

## Detailed Forest Management Plan



### PERSPECTIVE

Try looking at things from your opponents point of view

## Progress on VOIT development

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## Detailed Forest Management Plan - Update

- DFMP – requirement of FMA holder; provides strategic direction for management of the Forest Management Agreement (FMA) area
- Companies required to submit new DFMP within 5 years of 2003 FMP
- Revised submission date of October 31, 2008, rather than September 11, 2007.
- Silvacom Ltd., providing the data and analytical expertise to develop the plan
- On-going Plan Development Team meetings. Most recent being April 4<sup>th</sup>, 2007. SRD Planning Forester off on medical leave.
- Development of Values, Objectives, Indicators and Targets (VOIT) as per Alberta's requirement in Planning Standard (follows CSA framework)

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## Alberta's Planning Standard (2006)

- Use and Interpretation of CAN/CSA Z809-02
  - Relevance of CCFM Criteria in FMP's
  - Values, Objectives, Indicators and Targets
    - Some are Regulatory (set in stone)
    - Others only allow Indicators and Targets to be determined by companies
- Fundamental change to forest management in Alberta: shift from the concept of sustained yield to sustainable forest management

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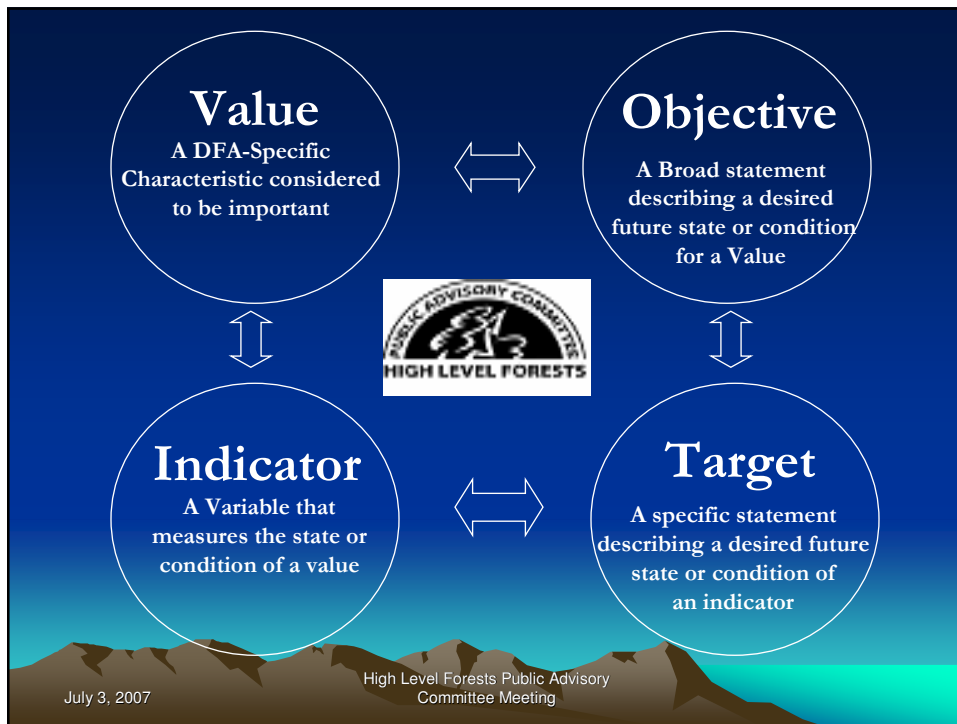
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## Framework for VOIT table – CCFM Criteria to have SFM on DFA

1. Conservation of Biological Diversity
2. Maintenance & Enhancement of Forest Ecosystem Condition & Productivity
3. Conservation of Soil & Water Resources
4. Forest Ecosystem Contributions to Global Ecological Cycles
5. Multiple Benefits to Society
6. Accepting Society's Responsibility for Sustainable Development

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## What do the VOIT's do?

- A Measure of sustainability
- A Measure of improvement
- A Measure to meet social requirements
- A Measure to meet environmental demands
- Measure of economics (local community)
- Overall, measure of Companies' operations on DFA

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## *Current Values, Objectives, Indicators, and Targets*

- The companies will review current commitments made in other processes to determine the following:
  - Alignment with the new Alberta Planning Manual requirements
  - Evaluate current performance of existing commitments and to evaluate the effectiveness of the “targets”
  - Commitments not required by Alberta will be evaluated to determine relevance to the VOIT framework.

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## Expectations in DFMP & PAC Terms of References

- “Contribute to the development of the Forest Management Plan (FMP) by identifying local-level Values, Objectives, Indicators, and Targets (VOIT)”
- “Develop procedures for monitoring the effectiveness of the public advisory process and the Detailed Forest Management Plan”

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## Feedback from the PAC

- Documented
- Reported to Plan Development Team
- Companies to provide feedback to the PAC on questions or comments
- Adjust direction
- As in the DFMP & PAC ToR: "...in the event a consensus recommendation of the PAC is not acceptable to the Companies, a written explanation of the decision will be provided and included in the FMP as such."

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## Reviewing VOIT's

- Company reps determine direction for VOIT's
- Present to Alberta Planning Foresters to ensure VOIT meets Alberta requirement
- Modify if required
- Present to PAC for discussion, feedback, etc.

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# When to complete VOIT's?

- Other presentations and discussions in Fall 2007.
- Need to have framework by January 2008.
- Questions, before reviewing VOIT's?

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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. 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</i>

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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	Compliance with OGR	Consistent with OGR

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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>

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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	1.1.2.3 Maintain aquatic biodiversity by minimizing impact of water crossings.	Forestry water crossing in compliance with Code of Practice for Watercourse Crossing within each subunit.	Designs meet standards of the Code of Practice for Watercourse Crossings

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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

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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

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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>

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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>

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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><i>(plan needs to be approved by Alberta)</i></p>

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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>

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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  <i>*Timber Supply Analysis (TSA) and Growth &amp; Yield.</i>	<b>Complete compliance.</b> <i>At or under AAC levels over any 5 year period.</i>

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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	Regenerated stand yield compared to natural stand yield	No net decrease from the natural stand productivity

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# Questions?

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