

## Detailed Forest Management Plan



## VOIT development

September 4, 2007

High Level Forests Public Advisory  
Committee Meeting

## Values, Objectives, Indicators and Targets

- Purpose of presentation:
  - Review of V.O.I.T's proposed at July meeting
  - Participants to gain an understanding of similarities between current and proposed VOIT's
  - Propose more V.O.I.T's to discuss
- October meeting:
  - discuss more V.O.I.T's in new DFMP, and
  - identify V.O.I.T's to be carried forward from current SFM Plan

September 4, 2007

High Level Forests Public Advisory  
Committee Meeting

CCFM Criterion	CSA SFM Element	Value	Objective	Indicator	Target
1. Biological Diversity	1.1 Ecosystem Diversity: Conserve ecosystem diversity at the landscape level by maintaining the variety of communities and ecosystems that occur naturally in the DFA	1.1.1 Landscape scale bio-diversity	1.1.1.5 Maintain unique habitats provided by wildfire and blowdown events	Areas of unsalvaged burned forest	<i>The Companies, with SRD, will assess fire areas on a case by case basis, evaluated based on distance to mill, timber types, lumber prices and other economic drivers. Unsalvaged areas will be left untouched, and for areas salvaged the following will apply.</i> Live trees: Retain all unburned trees in green islands and retained patches recognizing timber condition, access, non-timber needs. Burned trees – Compartment Scale: Retain greater than 10% of merchantable black trees in patches greater than 100ha. Burned trees – Harvest Area Scale: Retain greater than 10% of merchantable black trees in patches 10-100 ha; and retain greater than 5% of merchantable black trees in small patches, single trees according to loggers choice

**See SFM Plan, 2.1.1b**

September 4, 2007 High Level Forests Public Advisory Committee Meeting

CCFM Criterion	CSA SFM Element	Value	Objective	Indicator	Target
1. Biological Diversity	1.1 Ecosystem Diversity: Conserve ecosystem diversity at the landscape level by maintaining the variety of communities and ecosystems that occur naturally in the DFA	1.1.1 Landscape scale bio-diversity	1.1.1.6 Retain ecological values and functions associated with riparian zones	<b>Compliance with OGR</b>	<b>Consistent with OGR</b>

**NEW, Related to SFM Plan, 3.2.1a-2**

September 4, 2007 High Level Forests Public Advisory Committee Meeting

CCFM Criterion	CSA SFM Element	Value	Objective	Indicator	Target
1. Biological Diversity	1.1 Ecosystem Diversity: Conserve ecosystem diversity at the landscape level by maintaining the variety of communities and ecosystems that occur naturally in the DFA	1.1.2 Local stand / scale diversity	1.1.2.2 Maintain integrity of sensitive sites	Sensitive sites (eg., mineral licks, major game trails) by subunit and entire DFA	<i>Companies to follow provincial guidelines and UHROGR.  (OGR have been amended recently)</i>
<b>See SFM Plan, 1.1.1b (similar)</b>					

September 4, 2007 High Level Forests Public Advisory Committee Meeting

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1. Biological Diversity	1.1 Ecosystem Diversity: Conserve ecosystem diversity at the landscape level by maintaining the variety of communities and ecosystems that occur naturally in the DFA	1.1.2 Local stand / scale diversity	1.1.2.3 Maintain aquatic biodiversity by minimizing impact of water crossings.	<b>Forestry water crossing in compliance with Code of Practice for Watercourse Crossing within each subunit.</b>	<b>Designs meet standards of the Code of Practice for Watercourse Crossings</b>
<b>See SFM Plan, 3.2.1a-3</b>					

September 4, 2007 High Level Forests Public Advisory Committee Meeting

CCFM Criterion	CSA SFM Element	Value	Objective	Indicator	Target
2. Ecosystem Productivity	2.1 Ecosystem Resilience	2.1.1 Reforested harvest areas	2.1.1.1 Meet reforestation targets on all harvested areas	Annual % of SR regeneration surveys	100% of regeneration surveys will be sufficiently restocked

See SFM Plan, 4.1.1a-1

September 4, 2007

High Level Forests Public Advisory Committee Meeting

CCFM Criterion	CSA SFM Element	Value	Objective	Indicator	Target
2. Ecosystem Productivity	2.1 Ecosystem Resilience	2.1.1 Reforested harvest areas	2.1.1.1 Meet reforestation targets on all harvested areas	Cumulative % of reforested areas that meet reforestation target	100% of reforested areas will meet reforestation target

NEW

September 4, 2007

High Level Forests Public Advisory Committee Meeting

CCFM Criterion	CSA SFM Element	Value	Objective	Indicator	Target
2. Ecosystem Productivity	2.1 Ecosystem Resilience	2.1.2 Maintenance of forest landbase	2.1.2.1 Limit conversion of productive forest landbase to other uses	Amount of change in forest landbase	<i>The companies will strive to negate loss of forest landbase through recovery efforts during planting operations (planting seismic lines and well sites adjacent to operations).</i>
<b>See SFM Plan, 4.2.1a</b>					

September 4, 2007

High Level Forests Public Advisory Committee Meeting

CCFM Criterion	CSA SFM Element	Value	Objective	Indicator	Target
2. Ecosystem Productivity	2.1 Ecosystem Resilience	2.1.2 Maintenance of forest landbase	2.1.2.2 Recognize lands affected by insects, disease or natural calamities	Amount of area affected	<i>The companies will maintain annual forest health information provided by ASRD, and will adjust plans accordingly (eg. Spruce Budworm Plan, FHP).</i>
<b>See SFM Plan, 2.1.1a</b>					

September 4, 2007

High Level Forests Public Advisory Committee Meeting

CCFM Criterion	CSA SFM Element	Value	Objective	Indicator	Target
2. Ecosystem Productivity	2.1 Ecosystem Resilience	2.1.3 Control invasive species	2.1.3.1 Control non-native plant species (weeds)	Noxious weed program	<p><i>**Full implementation of the Weed Control Plan for FMA 0200040, in order to meet the goals of :</i></p> <ul style="list-style-type: none"> <li>• <i>Increase knowledge and awareness of weeds and weed management within the FMA.</i></li> <li>• <i>Increase identification of Restricted, Noxious and Nuisance Weeds.</i></li> <li>• <i>Increased detection of weed infestations through greater education.</i></li> </ul> <p><small>(plan needs to be approved by Alberta)</small></p>

**Requirement within 2003 DFMP approval.**

September 4, 2007

High Level Forests Public Advisory Committee Meeting

CCFM Criterion	CSA SFM Element	Value	Objective	Indicator	Target
3. Soil and Water	3.1 Soil quantity and quality	3.1.1 Soil productivity	3.1.1.2 Minimize incidence of soil erosion and slumping	<b>Incidence of soil erosion and slumping</b>	<b>Complete compliance</b>

**NEW**

September 4, 2007

High Level Forests Public Advisory Committee Meeting

CCFM Criterion	CSA SFM Element	Value	Objective	Indicator	Target
5. Multiple Benefits to Society	5.1 Timber and non-timber benefits	5.1.1 Sustainable timber supplies	5.1.1.1 Establish appropriate AACs	Process described in Annex 1* is followed and standards are met	<b>Complete compliance.</b> <i>At or under AAC levels over any 5 year period.</i>

**See SFM Plan, 5.1.1a**

\*Timber Supply Analysis (TSA) and Growth & Yield.

September 4, 2007

High Level Forests Public Advisory Committee Meeting

CCFM Criterion	CSA SFM Element	Value	Objective	Indicator	Target
5. Multiple Benefits to Society	5.2 Communities and Sustainability	5.2.3 Forest Productivity is maintained.	5.2.3.1 Maintain Long Run Sustained Yield Average	<b>Regenerated stand yield compared to natural stand yield</b>	<b>No net decrease from the natural stand productivity</b>

**See SFM Plan, 3.1.1a-3**

September 4, 2007

High Level Forests Public Advisory Committee Meeting

## New VOIT's to be reviewed ....

September 4, 2007

High Level Forests Public Advisory  
Committee Meeting

CCFM Criterion	CSA SFM Element	Value	Objective	Indicator	Target
1. Biological Diversity	1.3 Genetic Diversity Conserve genetic diversity by maintaining the variation of genes within species.	1.3.1 Genetic integrity of natural tree populations	1.3.1.1 Retain "wild forest populations" for each tree species in each seed zone through establishment of in-situ reserves by the organization or in cooperation with Alberta	Number and area (ha) of in situ genetic conservation areas	Number (X) of genetic conservation areas for each seed zone conforming with Section 3 of the Green Area section of Standards for Tree Improvement in Alberta  <i>**Program to be developed post DFMP submission by Alberta, therefore companies may need only to commit to participating.</i>

**NEW, related to SFM Plan 1.3.1a-1 & 1.3.1a-2**

September 4, 2007

High Level Forests Public Advisory  
Committee Meeting



CCFM Criterion	CSA SFM Element	Value	Objective	Indicator	Target
1. Biological Diversity	1.3 Genetic Diversity Conserve genetic diversity by maintaining the variation of genes within species.	1.3.1 Genetic integrity of natural tree populations	1.3.1.2 Retain wild forest genetic resources through ex-situ conservation	Number of provenances and genetic lines in ex-situ gene banks and trials	Active conservation program for all Controlled Parentage Program plan species and other species in cooperation with Alberta  <i>**Companies are not involved in any Controlled Parentage Program at this time. Reporting will likely be involved reporting on Kg's of seed available from our FMA.</i>

**NEW, related to SFM Plan 1.3.1a-1 & 1.3.1a-2**

September 4, 2007

High Level Forests Public Advisory  
Committee Meeting

CCFM Criterion	CSA SFM Element	Value	Objective	Indicator	Target
3. Soil & Water	3.2 Water Quality and Quantity	3.2.1 Water Quantity	3.2.1.1 Limit impact of timber harvesting on water yield	Forecast impact of timber harvesting on water yield.	<i>Zero Water Act penalties, Complete compliance with FMP within acceptable limits.</i>

**Watershed Analysis Project, requirement of 2003 DFMP approval**

September 4, 2007

High Level Forests Public Advisory  
Committee Meeting

CCFM Criterion	CSA SFM Element	Value	Objective	Indicator	Target
3. Soil & Water	3.2 Water Quality and Quantity	3.2.2 Effective riparian habitats	3.2.2.1 Minimize impact of operations in riparian areas	Riparian buffers maintained as outlined in OGRs	<i>Complete compliance with OGR's in place at time of submission.</i>
<b>See SFM Plan, 3.2.1 a-2</b>					

September 4, 2007

High Level Forests Public Advisory  
Committee Meeting

CCFM Criterion	CSA SFM Element	Value	Objective	Indicator	Target
5. Multiple Benefits to Society	5.2 Communities and Sustainability	5.2.2 Provide opportunities to derive benefits and participate in use and management	5.2.2.1 Integrate other uses and timber management activities	Extent of various uses	<i>Track opportunities provided to the public.</i>
<b>Related to SFM Plan, 6.3.1</b>					

September 4, 2007

High Level Forests Public Advisory  
Committee Meeting

CCFM Criterion	CSA SFM Element	Value	Objective	Indicator	Target
6.0 Accepting Society's Responsibility for Sustainable Development	6.1 Aboriginal and treaty rights and aboriginal forest values	6.1.1 Compliance with government regulations and policies.	6.1.1.1 Implement Public Involvement Program	Meet Alberta's current expectations for aboriginal consultation	<i>Consult at the community level with designated representatives of affected aboriginal communities</i>
<b>See SFM Plan, 6.1.1 a, consultation</b>					

September 4, 2007

High Level Forests Public Advisory Committee Meeting

# Questions?

September 4, 2007

High Level Forests Public Advisory Committee Meeting