



# Lakes Timber Supply Area Preliminary Social and Economic Indicators

## Introduction

Throughout the Scenario Planning Process, a number of resource values, and indicators were identified that related to social and economic issues for the communities of interest in the Lakes Timber Supply Area (TSA). Each of these values was chronicled in the Scenario Planning Database and served as the starting point for a more thorough exploration during the delivery of the “Local Social Indicator Development” Project.

This Report details the results of discussions related to social and economic values that were held during Scenario Planning sessions. This reference document provides a valuable resource for ongoing projects related to Social Indicators. For more information on the Scenario Planning process, which was used to identify and capture the detailed management objectives, strategies and indicators required for SFM, please refer to the “Scenario Planning Summary Report” available from the Morice & Lakes IFPA website.

## Terms and Definitions

The following table defines the terms found in this report.

Term	Definition	Examples
Resource	Identifies the forest resource being described.	<ul style="list-style-type: none"> <li>• Agriculture</li> <li>• Landscape and Stand Level Biodiversity</li> <li>• Recreation</li> <li>• Timber</li> <li>• Visual</li> <li>• Watershed and Riparian</li> <li>• Wildlife</li> <li>• Community Stability</li> </ul>
Value/Issue	Identifies specific resource values and/or issues that directly relate to each resource.	<ul style="list-style-type: none"> <li>• Agricultural Products.</li> <li>• Fair distribution of timber and non-timber benefits and costs over time.</li> <li>• Fair, equitable and effective public participation.</li> </ul>
Value Rank	Scenario Planning Team ranking of IFPA value/issues for analysis purposes.	1 (High) to 3 (Low)
CSA Ref	Cross reference to CSA SFM Element.	19 Different Elements

Term	Definition	Examples
Indicator	Lists the indicators which may be used to measure the success of practices and/or assumptions towards meeting objectives.	<ul style="list-style-type: none"> <li>• Area harvested within the Agricultural/Settlement RMZ by licensee.</li> <li>• % of total goods and services provided by local vendors by licensee (operational).</li> <li>• % seral stage distribution by non-timber tenure license by forest licensee.</li> <li>• Benefits directed into local communities by licensee.</li> </ul>
Indicator Rating	Scenario Planning Team ranking of Indicators for analysis purposes.	<ul style="list-style-type: none"> <li>• CSA – Canadian Standards Association (Forecast).</li> <li>• CSA-O – Canadian Standards Association (Operational).</li> <li>• S – Socio-economic.</li> </ul>

## Contact

For more information, contact:

Dwight Scott Wolfe, R.P.F.  
 Scenario Planning Coordinator  
 Tesera Systems, Inc.  
 PO Box 2130, Prince George, BC, Canada V2N 2J6  
 (w) 250 612-4062, (f) 250 612-4090  
 Email: [dwight.wolfe@tesera.com](mailto:dwight.wolfe@tesera.com)

# Morice and Lakes IFPA Indicator List 10-Feb-03

# Lakes TSA

1	<b>INDICATOR:</b>	<b># of communications sent (operational) by Resource Value by Type by licensee</b>	<b>INDICATOR RATING:</b> CSA-O
	<u>Community Stability</u>	<u>Fair, equitable and effective public participation</u>	<b>VALUE RANK:</b> 1 <b>CSA REF:</b> 6.3
	<u>Community Stability</u>	<u>Informed decision-making and increased knowledge</u>	<b>VALUE RANK:</b> 1 <b>CSA REF:</b> 6.4
	<u>Cultural Heritage</u>	<u>First Nations' Aboriginal and treaty rights</u>	<b>VALUE RANK:</b> 1 <b>CSA REF:</b> 6.1
2	<b>INDICATOR:</b>	<b># of Large Live Trees/ha by LU by BEC by licensee</b>	<b>INDICATOR RATING:</b> CSA
	<u>Landscape and Stand Level Biodiversity</u>	<u>The supply and variety of timber and non-timber products, services and benefits on the DFA</u>	<b>VALUE RANK:</b> 1 <b>CSA REF:</b> 5.1
3	<b>INDICATOR:</b>	<b># of participation opportunities (operational) by opportunity type</b>	<b>INDICATOR RATING:</b> CSA-O
	<u>Community Stability</u>	<u>Healthy and sustainable communities</u>	<b>VALUE RANK:</b> 1 <b>CSA REF:</b> 5.2
	<u>Community Stability</u>	<u>Public Participation</u>	<b>VALUE RANK:</b> 1 <b>CSA REF:</b> 6.3
4	<b>INDICATOR:</b>	<b>\$/m3 by species</b>	<b>INDICATOR RATING:</b> S
	<u>Timber</u>	<u>Revenue to the Crown</u>	<b>VALUE RANK:</b> D <b>CSA REF:</b>
	<u>Timber</u>	<u>Revenue to the Crown</u>	<b>VALUE RANK:</b> D <b>CSA REF:</b>
5	<b>INDICATOR:</b>	<b>\$(Total) collected annually by TSA</b>	<b>INDICATOR RATING:</b> S
	<u>Timber</u>	<u>Revenue to the Crown</u>	<b>VALUE RANK:</b> D <b>CSA REF:</b>
	<u>Timber</u>	<u>Revenue to the Crown</u>	<b>VALUE RANK:</b> D <b>CSA REF:</b>
6	<b>INDICATOR:</b>	<b>\$ generated for tax revenue by TSA</b>	<b>INDICATOR RATING:</b> S
	<u>Timber</u>	<u>General Economic values</u>	<b>VALUE RANK:</b> D <b>CSA REF:</b>
	<u>Timber</u>	<u>General Economic values</u>	<b>VALUE RANK:</b> D <b>CSA REF:</b>
7	<b>INDICATOR:</b>	<b>\$ value of stand as a f(product class (and dollar value of CT?))</b>	<b>INDICATOR RATING:</b> S
	<u>Timber</u>	<u>Commercial thinning</u>	<b>VALUE RANK:</b> 1 <b>CSA REF:</b>
	<u>Timber</u>	<u>Commercial thinning</u>	<b>VALUE RANK:</b> 1 <b>CSA REF:</b>
8	<b>INDICATOR:</b>	<b>% area &lt; VEG by Recreation Class by licensee</b>	<b>INDICATOR RATING:</b> CSA
	<u>Recreation</u>	<u>A variety of recreational experiences are provided on the DFA.</u>	<b>VALUE RANK:</b> 1 <b>CSA REF:</b> 5.1
9	<b>INDICATOR:</b>	<b>% area &lt; VEG by VQO by licensee</b>	<b>INDICATOR RATING:</b> CSA
	<u>Recreation</u>	<u>A variety of recreational experiences are provided on the DFA.</u>	<b>VALUE RANK:</b> 1 <b>CSA REF:</b> 5.1
10	<b>INDICATOR:</b>	<b>% of AAC harvested (operational) by licensee</b>	<b>INDICATOR RATING:</b> CSA-O
	<u>Timber</u>	<u>The supply and variety of timber and non-timber products, services and benefits on the DFA.</u>	<b>VALUE RANK:</b> 1 <b>CSA REF:</b> 5.1
11	<b>INDICATOR:</b>	<b>% of Comments receiving response (operational) by Type by licensee</b>	<b>INDICATOR RATING:</b> CSA-O
	<u>Community Stability</u>	<u>Fair, equitable and effective public participation</u>	<b>VALUE RANK:</b> 1 <b>CSA REF:</b> 6.3

# Morice and Lakes IFPA Indicator List 10-Feb-03

# Lakes TSA

	<u>Community Stability</u>	<u>Informed decision-making and increased knowledge</u>	VALUE RANK: 1	CSA REF: 6.4
	<u>Cultural Heritage</u>	<u>First Nations' Aboriginal and treaty rights</u>	VALUE RANK: 1	CSA REF: 6.1
12	<b>INDICATOR:</b>	<b>% of forest management commitments completed on time resulting from consultations regarding non-timber features and interests (operational) by licensee</b>	<b>INDICATOR RATING:</b> CSA-O	
	<u>Community Stability</u>	<u>Healthy and sustainable communities</u>	VALUE RANK: 1	CSA REF: 5.2
	<u>Cultural Heritage</u>	<u>Indigenous Knowledge of forest values and uses</u>	VALUE RANK: 1	CSA REF: 6.2
	<u>Recreation</u>	<u>A variety of recreational experiences are provided on the DFA.</u>	VALUE RANK: 1	CSA REF: 5.1
	<u>Timber</u>	<u>The supply and variety of timber and non-timber products services and benefits on the DFA</u>	VALUE RANK: 1	CSA REF: 5.1
13	<b>INDICATOR:</b>	<b>% of total goods and services provided by local vendors (operational) by licensee</b>	<b>INDICATOR RATING:</b> CSA-O	
	<u>Community Stability</u>	<u>Fair distribution of timber and non-timber benefits and costs over time</u>	VALUE RANK: 1	CSA REF: 5.3
	<u>Community Stability</u>	<u>Healthy and sustainable communities</u>	VALUE RANK: 1	CSA REF: 5.2
14	<b>INDICATOR:</b>	<b>% seral stage distribution by Ecosystem &amp; Wildlife Value Class by licensee</b>	<b>INDICATOR RATING:</b> CSA	
	<u>Landscape and Stand Level Biodiversity</u>	<u>The supply and variety of timber and non-timber products, services and benefits on the DFA</u>	VALUE RANK: 1	CSA REF: 5.1
15	<b>INDICATOR:</b>	<b>% seral stage distribution by non-timber tenure license by forest licensee</b>	<b>INDICATOR RATING:</b> CSA	
	<u>Community Stability</u>	<u>Fair distribution of timber and non-timber benefits and costs over time</u>	VALUE RANK: 1	CSA REF: 5.3
16	<b>INDICATOR:</b>	<b>% species composition by BEC by licensee</b>	<b>INDICATOR RATING:</b> CSA	
	<u>Landscape and Stand Level Biodiversity</u>	<u>The supply and variety of timber and non-timber products, services and benefits on the DFA</u>	VALUE RANK: 1	CSA REF: 5.1
17	<b>INDICATOR:</b>	<b>% total area by Wildlife Value Class by LU by licensee</b>	<b>INDICATOR RATING:</b> CSA	
	<u>Landscape and Stand Level Biodiversity</u>	<u>The supply and variety of timber and non-timber products, services and benefits on the DFA</u>	VALUE RANK: 1	CSA REF: 5.1
18	<b>INDICATOR:</b>	<b>Area (ha) of shrub by type by LU by BEC by licensee</b>	<b>INDICATOR RATING:</b> CSA	
	<u>Landscape and Stand Level Biodiversity</u>	<u>The supply and variety of timber and non-timber products, services and benefits on the DFA</u>	VALUE RANK: 1	CSA REF: 5.1
19	<b>INDICATOR:</b>	<b>Area harvested within the Agricultural/Settlement RMZ by licensee</b>	<b>INDICATOR RATING:</b> CSA	
	<u>Agriculture</u>	<u>Agricultural Products</u>	VALUE RANK: 1	CSA REF: 5.1
20	<b>INDICATOR:</b>	<b>Benefits directed into local communities by licensee</b>	<b>INDICATOR RATING:</b> CSA-O	

# Morice and Lakes IFPA Indicator List 10-Feb-03

# Lakes TSA

	<u>Community Stability</u>	<u>Fair distribution of timber and non-timber benefits and costs over time</u>	VALUE RANK: 1	CSA REF: 5.3
21	<b>INDICATOR:</b> FRBC - related indicators		<b>INDICATOR RATING:</b> S	
	<u>Timber</u>	<u>Employment</u>	VALUE RANK: D	CSA REF:
	<u>Timber</u>	<u>Employment</u>	VALUE RANK: D	CSA REF:
22	<b>INDICATOR:</b> IRR at the Forest Level		<b>INDICATOR RATING:</b> S	
	<u>Timber</u>	<u>General Economic values</u>	VALUE RANK: D	CSA REF:
	<u>Timber</u>	<u>General Economic values</u>	VALUE RANK: D	CSA REF:
23	<b>INDICATOR:</b> IRR of this incremental silviculture activity at the TSA level.		<b>INDICATOR RATING:</b> S	
	<u>Timber</u>	<u>Commercial thinning</u>	VALUE RANK: 1	CSA REF:
	<u>Timber</u>	<u>Commercial thinning</u>	VALUE RANK: 1	CSA REF:
24	<b>INDICATOR:</b> Jobs		<b>INDICATOR RATING:</b> S	
	<u>Timber</u>	<u>Backlog Brushing</u>	VALUE RANK: 3	CSA REF:
	<u>Timber</u>	<u>Backlog Brushing</u>	VALUE RANK: 3	CSA REF:
	<u>Timber</u>	<u>Fertilization, Late Rotation</u>	VALUE RANK: 2	CSA REF:
	<u>Timber</u>	<u>Fertilization, Late Rotation</u>	VALUE RANK: 2	CSA REF:
	<u>Timber</u>	<u>Fertilization, Repeat</u>	VALUE RANK: 2	CSA REF:
	<u>Timber</u>	<u>Fertilization, Repeat</u>	VALUE RANK: 2	CSA REF:
	<u>Timber</u>	<u>Incremental Spacing</u>	VALUE RANK: 1	CSA REF:
	<u>Timber</u>	<u>Incremental Spacing</u>	VALUE RANK: 1	CSA REF:
	<u>Timber</u>	<u>Pruning</u>	VALUE RANK: D	CSA REF:
	<u>Timber</u>	<u>Pruning</u>	VALUE RANK: D	CSA REF:
25	<b>INDICATOR:</b> Jobs (direct) by full/part time		<b>INDICATOR RATING:</b> S	
	<u>Timber</u>	<u>Employment</u>	VALUE RANK: D	CSA REF:
	<u>Timber</u>	<u>Employment</u>	VALUE RANK: D	CSA REF:
26	<b>INDICATOR:</b> Jobs (indirect)		<b>INDICATOR RATING:</b> S	
	<u>Timber</u>	<u>Employment</u>	VALUE RANK: D	CSA REF:
	<u>Timber</u>	<u>Employment</u>	VALUE RANK: D	CSA REF:
27	<b>INDICATOR:</b> Jobs by method		<b>INDICATOR RATING:</b> S	
	<u>Timber</u>	<u>Site Preparation</u>	VALUE RANK: 1	CSA REF:
	<u>Timber</u>	<u>Site Preparation</u>	VALUE RANK: 1	CSA REF:

# Morice and Lakes IFPA Indicator List 10-Feb-03

# Lakes TSA

	<u>Timber</u>	<u>Vegetation Management (maintain Base Case)</u>	VALUE RANK: 1	CSA REF:
	<u>Timber</u>	<u>Vegetation Management (maintain Base Case)</u>	VALUE RANK: 1	CSA REF:
<b>28</b>	<b>INDICATOR:</b>	<b>Jobs by method (site prep, plant)</b>	<b>INDICATOR RATING:</b>	<b>S</b>
	<u>Timber</u>	<u>Problem Forest Type Rehab, High Density</u>	VALUE RANK: 1	CSA REF:
	<u>Timber</u>	<u>Problem Forest Type Rehab, High Density</u>	VALUE RANK: 1	CSA REF:
<b>29</b>	<b>INDICATOR:</b>	<b>Jobs by method (site prep, plant)</b>	<b>INDICATOR RATING:</b>	<b>S</b>
	<u>Timber</u>	<u>Problem Forest Type Rehab, Low Volume</u>	VALUE RANK: 1	CSA REF:
	<u>Timber</u>	<u>Problem Forest Type Rehab, Low Volume</u>	VALUE RANK: 1	CSA REF:
<b>30</b>	<b>INDICATOR:</b>	<b>Jobs by treatment</b>	<b>INDICATOR RATING:</b>	<b>S</b>
	<u>Timber</u>	<u>Not Satisfactorily Restocked Areas, Backlog</u>	VALUE RANK: D	CSA REF:
	<u>Timber</u>	<u>Not Satisfactorily Restocked Areas, Backlog</u>	VALUE RANK: D	CSA REF:
<b>31</b>	<b>INDICATOR:</b>	<b>Jobs planting, high density planting, site prep</b>	<b>INDICATOR RATING:</b>	<b>S</b>
	<u>Timber</u>	<u>Stem Rust</u>	VALUE RANK: 1	CSA REF:
	<u>Timber</u>	<u>Stem Rust</u>	VALUE RANK: 1	CSA REF:
<b>32</b>	<b>INDICATOR:</b>	<b>Mean Annual Increment (m3/ha/yr) by BEC by licensee</b>	<b>INDICATOR RATING:</b>	<b>CSA</b>
	<u>Timber</u>	<u>The supply and variety of timber and non-timber products, services and benefits on the DFA.</u>	VALUE RANK: 1	CSA REF: 5.1
<b>33</b>	<b>INDICATOR:</b>	<b>PAG established and maintained according to approved Terms of Reference</b>	<b>INDICATOR RATING:</b>	<b>CSA-O</b>
	<u>Community Stability</u>	<u>Fair, equitable and effective public participation</u>	VALUE RANK: 1	CSA REF: 6.3
	<u>Community Stability</u>	<u>Fair, equitable and effective public participation</u>	VALUE RANK: 1	CSA REF: 6.3
<b>34</b>	<b>INDICATOR:</b>	<b>Road density by road phase by recreation class by licensee</b>	<b>INDICATOR RATING:</b>	<b>CSA</b>
	<u>Recreation</u>	<u>A variety of recreational experiences are provided on the DFA.</u>	VALUE RANK: 1	CSA REF: 5.1
<b>35</b>	<b>INDICATOR:</b>	<b>Volume (m3/ha) of CWD by diameter class by LU by BEC by licensee</b>	<b>INDICATOR RATING:</b>	<b>CSA</b>
	<u>Landscape and Stand Level Biodiversity</u>	<u>The supply and variety of timber and non-timber products, services and benefits on the DFA</u>	VALUE RANK: 1	CSA REF: 5.1