Mackenzie, BC | Box 762, 7 Rainbow Place | V0J 2C0 |
| Kuzio, R.P.F. | Shaun | Mackenzie, BC | Box 250, FFI Road | V0J 2C0 |
| Lambie | Vi | Mackenzie, BC | PO Box 1598 | V0J 2C0 |
| Mclean | Chief Rick | Telegraph Creek, BC | Box 46 | V0J 2W0 |
| Napier | Lawrence | Mackenzie, BC | PO Box 51 | V0J 2C0 |
| Orr | Chief Derek | McLeod Lake, BC | General Delivery | V0J 2G0 |
| Perreault | Nancy | Germansen Landing, BC | Bag 24 | V0J 1T0 |
| PPWC (Local 18) | | Mackenzie, BC | PO Box 398 Osilinka St. | V0J 2C0 |
| Preston | Andrew | Mackenzie, BC | PO Box 310 | V0J 2C0 |

| Last Name | First Name | Community | Mailing Address | Postal Code |
|---------------|--------------|-------------------|--|-------------|
| Publicover | Rick | Chetwynd, BC | Box 1020 | V0C 1J0 |
| Sam | Chief Fred | Fort St James, BC | P.O. Box 1329 | V0J 1P0 |
| Vander Maaten | Judi | Mackenzie, BC | Bag 340, 60 Centennial Dr. | V0J 2C0 |
| VanSomer | Chief Donny | Prince George, BC | Kwadacha Band Office, #207 513 Abou Street | V2M 3R8 |
| Whitford | Chief Ed | Wonowon, BC | PO Box 59 | V0C 2N0 |
| Willson | Chief Roland | Moberly Lake, BC | PO Box 90 | V0C 1X0 |



Mackenzie SFMP



June 14, 2012

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, June 19, 2012.

This meeting will be combined with a Field Trip on the Mackenzie DFA.

Departure Time: 9:00 AM

Return Time: 4:30 PM

Location: Meet at the Recreation Centre, Mackenzie.

Action Requested: If you haven't done so already, please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) as soon as possible, if you plan on attending this Field Trip.

Wear suitable clothing and boots.

Lunch and transportation will be provided.

The Licensee Steering Committee is still working on the Itinerary for the Field Trip. I have attached the draft summary of the March 7th 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 14, 2012

Chief Dennis Izony
Tsay Keh Dene Band
1877 Queensway St.
Prince George BC V2L 1L9

Dear Chief Izony;

The next meeting of the Mackenzie PAG is Tuesday, June 19, 2012.

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Mackenzie SFMP



June 14, 2012

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

Dear Chief Orr;

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Mackenzie SFMP



June 14, 2012

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, June 19, 2012.

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Mackenzie SFMP



June 14, 2012

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

Dear Chief Whitford;

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250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



June 14, 2012

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, June 19, 2012.

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Departure Time: 9:00 AM

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Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

February 29, 2012

Chief Harley Davis
Saulteau First Nations
PO Box 1020
Chetwynd, BC V0C 1J0

Dear Chief Davis;

The next meeting of the Mackenzie PAG is Tuesday, June 19, 2012.

This meeting will be combined with a Field Trip on the Mackenzie DFA.

Departure Time: 9:00 AM

Return Time: 4:30 PM

Location: Meet at the Recreation Centre, Mackenzie.

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Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



June 14, 2012

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, June 19, 2012.

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Departure Time: 9:00 AM

Return Time: 4:30 PM

Location: Meet at the Recreation Centre, Mackenzie.

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250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



June 14, 2012

Chief Richard Mclean
Tahltan First Nation
Box 46
Telegraph Creek, BC V0J 2W0

Dear Chief Mclean;

The next meeting of the Mackenzie PAG is Tuesday, June 19, 2012.

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Departure Time: 9:00 AM

Return Time: 4:30 PM

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Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



June 14, 2012

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, June 19, 2012.

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Departure Time: 9:00 AM

Return Time: 4:30 PM

Location: Meet at the Recreation Centre, Mackenzie.

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Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



October 15, 2012

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 scheduled for Wednesday, October 24, 2012.

Time: 10:00 AM - 2:00 PM

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

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) as soon as possible, if you plan on attending this meeting.

At this meeting we will review the draft 2011-12 Mackenzie SFMP Annual Report. A draft agenda, and the draft summary of the June 19th Field Trip are attached.

Sincerely,

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Operations Manager, Tesera Systems Inc.
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Mackenzie SFMP



October 15, 2012

Chief Dennis Izony
Tsay Keh Dene Band
1877 Queensway St.
Prince George BC V2L 1L9

Dear Chief Izony;

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Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

October 15, 2012

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

Dear Chief Orr;

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Mackenzie SFMP



October 15, 2012

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

Dear Chief VanSomer;

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Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



October 15, 2012

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

Dear Chief Whitford;

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Mackenzie SFMP



October 15, 2012

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 scheduled for Wednesday, October 24, 2012.

Time: 10:00 AM - 2:00 PM

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

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) as soon as possible, if you plan on attending this meeting.

At this meeting we will review the draft 2011-12 Mackenzie SFMP Annual Report. A draft agenda, and the draft summary of the June 19th Field Trip are attached.

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



BCTS
BC Timber Sales
Prince George Business Area

October 15, 2012

Chief Harley Davis
Saulteau First Nations
PO Box 1020
Chetwynd, BC V0C 1J0

Dear Chief Davis;

The next meeting of the Mackenzie PAG is scheduled for Wednesday, October 24, 2012.

Time: 10:00 AM - 2:00 PM

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

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) as soon as possible, if you plan on attending this meeting.

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Operations Manager, Tesera Systems Inc.
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Mackenzie SFMP



October 15, 2012

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 scheduled for Wednesday, October 24, 2012.

Time: 10:00 AM - 2:00 PM

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Mackenzie SFMP



October 15, 2012

Chief Richard Mclean
Tahltan First Nation
Box 46
Telegraph Creek, BC V0J 2W0

Dear Chief Mclean;

The next meeting of the Mackenzie PAG is scheduled for Wednesday, October 24, 2012.

Time: 10:00 AM - 2:00 PM

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Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



October 15, 2012

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 scheduled for Wednesday, October 24, 2012.

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

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Operations Manager, Tesera Systems Inc.
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Mackenzie SFMP



March 7, 2013

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 scheduled for Wednesday, March 27, 2013.

Time: 10:00 AM - 4:00 PM

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

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) as soon as possible, if you plan on attending this meeting.

At this meeting we will complete the annual review of the Terms of Reference and deal with follow-up on Action Items and some minor revisions to the SFM Plan. Attached, please find the following:

- Draft Agenda
- Draft Summary of the PAG meeting held on October 24, 2012.
- Terms of Reference for the Mackenzie PAG

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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 7, 2013

Chief Dennis Izony
Tsay Keh Dene Band
1877 Queensway St.
Prince George BC V2L 1L9

Dear Chief Izony;

The next meeting of the Mackenzie PAG is scheduled for Wednesday, March 27, 2013.

Time: 10:00 AM - 4:00 PM

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

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) as soon as possible, if you plan on attending this meeting.

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Operations Manager, Tesera Systems Inc.
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Mackenzie SFMP



March 7, 2013

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 scheduled for Wednesday, March 27, 2013.

Time: 10:00 AM - 4:00 PM

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

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: 250-614-3122 or MacPAG@tesera.com) as soon as possible, if you plan on attending this meeting.

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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 7, 2013

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 scheduled for Wednesday, March 27, 2013.

Time: 10:00 AM - 4:00 PM

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

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Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 7, 2013

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 scheduled for Wednesday, March 27, 2013.

Time: 10:00 AM - 4:00 PM

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

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Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Mackenzie SFMP



March 7, 2013

Chief Harley Davis
Saulteau First Nations
PO Box 1020
Chetwynd, BC V0C 1J0

Dear Chief Davis;

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Mackenzie SFMP



March 7, 2013

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

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Operations Manager, Tesera Systems Inc.
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Mackenzie SFMP



March 7, 2013

Chief Russell Lilly
Halfway River First Nation
PO Box 59
Wonowon, BC V0C 2N0

Dear Chief Whitford;

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Mackenzie SFMP



March 7, 2013

Chief Richard Mclean
Tahltan First Nation
Box 46
Telegraph Creek, BC V0J 2W0

Dear Chief Mclean;

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Operations Manager, Tesera Systems Inc.
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Mackenzie SFMP



March 7, 2013

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

Dear Chief Willson;

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Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Dwight Scott Wolfe <dwight.wolfe@tesera.com>

MacPAG: Mackenzie PAG Meeting and Field Trip Scheduled for Tuesday, June 19

Dwight Scott Wolfe <dwight.wolfe@tesera.com>

Tue, Jun 5, 2012 at 11:48 AM

Cc: Denise Hogue <Denise.Hogue@gov.bc.ca>, Andrew Preston <andrew.preston@canfor.com>, "McCormack, Jim" <Jim.McCormack@canfor.com>

Bcc: Alec Chingee <alchingee@mli.ca>, Bruce Bennet <b-bvent@telus.net>, Chief Richard Mclean <chief.mclean@tahltan.ca>, Chief Fred Sam <chief@nakazdli.ca>, Chief Harley Davis <hdavis@saulteau.com>, Chief Roland Willson <rwillson@westmo.org>, Daniel Pierre <dpierre@tkdb.ca>, Dave Forshaw <dave@district.mackenzie.bc.ca>, Dave Jeans <r19ddt@telus.net>, Edward Brookfield <edwardbrookfield304@gmail.com>, Elke Lepka <forestry.takla@gmail.com>, George Desjarlais <oilandgas@westmo.org>, 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>, Kelsey McLeod <kelsey_mcleod@yahoo.ca>, Lawrence Napier <napierlr@hotmail.com>, Mark Fercho <mark@district.mackenzie.bc.ca>, "McCormack, Jim" <Jim.McCormack@canfor.com>, 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>, Rick Publicover <rpublicover@saulteau.com>, Rob Weaver <weaver00@telus.net>, Ron Crosby <crosbyr@cnc.bc.ca>, Ron Steffey <moosevalley@xplornet.com>, Ryan Bichon <rbichon@mli.ca>, Stephanie Killam <stephanie@district.mackenzie.bc.ca>, Todd Walter <twalter@bpei.ca>, Tom and Karen Briggs <teekay74@telus.net>, Tyson von den Steinen <Tyson.VondenSteinen@canfor.com>, Vi Lambie <jlambie@telus.net>

Hi Folks,

The next meeting of the Mackenzie PAG is Tuesday, June 19, 2012.

This meeting will be combined with a Field Trip on the Mackenzie DFA.

Departure Time: 9:00 AM

Return Time: 4:30 PM

Location: Meet at the Recreation Centre, Mackenzie.

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: [250-614-3122](tel:250-614-3122) or MacPAG@tesera.com) as soon as possible, if you plan on attending this Field Trip.

Wear suitable clothing and boots.

Lunch and transportation will be provided.

A draft agenda and the draft summary of the March 7th meeting will be distributed shortly.

Sincerely,

DSW

--

Dwight Scott Wolfe, RPF, Cert. ConRes.

Operations Manager

Tesera Systems Inc.

[250.614.3122](tel:250.614.3122) tel

[866.698.8789](tel:866.698.8789) toll free

www.tesera.com



Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

June 14, 2012

Bruce Bennett
Box 955
Mackenzie, BC V0J 2C0

Dear Bruce;

The next meeting of the Mackenzie PAG is Tuesday, June 19, 2012.

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Departure Time: 9:00 AM

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Location: Meet at the Recreation Centre, Mackenzie.

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Wear suitable clothing and boots.

Lunch and transportation will be provided.

The Licensee Steering Committee is still working on the Itinerary for the Field Trip. I have attached the draft summary of the March 7th 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



BCTS
BC Timber Sales
Prince George Business Area

June 14, 2012

Nancy Perreault
Bag 24
Germansen Landing, BC V0J 1T0

Dear Nancy;

The next meeting of the Mackenzie PAG is Tuesday, June 19, 2012.

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Operations Manager, Tesera Systems Inc.
250.614.3122 tel, 866-698-8789 toll free, 250. 564.0393 fax, macpag@tesera.com



Dwight Scott Wolfe <dwight.wolfe@tesera.com>

MacPAG: Reminder - Mackenzie PAG Meeting and Field Trip Scheduled for Tuesday, June 19

Dwight Scott Wolfe <dwight.wolfe@tesera.com>

Thu, Jun 14, 2012 at 1:10 PM

Cc: Andrew Preston <andrew.preston@canfor.com>, Denise Hogue <Denise.Hogue@gov.bc.ca>, "McCormack, Jim" <Jim.McCormack@canfor.com>

Bcc: Alec Chingee <alchingee@mli.ca>, Bruce Bennet <b-bvent@telus.net>, Chief Richard Mclean <chief.mclean@tahltan.ca>, Chief Fred Sam <chief@nakazdli.ca>, Chief Harley Davis <hdavis@saulteau.com>, Chief Roland Willson <rwillson@westmo.org>, Daniel Pierre <dpierre@tkdb.ca>, Dave Forshaw <dave@district.mackenzie.bc.ca>, Dave Jeans <r19ddt@telus.net>, Edward Brookfield <edwardbrookfield304@gmail.com>, Elke Lepka <forestry.takla@gmail.com>, George Desjarlais <oilandgas@westmo.org>, 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>, Kelsey McLeod <kelsey_mcleod@yahoo.ca>, Lawrence Napier <napierlr@hotmail.com>, Mark Fercho <mark@district.mackenzie.bc.ca>, "McCormack, Jim" <Jim.McCormack@canfor.com>, 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>, Rick Publicover <rpublicover@saulteau.com>, Rob Weaver <weaver00@telus.net>, Ron Crosby <crosbyr@cnc.bc.ca>, Ron Steffey <moosevalley@xplornet.com>, Ryan Bichon <rbichon@mli.ca>, Stephanie Killam <stephanie@district.mackenzie.bc.ca>, Todd Walter <twalter@bpei.ca>, Tom and Karen Briggs <teekay74@telus.net>, Tyson von den Steinen <Tyson.VondenSteinen@canfor.com>, Vi Lambie <jlambie@telus.net>, danshellade@hotmail.com

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Wear suitable clothing and boots.

Lunch and transportation will be provided.

The Licensee Steering Committee is still working on the Itinerary for the Field Trip. I have attached the draft summary of the March 7th meeting.

Sincerely,

DSW

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Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager
Tesera Systems Inc.
[250.614.3122](tel:250.614.3122) tel



2012-06-22

Bruce Bennett
Box 955
Mackenzie, BC. V0J 2C0

Dear Bruce,

This letter is sent to you as an update on BC Timber Sales Sustainable Forest Management (SFM) certification. I wanted to personally communicate this to you before you heard about it third hand.

After careful consideration, BC Timber Sales Prince George Business Area (TPG) is switching from the Canadian Standards Association SFM standard (CSA) to the Sustainable Forestry Initiative SFM standard (SFI). We intend to certify all of our forest operations in Prince George, TFL 30, TFL 53, Mackenzie, and the Robson Valley under one SFI certificate.

This decision did not come easy and it took several months of internal deliberation. The primary reason for switching to SFI is based largely on increased efficiencies in the allocation of staff time and resources. Furthermore, this change in certification standard will help increase the amount of planning resources allocated to our core business of operational planning – blocks and roads.

We genuinely appreciate your time and effort put into the PAG process. Without the involvement of PAG members like you, BCTS wouldn't have been able to attain certification to the CSA standard. Thank you for your hard work and dedication.

Through this transition we are committed to maintaining the same high level of SFM certification that the public and our customers expect. We will maintain CSA certification until such time that we are fully certified under SFI – planned for December 2012. If you have any questions please contact me directly at 1-250-614-7400 or email me at darwyn.koch@gov.bc.ca

Sincerely,

Darwyn Koch, RPF
Planning Forester
BC Timber Sales Prince George Business Area

**Ministry of Forests,
Lands and Natural
Resource Operations**

BC Timber Sales
Prince George Business Area

Location:
2000 South Ospika Boulevard
Prince George BC

Mailing Address:
2000 South Ospika Boulevard
Prince George BC V2N4W5
Tel: (250) 614-7400
Fax: (250) 614-7435



2012-06-22

Dave Forshaw
Box 419
Mackenzie, BC. V0J 2C1

Dear Dave,

This letter is sent to you as an update on BC Timber Sales Sustainable Forest Management (SFM) certification. I wanted to personally communicate this to you before you heard about it third hand.

After careful consideration, BC Timber Sales Prince George Business Area (TPG) is switching from the Canadian Standards Association SFM standard (CSA) to the Sustainable Forestry Initiative SFM standard (SFI). We intend to certify all of our forest operations in Prince George, TFL 30, TFL 53, Mackenzie, and the Robson Valley under one SFI certificate.

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Sincerely,

Darwyn Koch, RPF
Planning Forester
BC Timber Sales Prince George Business Area

| | | | |
|---|--|--|--|
| Ministry of Forests, Lands and Natural Resource Operations | BC Timber Sales Prince George Business Area | Location: 2000 South Ospika Boulevard Prince George BC | Mailing Address: 2000 South Ospika Boulevard Prince George BC V2N4W5 Tel: (250) 614-7400 Fax: (250) 614-7435 |
|---|--|--|--|



2012-06-22

Don and Sadie Jarvis
5570 Reed Lake Road
Prince George, BC. V2K 5N8

Dear Don and Sadie,

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Sincerely,

Darwyn Koch, RPF
Planning Forester
BC Timber Sales Prince George Business Area

| | | | |
|---|--|--|--|
| Ministry of Forests, Lands and Natural Resource Operations | BC Timber Sales Prince George Business Area | Location: 2000 South Ospika Boulevard Prince George BC | Mailing Address: 2000 South Ospika Boulevard Prince George BC V2N4W5 Tel: (250) 614-7400 Fax: (250) 614-7435 |
|---|--|--|--|



2012-06-22

George Desjarlais
West Moberly First Nation
Box 90
West Moberly, BC. V0C 1X0

Dear George,

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|---|--|--|--|



2012-06-22

Jim and Janet Besherse
General Delivery
Germansen Landing, BC. V0J 1T0

Dear Jim and Janet,

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BC Timber Sales Prince George Business Area

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2012-06-22

Josef Kollbrand
Box 1679
Mackenzie, BC. V0J 2C0

Dear Josef,

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Planning Forester
BC Timber Sales Prince George Business Area

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|---|--|--|--|



2012-06-22

Lawrence Napier
Box 51
Mackenzie, BC. V0J 2C0

Dear Lawrence,

This letter is sent to you as an update on BC Timber Sales Sustainable Forest Management (SFM) certification. I wanted to personally communicate this to you before you heard about it third hand.

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Sincerely,

Darwyn Koch, RPF
Planning Forester
BC Timber Sales Prince George Business Area

Ministry of Forests,
Lands and Natural
Resource Operations

BC Timber Sales
Prince George Business Area

Location:
2000 South Ospika Boulevard
Prince George BC

Mailing Address:
2000 South Ospika Boulevard
Prince George BC V2N4W5
Tel: (250) 614-7400
Fax: (250) 614-7435



2012-06-22

Lionel Chingee
McLeod Lake Indian Band
General Delivery
McLeod Lake, BC. V0J 2G0

Dear Lionel,

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Sincerely,

Darwyn Koch, RPF
Planning Forester
BC Timber Sales Prince George Business Area

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|---|--|--|--|



2012-06-22

Mark Fercho
Bag 340, 60 Centennial Drive
Mackenzie, BC. V0J 2C1

Dear Mark,

This letter is sent to you as an update on BC Timber Sales Sustainable Forest Management (SFM) certification. I wanted to personally communicate this to you before you heard about it third hand.

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Planning Forester
BC Timber Sales Prince George Business Area

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2012-06-22

Rick Publicover
Saulteau First Nations
Box 1020
Chetwynd, BC. V0C 1J0

Dear Rick,

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Sincerely,

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BC Timber Sales Prince George Business Area

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Tel: (250) 614-7400
Fax: (250) 614-7435



2012-06-22

Ron Crosby
Box 454
Mackenzie, BC. V0J 2C0

Dear Ron,

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2012-06-22

Ryan Bichon
McLeod Lake Indian Band
General Delivery
McLeod Lake, BC. V0J 2G0

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Darwyn Koch, RPF
Planning Forester
BC Timber Sales Prince George Business Area

**Ministry of Forests,
Lands and Natural
Resource Operations**

BC Timber Sales
Prince George Business Area

Location:
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Prince George BC

Mailing Address:
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Tel: (250) 614-7400
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2012-06-22

Stephanie Killam
Box 762
Mackenzie, BC. V0J 2C0

Dear Stephanie,

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2012-06-22

Tom Briggs
Box 966
Mackenzie, BC. V0J 2C0

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2012-06-22

Vi Lambie
Box 1598
Mackenzie, BC. V0J 2C0

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BC Timber Sales Prince George Business Area

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2012-06-22

Nancy Perreault
Bag 24
Germansen Landing, BC. V0J 1T0

Dear Nancy,

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Planning Forester
BC Timber Sales Prince George Business Area

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|---|--|--|--|



Dwight Scott Wolfe <dwight.wolfe@tesera.com>

MacPAG: Draft 2011-12 Annual Report and Fall Meeting Date (October 24)

Dwight Scott Wolfe <dwight.wolfe@tesera.com>

Thu, Sep 6, 2012 at 6:49 AM

Cc: Andrew Preston <andrew.preston@canfor.com>, Denise Hogue <Denise.Hogue@gov.bc.ca>, "McCormack, Jim" <Jim.McCormack@canfor.com>

Bcc: Alec Chingee <alchingee@milib.ca>, Bruce Bennet <b-bvent@telus.net>, Chief Richard Mclean <chief.mclean@tahltan.ca>, Chief Fred Sam <chief@nakazdli.ca>, Chief Harley Davis <hdavis@saulteau.com>, Chief Roland Willson <rwillson@westmo.org>, Daniel Pierre <dpierre@tkdb.ca>, Dave Forshaw <dave@district.mackenzie.bc.ca>, Dave Jeans <r19ddt@telus.net>, Edward Brookfield <edwardbrookfield304@gmail.com>, Elke Lepka <forestry.takla@gmail.com>, George Desjarlais <oilandgas@westmo.org>, Ingo Hinz <Ingo.Hinz@canfor.com>, Jim & Janet Besherse <jbesherse@xplomet.com>, Josef Kollbrand <joskoll@telus.net>, Judi Vander Maaten <Judi@district.mackenzie.bc.ca>, Kelsey McLeod <kelsey_mcleod@yahoo.ca>, Lawrence Napier <napierlr@hotmail.com>, Mark Fercho <mark@district.mackenzie.bc.ca>, Mel Botrakoff <mel@district.mackenzie.bc.ca>, Michael Schneider <michael@going-fishing.com>, Micheline Snively <msnive@hotmail.com>, Michelle Gunter <danshellade@hotmail.com>, Mike Broadbent <mrstar58@telus.net>, "PPWC (Local 18)" <ppwc18@persona.ca>, Rick Publicover <rpublicover@saulteau.com>, Rob Weaver <weaver00@telus.net>, Ron Crosby <crosby@cnc.bc.ca>, Ron Steffey <moosevalley@xplomet.com>, Ryan Bichon <rbichon@milib.ca>, Stephanie Killam <stephanie@district.mackenzie.bc.ca>, Todd Walter <twalter@bpei.ca>, Tom and Karen Briggs <teekay74@telus.net>, Tyson von den Steinen <Tyson.VondenSteinen@canfor.com>, Vi Lambie <jlambie@telus.net>

Hi Folks,

The next meeting of the Mackenzie PAG is scheduled for Wednesday, October 24, 2012.

Time: 10:00 AM - 4:00 PM

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

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: [250-614-3122](tel:250-614-3122) or MacPAG@tesera.com) as soon as possible, if you plan on attending this meeting.

A draft agenda will be distributed shortly.

At this meeting we will review the draft 2011-12 Mackenzie SFMP Annual Report.

Attached, please find the draft 2011-12 Mackenzie SFMP Annual Report, and the draft summary of the June 19th Field Trip.

Sincerely,

DSW

—
Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager
Tesera Systems Inc.
[250.614.3122](tel:250.614.3122) tel
[866.698.8789](tel:866.698.8789) toll free
www.tesera.com



MacPAG: The next meeting of the Mackenzie PAG is scheduled for Wednesday, March 27, 2013.

Dwight Scott Wolfe <dwight.wolfe@tesera.com>

Thu, Mar 7, 2013 at 1:44 PM

Cc: Andrew Preston <andrew.preston@canfor.com>, Denise Hogue <Denise.Hogue@gov.bc.ca>
Bcc: Alec Chingee <alchingee@milib.ca>, Bruce Bennet <b-bvent@telus.net>, Chief Richard Mclean <chief.mclean@tahtlan.ca>, Chief Fred Sam <chief@nakazdli.ca>, Chief Harley Davis <hdavis@saulteau.com>, Chief Roland Willson <rwillson@westmo.org>, Chief Russell Lilly <russell_lilly@hrfn.ca>, Daniel Pierre <dpierre@tkdb.ca>, Dave Forshaw <dave@district.mackenzie.bc.ca>, Dave Jeans <r19ddt@telus.net>, Elke Lepka <forestry.takla@gmail.com>, George Desjarlais <forestry@westmo.org>, Ingo Hinz <Ingo.Hinz@canfor.com>, Jim & Janet Besherse <jbesherse@xplornet.com>, Judi Vander Maaten <Judi@district.mackenzie.bc.ca>, Kelsey McLeod <kelsey_mcleod@yahoo.ca>, Lawrence Napier <napierlr@hotmail.com>, Mark Fercho <mark@district.mackenzie.bc.ca>, Mel Botrakoff <mel@district.mackenzie.bc.ca>, Michael Schneider <michael@going-fishing.com>, Micheline Snively <msnive@hotmail.com>, Michelle Gunter <danshellade@hotmail.com>, Mike Broadbent <mrstar58@telus.net>, Pat Crook <pat@district.mackenzie.bc.ca>, "PPWC (Local 18)" <ppwc18@persona.ca>, Rick Publicover <rpublicover@saulteau.com>, Rob Weaver <weaver00@telus.net>, Ron Crosby <crosbyr@cnc.bc.ca>, Ron Steffey <moosevalley@xplornet.com>, Ryan Bichon <rbichon@milib.ca>, Stephanie Killam <stephanie@district.mackenzie.bc.ca>, Todd Walter <twalter@bpei.ca>, Tom and Karen Briggs <teekay74@telus.net>, Vi Lambie <jlambie@telus.net>

Hi Folks,

The next meeting of the Mackenzie PAG is scheduled for Wednesday, March 27, 2013.

Time: 10:00 AM - 4:00 PM

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

Action Requested: Please contact the facilitator, Dwight Scott Wolfe, (phone: [250-614-3122](tel:250-614-3122) or MacPAG@tesera.com) as soon as possible, if you plan on attending this meeting.

At this meeting we will complete the annual review of the Terms of Reference and deal with follow-up on Action Items and some minor revisions to the SFM Plan.

Attached, please find the following:

- Draft Agenda
- Draft summary of the PAG meeting held on October 24, 2012.
- Terms of Reference for the Mackenzie PAG

Sincerely,

DSW

—
Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager
Tesera Systems Inc.
[250.614.3122](tel:250.614.3122) tel
[866.698.8789](tel:866.698.8789) toll free



Mackenzie SFMP



March 7, 2013

Bruce Bennett
Box 955
Mackenzie, BC V0J 2C0

Dear Bruce;

The next meeting of the Mackenzie PAG is scheduled for Wednesday, March 27, 2013.

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- Terms of Reference for the Mackenzie PAG

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 7, 2013

Jim & Janet Besherse
General Delivery
Germansen Landing, BC V0J 1T0

Dear Jim and Janet;

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Also, if you have a new email address, please provide me with this information as your email address on file (jbesherse@xplornet.com) is no longer valid.

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 7, 2013

Nancy Perreault
Bag 24
Germansen Landing, BC V0J 1T0

Dear Nancy;

The next meeting of the Mackenzie PAG is scheduled for Wednesday, March 27, 2013.

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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



MacPAG: Reminder - The next meeting of the Mackenzie PAG is scheduled for Wednesday, October 24, 2012.

1 message

Dwight Scott Wolfe <dwight.wolfe@tesera.com>

Mon, Oct 15, 2012 at 2:05 PM

Cc: Andrew Preston <andrew.preston@canfor.com>, Denise Hogue <Denise.Hogue@gov.bc.ca>
Bcc: Alec Chingee <alchingee@milib.ca>, Bruce Bennet <b-bvent@telus.net>, Chief Richard Mclean <chief.mclean@tahtlan.ca>, Chief Fred Sam <chief@nakazdli.ca>, Chief Harley Davis <hdavis@saulteau.com>, Chief Roland Willson <rwillson@westmo.org>, Daniel Pierre <dpierre@tkdb.ca>, Dave Forshaw <dave@district.mackenzie.bc.ca>, Dave Jeans <r19ddt@telus.net>, Elke Lepka <forestry.takla@gmail.com>, George Desjarlais <oilandgas@westmo.org>, 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>, Kelsey McLeod <kelsey_mcleod@yahoo.ca>, Lawrence Napier <napierlr@hotmail.com>, Mark Fercho <mark@district.mackenzie.bc.ca>, Mel Botrakoff <mel@district.mackenzie.bc.ca>, Michael Schneider <michael@going-fishing.com>, Micheline Snively <msnive@hotmail.com>, Michelle Gunter <danshellade@hotmail.com>, Mike Broadbent <mrstar58@telus.net>, "PPWC (Local 18)" <ppwc18@persona.ca>, Rick Publicover <rpublicover@saulteau.com>, Rob Weaver <weaver00@telus.net>, Ron Crosby <crosbyr@cnc.bc.ca>, Ron Steffey <moosevalley@xplornet.com>, Ryan Bichon <rbichon@milib.ca>, Stephanie Killam <stephanie@district.mackenzie.bc.ca>, Todd Walter <twalter@bpei.ca>, Tom and Karen Briggs <teekay74@telus.net>, Tyson von den Steinen <Tyson.VondenSteinen@canfor.com>, Vi Lambie <jlambie@telus.net>

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A draft agenda is attached

At this meeting we will review the draft 2011-12 Mackenzie SFMP Annual Report.

Attached, please find the draft 2011-12 Mackenzie SFMP Annual Report, and the draft summary of the June 19th Field Trip.

Sincerely,

DSW

—
Dwight Scott Wolfe, RPF, Cert. ConRes.
Operations Manager
Tesera Systems Inc.
250.614.3122 tel
866.698.8789 toll free
www.tesera.com



Mackenzie SFMP



October 15, 2012

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Box 955
Mackenzie, BC V0J 2C0

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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



October 15, 2012

Jim & Janet Besherse
General Delivery
Germansen Landing, BC V0J 1T0

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Mackenzie SFMP



BCTS
BC Timber Sales
Prince George Business Area

October 15, 2012

Nancy Perreault
Bag 24
Germansen Landing, BC V0J 1T0

Dear Nancy;

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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



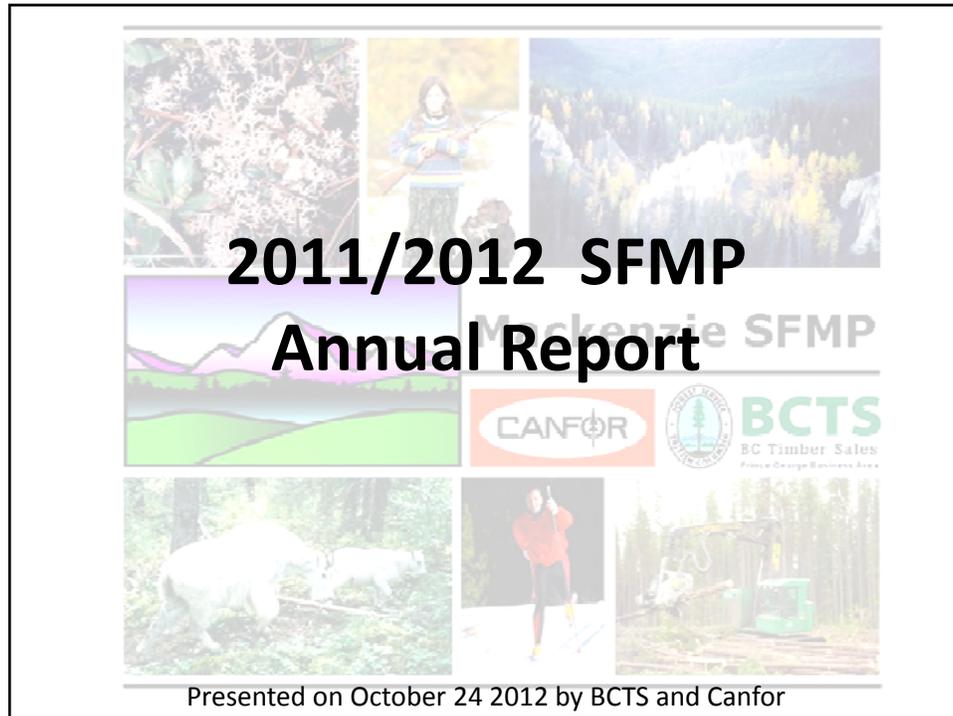
Continuous Improvement Matrix

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> |



Overview

- First year reporting on the new indicators and to the z809-08 standard
- 41 of 48 Indicators were met
- Reporting for activities from April 1, 2011 to March 31, 2012

Notable Achievements

- Indicator 18 – Reportable Spills
 - 0 were reported
- Indicator 23 – Free Growing
 - 198 Sus met, 100%
- Indicator 28 – Contract Opportunities to First Nations
 - Target of 5, achieved 30 across the DFA

Indicators 1&2-Old and Interior Old

- New Landscape Level Objectives Working Group (LOWG) spearheaded by Denise provides a complete data set from all licensees that participate, currently all active and some inactive licensees are participating
- BCTS didn't meet these indicators with 2 of 36 blocks and 2 of 17 roads
- Canfor met with all 40 blocks and 100 roads
- 95.7% on target of 100% with 0 variance allowed
- Should meet target for this year (12/13)

Indicator 8 – Riparian Management Effectiveness

- BCTS had one potential non-compliance
- A Machine Free Zone was infringed upon by equipment during site prep
- Visited site during June PAG Field Tour
- Very minor in nature, no environmental damage arose from this incident
- This is a “one-off” situation, should be able to meet this for the 12/13 reporting year

Indicator 25- Harvest Volumes

| Signatory | Volume Harvested (CFP) or Sold (BCTS) | | | | | | 5 year Apportionment | Percent of 5 year cut in DFA |
|--------------|---------------------------------------|---------|---------|---------|---------|-----------|----------------------|------------------------------|
| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Total | | |
| | 07-08 | 08-09 | 09-10 | 10-11 | 11-12 | | | |
| Canfor | 491,314 | 105,011 | 127,478 | 526,900 | 725,114 | 1,975,817 | 5,414,520 | 36.5% |
| BCTS | 787,404 | 377,673 | 170,630 | 346,512 | 270,961 | 1,953,180 | 3,594,430 | 54.3% |
| Total | 1,278,718 | 482,684 | 298,108 | 873,412 | 996,075 | 3,928,997 | 9,008,950 | 43.6% |

- As expected by the LSC this indicator was not met this year.
- Trend is looking good though, Canfor plans to harvest about 1,000,000 m3 this year, and potentially more in 2013.
- Harvesting more combined with losing some of lower volume years will help us meet this target in the future.

Indicator 43- Dispersed Retention Levels

- This is limited to 1 occurrence on TSL A88227, SU2
- The prescription was for a certain amount of deciduous to be left standing
- More deciduous trees were cut than was considered reasonably needed
- Preventative actions were initiated

Indicator 45- Employment

- If calculated as a whole we would have met this indicator, Canfor over achieved by 46 jobs, and BCTS was only shy by 18.5
- Indirect jobs are considered to be met when your direct jobs are met, as a result they were also not met.
- Canfor anticipates meeting this next year as well

Indicator 48-Understanding of the nature of Aboriginal Rights and Title

- Neither BCTS or Canfor met this new indicator for the reporting period, which was anticipated
- Both licensees were in transition to new training mechanisms.
- New training is now in place and on target to meet this for next reporting period.

Questions?

The Reports will soon be posted on the WWW:

- <http://www.canfor.com/responsibility/environmental/plans>
- https://www.for.gov.bc.ca/bcts/areas/TPG/TPG_SFM.htm



KPMG Performance Registrar Inc.

Box 10426, 777 Dunsmuir Street
Vancouver BC V7Y 1K3
Canada

Telephone (604) 691-3000
(604) 691-3401
Telefax (604) 691-3031
www.kpmg.ca

Gord Robertson, RFT
Field Operations Supervisor/Acting Certification Standards Officer
Prince George Timber Sales Office
BC Timber Sales
2000 Ospika Boulevard
Prince George, BC V2N 4W5

June 15, 2012

Dear Gord:

Re: Spring 2012 ISO 14001/CSA Z809 Audit Report for BCTS Prince George Operations

Our spring 2012 ISO 14001/CSA Z809 (Mackenzie and Prince George/TFL 30 DFAs) audit report for BCTS Prince George Operations is attached. The report documents the results of the audit that took place during the period June 11-15, 2012.

As communicated to you previously, you are required to submit corrective action plans to address all identified non-conformities within 30 days of the date of the closing meeting. Upon receipt by KPMG PRI, these will be reviewed to verify that they adequately address the root cause(s) of the non-conformities identified during the audit, and either approved or returned to you for revision.

We value the ongoing working relationship that we have with BCTS Prince George Operations, and appreciate the assistance provided to the audit team by Company staff and contractors during the audit process.

If you have any questions regarding the results of the audit or what is required in the way of corrective actions, please call me at the phone number listed below.

Yours truly,

Dave Bebb, RPF, EP(EMSLA)
Vice President, Registration Operations
(604) 691-3451

Enc: Spring 2012 ISO 14001/CSA Z809 Audit Report for BCTS Prince George Operations



Spring 2012 ISO 14001/CSA Z809 Audit Report for BCTS Prince George Operations

June 15, 2012

This audit report is the property of KPMG PRI. The information in this audit report is confidential and may be legally privileged. It is intended solely for the use of the intended recipient, BCTS Prince George Operations. Access to this audit report by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution or any action taken or omitted to be taken in reliance on it, is prohibited and may be unlawful. Any opinions contained in this audit report are subject to the terms and conditions expressed in the governing KPMG PRI client engagement contract.



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A. Client Information

| | |
|-------------------------------|--|
| Client Name: | BCTS Prince George Business Area |
| Audit Criteria: | ISO 14001:2004 and CSA Z809-08 |
| Scope of Registration: | <p>ISO 14001:2004: Forestry operations on Crown forest land including planning and performance on active and completed timber sales as well as SFM conformance by BCTS licencees, permittees, and contractors.</p> <p>CSA Z809-08 – Prince George Defined Forest Area: BC Timber Sales operations and responsibilities under the Prince George Sustainable Forest Management Plan (BC Timber Sales operations within the Prince George TSA and Tree Farm Licence 30).</p> <p>CSA Z809-08 – Mackenzie Defined Forest Area: BC Timber Sales operations and responsibilities under the Mackenzie Sustainable Forest Management Plan (BC Timber Sales operations within the Mackenzie TSA).</p> |
| Client Representative: | Gord Robertson, RFT, Certification Standards Officer |
| Assessment Number: | <p>ISO 14001: 2265</p> <p>Prince George/TFL 30 CSA Z089-08: 2265.15</p> <p>Mackenzie CSA Z809-08: 2265.24</p> |

B. Document Review Findings

The spring 2012 audit included an off-site document review (conducted May 16-30, 2012) of selected documents and records related to the Prince George and Mackenzie CSA Z809-08 certification audits. The document review identified a total of 11 areas of concern that were communicated to BC Prince George Operations in a report dated May 30, 2012. Follow-up on these issues during the field portion of the audit found that although some progress had been made towards addressing a number of the areas of concern that were identified during the document review, only 1 had been satisfactorily addressed by the operation at the time that the audit took place. The remaining 10 areas of concern are included in this report as audit findings.

C. Audit Details

| | |
|------------------------------------|---|
| Type of Audit: | ISO 14001: Surveillance (A2) CSA Z809 : Certification (IA) |
| Date(s) of Document Review: | May 16-30, 2012 |
| Date(s) of Field Audit: | June 11-15, 2012 |
| Date of Next Assessment: | Fall 2012 (SFI 2010-2014 Certification Audit) |
| Audit team: | Lead auditor: Dave Bebb Audit team members: Bodo von Schilling |
| Audit Report Distribution: | BCTS Prince George Operations KPMG PRI audit files |
| Audit objective(s): | The objective(s) of the audit was to evaluate the environmental and sustainable forest management system at BCTS Prince George Operations to: <ol style="list-style-type: none"> 1. Determine its conformance with the requirements of ISO 14001:2004 and CSA Z809-08; 2. Evaluate the ability of the system to ensure that BCTS Prince George Operations meets applicable regulatory requirements; 3. Evaluate the effectiveness of the system in ensuring that BCTS Prince George Operations meets its specified objectives, and; 4. Where applicable, identify opportunities for improvement. These objective(s) were met. |
| Audit scope: | The scope of the audit included: The elements of ISO 14001 and CSA Z809 outlined in the audit plan dated April 24, 2012. Activities conducted under the Organization's management system since the previous audit site visit. Visits to the following BCTS operations: Site 1. BCTS Prince George office Site 2. BCTS Mackenzie office Site 3. Various field sites located in the Prince George and Mackenzie DFAs |
| Audit sample size: | Number of field sites visited during the audit: Roads: 9 (PG DFA = 4, Mack. DFA = 5) Harvesting: 9 (PG DFA = 4, Mack. DFA = 5) Silviculture: 10 (PG DFA = 5, Mack. DFA = 5) |

D. Audit Findings

Good Practices

The following good practices were noted during the audit:

1. The Prince George Business Area has recently starting using the BCTS First Nations Consultation Cutblock and Road Due Diligence Report (DDR) as a means to document: (1) potential impacts of proposed roads and cutblocks on First Nations interests, (2) BCTS efforts to consult with potentially affected First Nations, (3) the relative strength of claim (completed separately for Aboriginal Rights and Aboriginal Title) of non-treaty First Nations, and (4) the TSM's conclusions as to whether the BCTS information sharing, consultation and accommodation activities were reasonable in the circumstances.
2. The Prince George/TFL 30 licensee teams and PAGs have devoted considerable time and resources over the past year in working to develop revised SFM plan that meet the incremental requirements of CSA Z809-08.
3. The audit noted a number of examples of thorough and effective root cause analysis by BCTS Mackenzie staff. For example, reports associated with ITS-TPG-2012-0137 did an excellent job of avoiding attributing responsibility to individuals and identifying the root cause so as to promote improvement of this 'near miss' incident regarding potential sedimentation of a stream in a site prep treatment.

Follow-up on open non-conformities from previous audits

At the time of this assessment there were a total of 4 open non-conformities from previous audits. The audit team reviewed the implementation of the action plans developed by BCTS Prince George Operations to address these issues, and found that good progress had been made towards addressing most of the open non-conformities. As a result, 3 out of the 4 previously identified non-conformities that were open at the time of the spring 2012 audit have now been closed. The current status of the minor non-conformities from previous audits that were open at the time of this assessment is as follows:

- **TPG-2010-NC-01** (strategies for the achievement of the landscape level biodiversity targets included in the Prince George SFM plan): The Prince George SFM plan has now been revised to address the requirements of CSA Z809-08. During this process, a number of the indicators and targets to which TPG-2010-NC-01 applied were either revised or replaced with different indicators and targets. Review of the revised suite of landscape level biodiversity targets found that strategies for their achievement had been included in the SFM plan indicator tables in most instances. However, the June 2012 version of the plan still lacks adequate strategies for the achievement of the patch size targets listed under Indicator 1.1.3(b). **As a result, TPG-2010-NC-01 has been closed and reformulated as a new minor non-conformity (TPG-2012-1-NC-04) that is presented later in this report.**
- **TPG-2011-NC-01** (weaknesses in the 2010 BCTS Prince George internal audit report and related corrective/preventive action plans) – The BCTS EMS manual and the contract with the BCTS internal auditor have been revised to address the weaknesses identified in the 2010 audit

report. In addition, review of the winter 2012 BCTS Prince George internal audit report did not identify any recurrence of the issues that gave rise to this finding. **NC closed.**

- **TPG-2012-1-NC-01** (lack of a formal assessment of the risk posed by the activities of non-signatory licensees to the targets included in the Mackenzie SFM Plan) – The licensee team has completed an indicator-specific assessment of the risks posed to the achievement of SFM plan targets by the activities of non-signatory licensees. Action plans (e.g., formation of the Mackenzie Landscape Objectives Working Group, etc.) have been developed to address those situations where it was determined that a risk to the achievement of SFM plan targets exists. An initial LOWG meeting has been held, and a data and cost sharing agreement has been developed. BCTS recently completed the first analysis of the landscape level indicators that are being monitored by the Mackenzie LOWG. **NC closed.**
- **TPG-2012-1-NC-02** (failure to identify a suspect non-specification stationary tank with a capacity of > 3000 litres during BCTS inspections and ensure that it was taken out of use) – The tank in question was re-inspected by BCTS staff. They were unable to determine if it was or was not a non-specification tank. However, the LPC subsequently took it out of commission, so the block level issue has been addressed. In addition: (1) the project risk rating form has been revised to document those situations where stationary/large mobile fuel tanks are in use, and (2) an informal fuel management training session was held with key operational staff on December 20, 2012 to help improve staff understanding of the requirements related to fuel tanks. Inspection of a sample of active field sites during the June 2012 field audit did not identify any recurrence of the issues that gave rise to this finding. **NC closed.**

Minor non-conformities

The following 5 minor nonconformities were identified during the audit:

1. **Minor non-conformity: TPG-2012-1-NC-01**

Standard/Element(s): ISO 14001: N/A
CSA Z809-08: Elements 5.4 and 7.3.5
Client Procedure: Prince George SFM Plan
Applicability: Prince George DFA

CSA Z809-08 element 7.3.5 requires the organization to document an SFM plan that meets the content requirements of the standard, while element 5.4 of the standard requires that interested parties have an opportunity to work with the organization to develop the SFM plan through the public participation process. However, the Prince George SFM plan is still in draft form and has not yet been formally endorsed by the PAG. That said, recent PAG minutes demonstrate that the revised plan was based on a thorough discussion with PAG members over several meetings.

2. **Minor non-conformity: TPG-2012-1-NC-02**

**Standard/Element(s): ISO 14001: N/A
 CSA Z809-08: Element 7.4.3**

Client Procedure: Prince George SFM Plan

Applicability: Prince George DFA

CSA Z809-08 element 7.4.3 requires the organization to make the SFM plan publicly available. However, the June 2012 version of the Prince George SFM plan is still draft and has yet to be made available to the public (e.g., through posting on external BCTS or Canfor websites).

3. **Minor non-conformity: TPG-2012-1-NC-03**

**Standard/Element(s): ISO 14001: N/A
 CSA Z809-08: Element 7.3.5**

Client Procedure: Prince George SFM Plan

Applicability: Prince George DFA

CSA Z809-08 element 6.1 requires that forecasts be prepared for the expected responses of each indicator to applicable strategies, and that the methods and assumptions used for making each forecast be described. In addition, CSA Z809-08 element 7.3.5 requires that the SFM plan include the current status and forecasts for each indicator, including a description of the assumptions and analytical methods used for forecasting. However, our review of the forecasting information included in the June 2012 version of the Prince George SFM plan identified the following weaknesses in relation to these requirements:

- The indicator tables included in the Prince George SFM plan include a variety of sections, 2 of which are titled “Forecast – Predicted Results or Outcome”, and “Forecast”. As such, the structure of the indicator tables is confusing, as it references forecasting in 2 separate sections. In addition, the information that is included in the section entitled “Forecast – Predicted Results or Outcome” is in many cases not a forecast at all, but rather information on the current status of the indicator. Further, the text included in the “Forecast” section is typically very general in nature (e.g., for Indicator 1.1.2: Forest Area by Type or Species Composition it reads “Healthy ecosystems with a diversity of native broadleaf and coniferous species maintained at endemic and sustainable levels. Species composition is utilized in the Provincial Timber Supply Review”). Note: Although the weaknesses in the “forecasts” contained in the SFM plan indicator tables are balanced to some degree by the more specific forecasting information contained in the TSR documents referenced under section 5.5 of the Prince George SFM plan, it is not clear why the SFM plan contains such vague “forecasts” in relation to a number of indicators when more detailed forecasting information is available elsewhere.
- Although section 5.5 of the Prince George SFM plan refers the reader to the 2011 Prince George TSA AAC Rationale for further details regarding regional level forecasting that has been completed in relation to the Prince George SFM plan:
 - There is no mention of the associated 2010 Prince George TSA Timber Supply Analysis Public Discussion Paper or the 2008 Prince George TSA Timber Supply Review Data Package, both of which contain more information regarding the applicable assumptions, forecasting results and sensitivity analyses than is included in the AAC Rationale.

- Although TFL 30 is included within the scope of the 2012 Prince George SFM plan, there is no mention of (or reference to) the forecasting that has been completed in relation to this portion of the DFA and the publicly available documents that relate to this (i.e., the 2003 TFL 30 AAC Rationale and 2007 TSR postponement order).
- A key assumption used in the most recent Prince George TSA Timber Supply Review, which relates directly to this indicator, is that “MPB-killed pine stands will continue to contribute to the achievement of old forest area objectives in the form of “Natural Forest Areas” until they regenerate into mature second growth natural forest areas and are harvested (possibly 100 years from initial death”. However, this assumption, which would appear tenuous at best based on the observed rate of deterioration of MPB-killed pine stands in the Prince George TSA, isn’t even mentioned in the SFM plan. Further, although the 2008 Prince George TSA data package indicated that sensitivity analyses were to be conducted where dead pine would only contribute to old growth objectives for 20 and 30 years after death, the results of these analyses are not presented or discussed in either the 2008 Prince George TSA AAC Rationale or the PG/TFL 30 SFM plan. As such, it is unclear what the potential implications may be for the achievement of the targets identified in relation to this indicator if the above assumption proves to be incorrect.
- The “forecast” section in the indicator table for Indicator 2.2.2 is blank.

4. **Minor non-conformity: TPG-2012-1-NC-04**

Standard/Element(s): ISO 14001: N/A
 CSA Z809-08: Element 6.1
Client Procedure: Prince George SFM Plan
Applicability: Prince George DFA

CSA Z809-08 element 6.1 requires the organization to develop DFA-specific performance measures that address all of the CSA SFM elements, and that strategies be identified for meeting the specified targets. Review of the VOITs included in the June 2012 version of the Prince George SFM plan found that these requirements had been met in most respects. However, the current status information included for Indicator 1.1.3(b) – Patch Size shows that patch size is currently trending away from the targets that have been set for several NDU/patch size categories. However, the plan contains little information regarding the strategies that will be used to address this issue beyond a statement that “The licensees are monitoring young patch size on a 5-year basis and will develop strategies to trend towards the targets.”

5. **Minor non-conformity: TPG-2012-1-NC-05**

Standard/Element(s): ISO 14001: Element 4.5.1
 CSA Z809: Element 7.5.1
Client Procedure: EMS Manual Chapter 13; EOP 2 Inspections
Applicability: Mackenzie DFA

ISO 14001 element 4.5.1 requires the organization to monitor on a regular basis the key characteristics of its operations that can have a significant environmental impact. CSA Z809-08 element 7.5.1 contains a similar requirement. BCTS EMS Manual Chapter 13 documents procedures for monitoring activities including inspections conducted by BCTS staff, while EOP 2 requires BCTS to monitor and inspect at a frequency according to the risk rating of the

project. This risk rating is documented on the pre-work form for the project. Inspection of TSL A86171 Block 29 during the audit found that BCTS had implemented all of the above monitoring procedures. However, the BCTS inspection (completed 7 days prior to the LPC finishing the block) did not note or identify any required correction actions relative to any of the following potential non-conformances with EMS, site plan and/or TSL requirements:

- The culvert at the junction of SCOV 1000 and 1400 was crushed and may not be functional.
- A skid trail at the south end of the opening in SU 2 was found to be heavily degraded.
- The entire length of spur SCOV 1500 and the last 150 m of SCOV 1400 were planned as temporary roads but were built to permanent road construction standards. Further:
 - SCOV 1400 in particular was built as a landing.
 - There were no obvious provisions for road rehabilitation such as side-cast organics piled for re-distribution.
 - It may not be possible to rehabilitate these roads back to full productivity.

Although BCTS operates under a results-based regulatory framework and cannot direct LPCs on how to implement a project, ISO 14001 and CSA Z809 certification still require that the organization exert a sufficient degree of control over LPC operations to ensure that EMS and SFM plan requirements are met.

Opportunities for improvement

The following 9 opportunities for improvement were identified during the audit:

1. **Opportunity for improvement: TPG-2012-1-OFI-01**

Standard/Element(s): ISO 14001: N/A
CSA Z809-08: Element 7.5.4
Client Procedure: Internal Audit
Applicability: Prince George Business Area

CSA Z809-08 element 7.5.4 requires the organization to establish and maintain procedures for internal audits to ensure that they conform to the SFM requirements of the standard. However, the January 17-18 and February 3, 2012 BCTS Prince George ISO 14001/CSA Z809 internal audit was conducted against the 2002 version of the CSA Z809 standard rather than the current 2008 version. Note: At the time that the audit took place the Mackenzie SFM plan had been revised to address the requirements of CSA Z809-08, but the changes to the Prince George SFM plan that were required to address the requirements of CSA Z809-08 were still incomplete.

2. Opportunity for improvement: TPG-2012-1-OFI-02

Standard/Element(s): ISO 14001: N/A
 CSA Z809-08: Element 6.2
Client Procedure: Mackenzie SFM Plan
Applicability: Mackenzie DFA

CSA Z809-08 element 6.2 requires the organization to establish DFA-specific performance requirements that: (1) address all of the CSA SFM elements, and (2) include, but are not necessarily limited to, the core indicators listed in the standard. However, review of the February 2012 version of the Mackenzie SFM plan did not find any references to core indicator 2.2.2 – proportion of the calculated long term harvest level that is actually harvested. Note: Although it appears that the SFM plan does address this core indicator, it should be specifically referenced in relation to indicator #25 - Harvest Volume.

3. Opportunity for improvement: TPG-2012-1-OFI-03

Standard/Element(s): ISO 14001: N/A
 CSA Z809-08: Element 6.1
Client Procedure: Mackenzie and Prince George SFM Plans
Applicability: Mackenzie and Prince George DFAs

CSA Z809-08 element 6.1 requires the organization to establish DFA-specific performance requirements (VOITs) that address all of the CSA SFM elements. It also requires that indicators be meaningful, and that appropriate targets be set in relation to them. However:

- Review of the Mackenzie SFM plan target for Indicator #6 (Coarse Woody Debris) found that it has been set at 4 logs per hectare, a number that is taken directly from section 68 of the FPPR and which is not supported by any studies of historic CWD levels.
- The Prince George SFM plan target for Indicator 3.1.2 (Percent of cutblocks where post harvest CWD levels are within the targets contained in plans) states that “100% of blocks harvested annually will meet targets”. However, review of the site plans for the blocks inspected during the audit found that some (e.g., A84127-1) defaulted to the regulatory minimum of 4 logs/hectare, a number which has no scientific basis. In addition, inspection of a number of the full tree harvesting IBM salvage blocks found that, although they likely met the CWD targets included in the applicable site plan, dispersed larger diameter CWD was generally lacking (i.e., this material was piled at roadside rather than being dispersed throughout the block).
- Mackenzie SFM plan Indicator # 9 addresses unnatural sediment occurrences and relates to core indicator 3.1.1 – Soil Disturbance and indicator 3.2.1 – Water and Watershed Management. In 2010-2011 BCTS did not report any sedimentation events in the Mackenzie SFM plan annual report and in 2011-12 BCTS noted two sedimentation events. However, the audit identified the following concerns relative to Indicator # 9 regarding the potential for inconsistency in the detection of instances of sedimentation and annual reporting in relation to this indicator:
 - Detection: The Mackenzie SFM plan and 2010/11 Annual Report indicate that sedimentation will be detected by forestry personnel during inspections and activities. However, BCTS Planning Staff stated that occurrences are noted based on incidents in the BCTS ITS. During audit field work KPMG held a number of discussions with BCTS personnel regarding detection of sedimentation events. BCTS staff were not

clear on the definition of sedimentation and how the occurrence of sedimentation might affect sustainable forest management.

- **Reporting:** During audit field work KPMG noted an LPC self-inspection that documented a potential sedimentation issue and the Licensee mitigated the event. This is precisely the scenario that the indicator is oriented towards. However, it was not clear to KPMG how meaningful sedimentation events that do not result in incidents would get reported in the annual report.

4. Opportunity for improvement: TPG-2012-1-OFI-04

Standard/Element(s): ISO 14001: N/A
CSA Z809-08: Element 7.3.5
Client Procedure: Mackenzie SFM Plan
Applicability: Mackenzie DFA

CSA Z809-08 element 7.3.5 requires the organization to develop an SFM plan that includes various components, including a statement of values, objectives, indicators and targets. However, review of the Mackenzie SFM plan VOIT table (Appendix F) found that a number of the explanatory comments accompanying the VOITs are dated, and refer to actions that were implemented some time ago.

5. Opportunity for improvement: TPG-2012-1-OFI-05

Standard/Element(s): ISO 14001:
CSA Z809-08: Element 7.4.3
Client Procedure: Mackenzie SFM Plan
Applicability: Mackenzie DFA

CSA Z809-08 element 7.4.3 requires the organization to prepare and make publically available an annual report of its performance under the SFM plan. However, although a Mackenzie SFM plan annual report for 2010/11 was prepared and shared with the PAG, review of the 2010/11 Mackenzie SFM plan annual report found that there had been some double-counting of Canfor and BCTS results in relation to Indicator 28 – First Order Wood Products, which is intended to track the number of first-order wood products (e.g., sawlogs, pulp logs, lumber, etc.) produced from the DFA.

6. Opportunity for improvement: TPG-2012-1-OFI-06

Standard/Element(s): ISO 14001: N/A
CSA Z809-08: Element 7.3.5
Client Procedure: Prince George SFM Plan
Applicability: Prince George DFA

CSA Z809-08 element 7.3.5 requires that the SFM plan include the current status for each indicator. However, our review of the June 2012 version of the Prince George SFM plan found that current status information was missing for a few of the indicators included in the plan (i.e., Indicators 4.1.1(a) and 5.2.1(b)). In addition, it is not clear from the text in the indicator table for Indicator 2.2.2 whether the current status information provided is for the Prince George TSA only or if it includes information for TFL 30 as well.

7. Opportunity for improvement: TPG-2012-1-OFI-07

Standard/Element(s): ISO 14001: N/A
CSA Z809-08: Element 7.2

Client Procedure: Prince George and Mackenzie SFM Plans, LPC Safety Programs

Applicability: Prince George Business Area

CSA Z809-08 element 7.2 requires the organization to define and maintain an SFM policy that includes a variety of commitments, including a commitment to provide conditions and safeguards for the health and safety of DFA-related workers and the public. BCTS is Safe Company certified, and requires that LPCs maintain their own Safe Company certifications. In addition, the Prince George and Mackenzie SFM plans include indicators and targets related to the maintenance of Safe Company certification, although in the case of BCTS this is limited to the organization's own certification and not that of LPCs. Inspection of a sample of active field sites did not identify any significant weaknesses in the implementation of BCTS or LPC safety procedures that could potentially undermine the organization's ability to meet its SFM policy commitment related to ensuring the health and safety of DFA-related workers and the public. However, LPC site supervisors only provided site safety orientation briefings to KPMG PRI and BCTS staff on 1 out of the 6 active sites (a planting block) visited during the audit.

8. Opportunity for improvement: TPG-2012-1-OFI-08

Standard/Element(s): ISO 14001: Element 4.4.6
CSA Z809-08: Element 7.4.6

Client Procedure: EFP 06 Fuel Handling

Applicability: Prince George Business Area

ISO 14001 element 4.4.6 and CSA Z809-08 element 7.4.6 require the organization to develop and implement operational control procedures in order to meet SFM requirements. EFP 06 outlines the BCTS fuel handling operational controls. Review of a sample of active site found that the requirements of EFP 06 had been met in the large majority of instances. However, the following isolated weaknesses in the implementation of EFP 06 were noted:

- Two pick-up trucks with mobile fuel tanks did not have spill kits as required by the procedure (A86276 Block 28).
- The spill kit in one pick-up located on A82480-1 with a mobile fuel tank did not include the required emergency tank sealant (e.g., Plug-n-Dyke or similar product).
- One pick-up mounted mobile fuel tank located in A84867-1 did not have the drip containment required by EFP-06.

9. Opportunity for improvement: TPG-2012-1-OFI-09

Standard/Element(s): ISO 14001: Element 4.4.6
CSA Z809-08: Element 7.4.6

Client Procedure: Critical Site Factor Sheet

Applicability: Mackenzie DFA

ISO 14001 element 4.4.6 and CSA Z809-08 element 7.4.6 require the organization to develop and implement operational control procedures in order to meet SFM requirements. . Critical Site Factor sheets are prepared by BCTS personnel and provided to LPCs in order to

highlight the values at risk associated with activities such as road construction, harvesting or silviculture treatments. However, in two instances (A86050 Block 34 and A84490 Block 5) in Mackenzie harvesting operations the critical site factor sheets did not include stream/wetland/riparian information for features that could potentially be impacted by LPC acutities. BCTS personnel explained that the features were left off of the critical site factor sheets because the features were outside of the block boundaries.

Audit conclusions

The audit found that BCTS Prince George Business Area's sustainable forest management system:

- Was in full conformance with the requirements of the ISO 14001 and CSA Z809 requirements included within the scope of the audit, except where noted otherwise in this report;
- Continues to be effectively implemented, and;
- Is sufficient to systematically meet the commitments included within the organization's environmental and SFM policy, provided that the system continues to be implemented and maintained as required.

As a result, a decision has been reached by the lead auditor to recommend that BCTS Prince George Operations continue to be registered to the CSA Z809 standards on the Prince George and Mackenzie DFAs.

Once we have received and approved any required corrective action plans, the BCTS Prince George and Mackenzie CSA Z809-08 registration files will be subject to a KPMG Independent Technical Review as required by our accreditation. Provided the Independent Technical Reviewer approves the recommendation, BCTS Prince George will receive replacement CSA Z809-08 registration certificates in approximately 4 weeks from the date of corrective action plan approval.

NB: Nothing has come to our attention during this assessment that would individually preclude a recommendation for continued registration of the BCTS multi-site EMS to the ISO 14001 standard. However, provincial level conclusions regarding conformance with the ISO 14001 standard cannot be made until the results of this assessment are consolidated with those of the other business units being sampled as part of the 2011/12 multi-site ISO 14001 surveillance audit.

NB: Our assessment by its nature is a sample and is not intended to be as comprehensive as your internal audit. It is possible for nonconforming issues to remain undetected. Our next assessment will verify that your internal audits have continued to operate as the primary mechanism to ensure that your management system remains effectively implemented and continues to improve.

E. Corrective Action Plans

Written corrective action plans that are designed to address the root causes of all identified non-conformities are required within 30 days of the closing meeting. These will be reviewed by KPMG PRI for adequacy, and either approved or returned for revision.

A template for the BCTS Prince George Business Area to develop the required corrective action plans will be provided to you for this purpose. Please complete the appropriate section of this template and e-mail your proposed corrective actions to the KPMG PRI lead auditor for review.

F. Focus Areas for Next Audit Visit

The following issues/potential concerns have been identified as focus areas for the next audit visit:

1. Implementation of action plans to address: (1) the non-conformities identified during the spring 2012 external audit, and (2) any open non-conformities from previous external audits.
2. The operation's efforts to transition from the current Prince George and Mackenzie single site CSA Z809-08 certifications to become part of the multi-site BCTS SFI 2010-2014 certification.

Canfor Mackenzie 2012 Audit Report March 16, 2012

SUMMARY OF AUDIT FINDINGS

- **Objectives**
- **Findings**
- **Conclusions**

Objectives

- **First surveillance audit of Canfor's multi-site ISO 14001:2004 certification.**
- **Multi-site (excluding FSJPP and TFL 48) certification audit against the requirements of CSA Z809-08.**
- **Multi-site certification audit against the requirements of PEFC ST 2002:2010.**
- **Follow-up on the status on open findings from previous external audits.**

Findings

- **Operational Strengths**
- **Status of Previous Non-conformities**
- **New Findings**

Operational Strengths

- **Good contractor crew awareness of site-specific environmental issues noted at the active sites visited during the audit.**
- **The FMS 2011 FMG management review, which included a review of SFM performance at the Mackenzie operation, was thorough and well-documented.**
- **The audit found that 1 contractor (Tree-to-Tree) had developed a drip containment system using empty fire extinguisher canisters fastened to the side of tidy tanks.**
- **Review of the Mackenzie division COPI records for the past year found that external communications were well documented, including several written communications and meetings with local FNs (Tsay Keh Dene, Nak'azdli and Takla Lake) regarding Canfor's proposed use of herbicides within their traditional territories.**
- **Vertical installation of 4 waste logs at the corners of a temporary bridge as a means to provide additional protection for the structure and better delineate its location during winter (Duz Cho).**

Status of Previous Non-conformities

The status of the open minor non-conformities identified during previous audits is as follows:

ISO 14001/CSA Z809:

- **2009-NC-04** (weaknesses in the measures (indicators) included in the Vanderhoof SFM plan, including the lack of a carbon monitoring plan): Although this finding was specific to Vanderhoof, the corporate portion of the action plan required the development of a carbon strategy for Canfor's FMG that will provide direction to SFM plan indicators for carbon storage and uptake). **The Company's progress towards the development of a corporate carbon strategy will be evaluated during the upcoming PG/TFL 30 site visit. NC remains open.**

Status of Previous Non-conformities

ISO 14001/CSA Z809:

- **2010-NC-01** (lack of continuous improvement in the Quesnel SFM plan): **Not applicable to Mackenzie.**
- **2010-NC-03** (weaknesses in the implementation of fuel tank inspection procedures by contractors): Inspection of a sample of field sites found that the required contractor fuel tank inspections had been completed. **NC closed with respect to Mackenzie.**
- **2010-NC-04** (weaknesses in the measures (indicators) included in the Quesnel SFM plan): **Not applicable to Mackenzie.**

Status of Previous Non-conformities

ISO 14001/CSA Z809:

- **2010-NC-06** (lack of clear strategies in the PG SFM plan to achieve landscape level biodiversity targets, e.g., seral stage, patch size, etc.): **Not applicable to Mackenzie.**
- **2011-NC-01** (weaknesses in the Mackenzie SFM plan related to how it deals with licensees who are not signatory to the plan): The licensee team has completed an indicator-specific assessment of the risks posed to the achievement of SFM plan targets by the activities of non-signatory licensees. Action plans (e.g., formation of the Mackenzie Landscape Objectives Working Group, etc.) have been developed to address those situations where it was determined that a risk to the achievement of SFM plan targets exists. An initial LOWG meeting has been held, and a data and cost sharing agreement has been developed. **NC closed.**

Status of Previous Non-conformities

PEFC CoC:

- **1480.11-NC-A2-01** (More volume was sold with a CoC claim from the Mackenzie sawmill during June 2011 than was produced at the mill that month): **Chip volume credit account and chip certification statements were not available for review during the Mackenzie site visit.** Further follow-up of this issue required during the PG and Vancouver office site visits.
- **1480.11-NC-A2-02** (Incomplete implementation of the PEFC logo use SOP at various facilities, i.e., lack of awareness of the SOP by facilities management, weaknesses in quality control checks in relation to the use of the PEFC logo on lumber and lumber wrap, PEFC logo and licence number not included on bills of lading, etc.): The audit found that: (1) the Mackenzie shipping supervisor had not been trained in the use of the PEFC logo use SOP, and consequently was not aware of the requirement for logo use quality control checks, and (2) recent bills of lading with a PEFC claim did not include the PEFC logo and licence number as required under step 4.3 of the PEFC Logo Use SOP. **NC remains open with respect to Mackenzie.**

New Findings

Non-conformities

- **CSA Z809-08 element 7.2 requires the organization to define policies that include commitments to various aspects of SFM. In addition, these policies must be communicated to employees and contractors and made available to the public. However, the May 2011 version of the Company's environment policy, which is available to the public on Canfor's external website, does not meet all of the content requirements of the standard. Specifically, the policy does not include commitments to:**
 - Respect and recognize Aboriginal title and rights, and treaty rights;
 - Provide participation opportunities for Aboriginal Peoples with rights to and interests in SFM within the DFA;
 - Honour all international agreements and conventions relevant to SFM to which Canada is a signatory, and;
 - Improve knowledge about the forest and SFM, monitor advances in SFM science and technology, and incorporate these advances where applicable.

In addition:

- While some of these commitments may be addressed in whole or in part by other Canfor policy documents, some of these are quite dated (e.g., Canfor's Forestry Principles) and in need of revision.
- Although the Company's Safety Policy includes commitments regarding the safety of staff and contractors, these commitments do not currently extend to providing conditions and safeguards to help ensure the safety of the general public. (Minor NC – Corporate Issue)

New Findings

Non-conformities

- **Element 7.2.2 of the PEFC Logo Usage Rules – Requirements (PEFC ST 2001:2008) require that the PEFC logo be accompanied by the Company’s PEFC licence number, except under exceptional circumstances (e.g., where there is not enough room to include the licence number). However, inspection of a sample of lumber pallets at the Mackenzie operation found that they had been covered with lumber wrap that included the PEFC logo but not the Company’s PEFC licence number. Note: The current PEFC Logo Usage Rules define (under element 3.2) on-product label use as “the use directly on tangible products themselves (unpackaged products), products in individual packaging, containers, wrapping, etc. or on large boxes, crates, etc. used for transportation of products”. As such, use of the PEFC logo on lumber wrap is considered to be on-product use. (Minor NC)**

New Findings

Non-conformities

- **Element 2 of Appendix 1 of the current PEFC CoC standard (PEFC ST 2002:2010) requires that the organization use the claim “x % PEFC certified” when communicating the content of PEFC certified material in output products. However, review of a sample of recent bills of lading for lumber produced the Mackenzie mill for which a PEFC claim had been made found that they included the statement “This product is PEFC certified from 100% certified raw material in compliance with PEFC Annex 4 chain of custody of forest based products – requirements, certificate number 1480.11.” As such, the claim on these bills of lading is not in conformance with the requirements of PEFC ST 2002:2010. In addition, the wording of the claim makes reference to the previous PEFC CoC standard (Annex 4), which was replaced by PEFC ST 2002:2010 effective November 26, 2011. (Minor NC)**

New Findings

Opportunities for improvement

- **CSA Z809-08 element 6.2 requires the organization to establish DFA-specific performance requirements that: (1) address all of the CSA SFM elements, and (2) include, but are not necessarily limited to, the core indicators listed in the standard. However, review of the February 2012 version of the Mackenzie SFM plan did not find any references to core indicator 2.2.2 – proportion of the calculated long term harvest level that is actually harvested. Note: Although it appears that the SFM plan does address this core indicator, it should be specifically referenced in relation to indicator #25 - Harvest Volume. (Divisional OFI)**
- **CSA Z809-08 element 6.1 requires the organization to establish DFA-specific performance requirements (VOITs) that address all of the CSA SFM elements. It also requires that indicators be meaningful, and that appropriate targets be set in relation to them. However, review of the target for Indicator #6 (Coarse Woody Debris) found that it has been set at 4 logs per hectare, a number that is taken directly from section 68 of the FPPR and which is not supported by any studies of historic CWD levels. (Divisional OFI)**

New Findings

Opportunities for improvement

- **CSA Z809-08 element 7.3.5 requires the organization to develop an SFM plan that includes various components, including a statement of values, objectives, indicators and targets. However, review of the Mackenzie SFM plan VOIT table (Appendix F) found that a number of the explanatory comments accompanying the VOITs are dated, and refer to actions that were implemented some time ago. (Divisional OFI)**
- **CSA Z809-08 element 7.4.3 requires the organization to prepare and make publically available an annual report of its performance under the SFM plan. However, although a Mackenzie SFM plan annual report for 2010/11 was prepared and shared with the PAG, the following weaknesses were identified:**
 - Review of the 2010/11 Mackenzie SFM plan annual report found that there had been some double-counting of Canfor and BCTS results in relation to Indicator 28 – First Order Wood Products, which is intended to track the number of first-order wood products (e.g., sawlogs, pulp logs, lumber, etc.) produced from the DFA.
 - There was a lack of supporting data (e.g., spreadsheets summarizing results in relation to various targets, etc.) to back-up some of the numbers reported by the operation in the 2010/11 annual report. (Divisional OFI)

New Findings

Opportunities for improvement

- **ISO 14001 element 4.4.2 and CSA Z809 element 7.4.2 require the organization to establish and maintain procedures for staff and contractor training to ensure that they have an adequate understanding of: (1) their roles and responsibilities under the FMS/SFM system (2) the potential environmental consequences of their work, (3) the FMS procedures that apply to them, and (4) the potential consequences of not following specified operating procedures. However, although the audit found that staff and contractor training and awareness was good overall, the following isolated weaknesses were noted:**
 - 2 feller-buncher operators working on block 3408 were not adequately aware of the requirements of the Company's stop work procedures when certain previously unidentified resource features are encountered during field operations (e.g., stick nests, bear dens).
 - One of the feller-buncher operators working on block 3408 was not included on the contractor's employee training summary matrix. Divisional OFI).

Field Sample Coverage

| | Number of field samples |
|---------------------|-------------------------|
| Harvesting | 7 |
| Roads | 8 |
| Bridges | 2 |
| Silviculture | 1 |

Overall Conclusions

- **Except where noted otherwise in this report, the EMS, SFM and CoC systems continue to:**
 - Be effectively implemented at the operation, and;
 - Conform with the requirements of the ISO 14001:2004, CSA Z809-08 and PEFC ST 2002:2010 standards.

Reporting

- **Our findings will be summarized in ISO 14001/CSA Z809 and PEFC CoC corporate audit reports once all applicable site visits have been completed (the PEFC report will be prepared in June 2012 and the ISO 14001/CSA Z809 report will be prepared in August 2012).**
- **A corporate ISO 14001/CSA Z809 public summary report will be made available for review and comment once all action plans have been approved.**
- **NB: Unless identified at other operations, isolated opportunities for improvement identified at the divisional level will not be brought forward to the corporate audit report. However, we will still be following-up on these division-specific issues during future site visits.**

Focus Areas for the Next Assessment

- **Implementation of action plans to address open findings from the 2012 and previous audits.**
- **Current lumber market conditions have necessitated that harvesting operations be concentrated closer to the mill. However, while this is a reasonable approach in the short term, it poses long term risks to fibre supply costs and landscape level biodiversity and wildlife values if allowed to persist for more than a few years. Future audits will include an evaluation of the extent to which the operation is able to expand its operations to access wood from the northern portion of the DFA as markets improve.**
- **Like much of BC, the forest inventory (a government responsibility in TSAs) in the Mackenzie TSA is becoming dated – a situation that is exacerbated where there is significant mortality of mature and old pine stands due the MPB. This has negative implications for both the credibility of the TSR process as well as the licensee team’s efforts to ensure that appropriate levels of old-growth forest exist to address landscape level biodiversity objectives. Future audits will include an assessment of the Company’s efforts to work with government to address this issue.**
- **Various local FNs (Tsay Keh Dene, Nak’azdli and Takla Lake) have expressed opposition to Canfor Mackenzie’s proposed plans to apply herbicides within their traditional territories. The next site visit will include an assessment of the Company’s continued efforts to communicate with local FNs on this issue and attempt to address their concerns.**



CANADIAN FOREST PRODUCTS LTD.
FMG EAST - MACKENZIE FIBRE
2012 FMS INTERNAL AUDIT SUMMARY

AUDIT DATE: Sept 5-7th, 2012

AUDIT TEAM P.L. Carruthers, Lead Auditor

AUDIT CRITERIA

- ✓ ISO 14001:2004 International Standard, Environmental management systems – Requirements with guidance for use (second edition 2004-11-15),
- ✓ CSA Z809-08 Sustainable Forest Management standard,
- ✓ PEFC ST 2002:2010, Chain of custody of forest based products – requirements,
- ✓ Plans required by statute and regulation required to operate on the DFA,
- ✓ Canfor's FMS and pursuant programs, procedures and policies.

AUDIT SCOPE

A review of documents and records with remote and onsite interviews with Mackenzie staff. Specifically, information relating to activities across Canfor's tenure within the Mackenzie DFA supporting:

- ✓ log purchase activities within/outside the DFA as they relate to the CoC guidelines,
- ✓ log inventory documentation designed to track certified log volumes at the Mackenzie processing facility,
- ✓ sustainable forest management on Canfor's Mackenzie tenure within the DFA.

INTERVIEWS

- ✓ FMG staff:
 - Mackenzie – 4,
 - PG – 1 (April 2012 & Sep 2012),
- ✓ Prince George Accounting staff – 1 (Apr 2012),
- ✓ Mackenzie Sawmill Staff - Planer QC Supervisor (Mar 2012 onsite & remote Sep 2012).

GENERAL COMMENTS

- ✓ Engaged staff with a positive attitude,
- ✓ 2011 audit actions addressed,
- ✓ ITS use consistent with few open cases and none that are unreasonable,
- ✓ Use of COPI is consistent and detailed allowing easy verification of SFMP indicator results,
- ✓ No issues with conformity detected,
- ✓ Significant work by the Mackenzie PAG, Canfor and BCTS to fully migrate to the Z809-08 standard. PAG appears engaged and interested.

FMS – ISO 14001:2004/CSA Z809-08

- ✓ **Review included:**
 - FMS documents and records – Sep 2011 through August 2012,
 - Current Mackenzie DFA SFMP (ver. 11 Aug 2, 2012) & 2011/12 SFMP annual report,
 - PAG Facilitators Report (ToR, minutes, attendance, mailings, etc.),
 - Membership list and recruitment summary,
 - Block/road records for FL A15384 (4 blocks of pop'n of 42 = 9.5% sample):
 - ☑ A78-1623, K25-0550, K26-0545 & L29-3407,
 - 2011 & 2012 planting pre-works/finals & 2012 final seedling allocations,
 - 2011/12 manual brushing preworks/finals
 - 2011 drag scarification pre-work/final,
 - Brushing, planting, regen delay and free growing reports.



✓ **Non-conformity/Non-compliance:**

- No instances of non-compliance identified,
- No major non-conformities identified,
- No minor non-conformities identified.

✓ **Opportunities for Improvement**

- OFI #1 - consider the Vhoof method of calculating the allowable seedlot variance in Plant Wizard allocations as a FMG model such that a consistent record is always available with each allocation (*noted that there is no variation beyond 3.9% in the 2012 planting records for Mackenzie and is documented*),
- OFI #2 - consider requesting action from MoFLNRO on submitted amendments (i.e. A36-1307 & A38-1363) for extended regen delay for lichen study blocks that show as not achieving regen delay w/I time frame req'd,
- OFI #3 - ensure required training (i.e. Aboriginal Awareness) that is complete is captured in Eclipse,
- OFI #4 - indicator #1; consider including young and mid seral stages (while remaining focused on old) to fully describe/monitor the change in the seral stages in the DFA over time,
- OFI #5 - indicator #7; may be more descriptive if the results showed % WT/WTP by LU & BEC vs. target allowing an annual assessment of achievement,
- OFI #6 - indicator #18; revise the Canfor reportable petroleum spill level to match the limit in the 2011 and 2012 EPRP (i.e. 50l not 20l),
- OFI #7 - ensure the annual report & facilitators reports are posted to the external website in a timely fashion,
- OFI #8 - consider the use of FJohn's *Master PAG contact list.xls* file as a "one file/simple" means of address clause 5.2(e)(i-v).

✓ **Best Management Practices**

- FMG Wide - Development and delivery of the Trespass Avoidance training ppt with follow up using FMS hazard alerts linked to the 2012 Environmental Programme objective/s should maintain awareness and aid in achieving the objective/s in the future,
- Mackenzie - No significant overachievement of WTP targets and Site Plans explicitly identify cases when WTP target overachieved (i.e. NPnat within WTP area) and links to the WTP requirement in the FSP [K25-0550 & K26-0545].

FMS - CHAIN OF CUSTODY

✓ **Review included:**

- FMG East facility records (Polar, PGSaw, PGChip, Mackenzie) facilities in April 2012:
 - ☑ Aug & Nov 2011 and Jan-Mar 2012 records (certification calculation spreadsheets, Y110/Y120 reports),
 - ☑ Sampling of log purchase agreements (LPA's) specific to Mackenzie,
 - ☑ Onsite interviews with the Senior Log Purchase Supervisor (Apr 2012 & email communication in Sep 2012), Woodlands Accountant (Apr 2012) and Mackenzie Planer Quality Control Supervisor (March 2012) and remote interview Sep 2012.

✓ **Findings**

- Transition to the new standard now sufficiently addressed,
- No divisional level non-conformities identified,
- Senior Log Purchase Supervisor familiar with the expanded definition of a controversial source, maintains SFM certificates for suppliers of raw material and has commenced certificate validation using the PEFC search register,
- LPA with revisions to address the expanded controversial source definition implemented,
- Revised lumber stamp in use & using old lumber wrap until depleted before implementing new wrap with logo licence #,
- Quality control checks performed and documented in QPM with the ability to develop a quality complaint report when req'd,
- *Bills of Lading* have the revised certification claim for #2/better.

✓ **Opportunities for Improvement**

- Consider continued CoC awareness training for facility staff regarding the CoC, it's purpose and their responsibilities under the Logo Use SOP.

INTERNAL AUDIT REPORT

- ✓ The FMG East audit report will be prepared and submitted within two weeks of this exit meeting.

Potential Indicator Changes



Research into certain indicators for 2013

CANFOR CORPORATION

Coarse Woody Debris



- What?
 - Indicator 6 – Coarse Woody Debris
- Why?
 - To address an OFI from 2012 KPMG Audit as well as PAG concerns
 - Potential to develop new best practices and change to Indicator
- How?
 - Conduct ground sampling to get baseline data on amount of CWD we are leaving under our current logging practices
 - Review of report written by Wildlife Infometrics in 2008
- When?
 - Summer 2013

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Productive Forest Representation



- What?
 - Indicator 4 – Productive Forest Representation
- Why?
 - Update with new data that was acquired through the Ecosystem Representation Analysis(ERA) work done over the past 2 years
- How?
 - Replace current targets with what was found during the ERA work
- When?
 - Fall/Winter 2012/13

Ideas?



March 27, 2013
Mackenzie PAG Meeting



Indicator Refinement- Proposed Changes to SFM Plan

CANFOR CORPORATION

Indicator 1 – Late Seral



- Current: Percent of blocks and roads harvested that meet the prescribed old growth targets.
- **Proposed:** *Percent of blocks that are within LU/BEC Groups that meet prescribed old-growth targets.*
- Target will be 100%, variance = 0
- The intent of this indicator is to ensure there is enough old growth across the landscape, roads are not removing a lot of old growth. As roads are associated with cutblocks, the roads will meet the targets as long as the cutblocks are in compliance.

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Indicator 2 – Interior Old



- Current: Percent of blocks and roads harvested that meet the prescribed interior old targets.
- **Proposed:** *Percent of blocks that are within LU/BEC Groups that meet prescribed Interior Old targets.*
- Target will be 100%, variance = 0
- Another indicator that mentions roads, the intent of this is to ensure there is enough Interior Old across the landscape, roads have little effect. As roads are associated with cutblocks, they will meet the targets as long as the cutblocks are in compliance.

Indicator 3 – Protected Areas



- Current: Percentage of blocks and roads harvested that are not within legally established protected areas, ecological reserves, or OGMAs. Target = 0
- Statement is slightly confusing and could end up isolating timber.
- **Proposed Change:** *Percentage of blocks and roads harvested that do not comply with Orders which legally establish protected areas, ecological reserves, or OGMAs*
- Target to remain @ 0.



Part 2 - Objectives

Old Growth Management Areas (OGMA)

2. Retain all timber within the Old Growth Management Areas (OGMAs), as shown on the attached Maps 1-7.
3. Despite section 3, minor forestry activity into the OGMAs is permitted provided the disturbance to the gross area of the OGMA area does not exceed:
 - a. 10% in OGMAs less than 50 hectares; or,
 - b. 5% or 40 hectares, whichever is less, in OGMAs of 50 hectares or greater.
4. Where an objective refers to an area shown on a map and the area is also defined by a source spatial dataset, the boundaries of the area as defined by the source spatial dataset will apply. All source spatial datasets are available in the Geographic Data Warehouse. www.geobc.gov.bc.ca
5. In accordance with section 4, where disturbance in an OGMA occurs, written notification to the Integrated Land Management Bureau, Land and Resource Team Leader is required.



- “Further, to deal with potential operational overlap between OGMAs and cutblocks, the following may be necessary. Where Category A approved or future cutblocks are located or proposed in close proximity (within 100m) to established OGMAs, the OGMA boundary may be modified to conform to the cutblock boundary. This would be undertaken to avoid isolating timber and create a more defined boundary for future reference. This provision is not a substitute for accurate mapping and block layout.”
- This “exception to the rule” would only be employed at the direction of a forest professional and to avoid timber isolation, OGMAs will not be “targeted” for harvesting.

A Hypothetical Example:

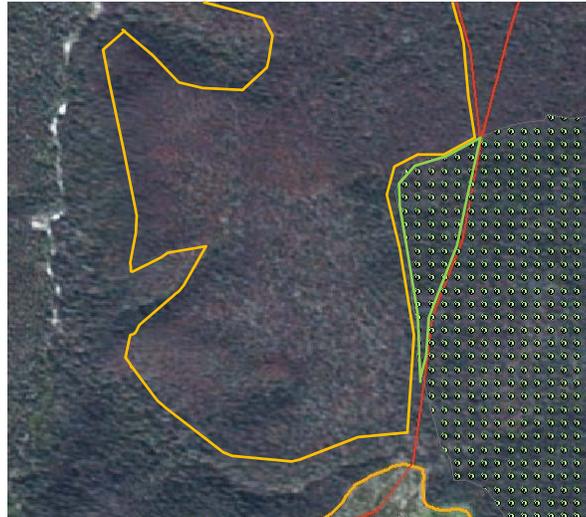


 Proposed cutblock

 Isolated timber

 Road

 OGMA



Indicator 4 – Percent of productive forest by BEC variant represented in the non-harvestable land base.



- Thought to be a “non-meaningful” indicator as it pertains to what is outside of our influence.
- Knowing what is outside the THLB is good to know, but indicator should be in association with what is within the THLB
- **Proposed** : *Total hectares logged in rare and un-common ecosystems.*
- Target will be set at 0 ha.
- Rare and un-common ecosystems to be derived from the ERA analysis done last year.

Indicator 5 – Patch Size



- Current: Percentage of blocks **and roads** harvested that meet the prescribed patch size target ranges or are trending towards the target range.
- Again, wanting to remove the mention of roads in this indicator.
- Roads are not “patches” they therefore are not part of the analysis and don’t contribute towards or away from the target.
- **Proposed:** *Percentage of blocks harvested that meet the prescribed patch size target ranges or are trending towards the target range.*
- The target will remain the same for this indicator, 100% with a variance of 30%.

Indicator 6 – Coarse Woody Debris



- Current: The percentage of blocks and **roads** harvested that exceed coarse woody debris requirements.
- **Proposed :** *The percentage of blocks harvested that exceed coarse woody debris requirements as set out in Site Plans.*
- Target to remain at 100%, with variance of 0.
- Coarse woody debris sampling is still planned for this summer.

Indicator 18 – Oil Spills



- There are no proposed changes to this indicator, but it was noticed that the table was incorrect. Note that Canfor reports when greater than 50L of petroleum, solvents, and grease are spilled. Reporting is un-changed.
- The existing table showed 20L, which is out of date.

| Substance | Legally Reportable Quantity Spilled* | BCTS EMS Reportable Quantity Spilled* | Canfor EMS Reportable Quantity Spilled* |
|------------------------|--------------------------------------|---------------------------------------|---|
| Petroleum Products | 100 L | 25 L | 50 L |
| Antifreeze (undiluted) | 5 L | 5 L | 5 L |
| Battery acid | 10kg | 5kg | 10kg |
| Grease | 100 L | 25 L | 50 L |
| Paints and solvents | 100 L | 25 L | 50 L |
| Pesticides | 1 kg | 1 kg | 1 kg |

Indicator 19 - Area of THLB converted to non-forest land use through forest management activities.



- Would like to switch this to measure area of Gross Land Base as opposed to Timber Harvesting Land Base. THLB changes, Gross does not.
- Proposed:** *The percent of gross land base in the DFA converted to non-forested land use through forest management activities.*
- Consistency across plans, makes annual reporting easier and provides easier comparisons across the company.
- The target in the PG plan is <3%, although they currently sit around 1.6%, this is due to the fact that more roads still need to be built.
- At the end of the day the amount of area removed through forest management is still being measured and managed to keep as low as possible.

Indicator 22 - Regeneration



- Current: Percent of standard units declared stocked prior to the regeneration date, consistent with operational plans.
- **Proposed:** *The regeneration delay, by area, for stands established annually.*
- This will give an actual number in years, which is weighted by area.
- Type of regeneration (natural vs artificial) will be reported out independently as they have different targets. Artificial = 4 yrs, Natural = 7 yrs
- Target will be <4 years for Artificial Regen, and <7 for Natural Regen.

Indicator 23 – Reforestation Success



- Current : Percent of standard units declared Free Growing prior to the late free growing assessment date.
- **Proposed:** *The % of block area that meets free growing requirements as identified in site plans.*
- This will still be reported as a percentage, with target being 100%. The only difference is that instead of reporting on SU's we will be reporting on area.
- Currently reporting SU's regardless of size, could be 2 ha or 1000 ha.

Indicator 48 - Employees will receive First Nations awareness training.



- Current statement is not in-tune with Canfor training policies, this change will provide clarity.
- Canfor training policy does not require ALL employees to receive this training. Ex. FMG Accountants will not receive the training.
- **Proposed Change:** *FMG employees will receive First Nations Awareness training as per the FMG Training Matrix.*