



Morice Timber Supply Area Preliminary Social and Economic Values

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 Morice 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"> • Agriculture • Landscape and Stand Level Biodiversity • Recreation • Timber • Visual • Watershed and Riparian • Wildlife • Community Stability
Value/Issue	Identifies specific resource values and/or issues that directly relate to each resource.	<ul style="list-style-type: none"> • Agricultural Products. • Fair distribution of timber and non-timber benefits and costs over time. • Fair, equitable and effective public participation.

Term	Definition	Examples
Mgmt Intent	Identifies the intent for managing the value/issue specified, some examples include	<ul style="list-style-type: none"> • A variety of agricultural products are provided from the DFA. • Timber and non-timber benefits and costs a fairly and equally distributed at a range of scales for current and future generations. • An open public involvement process designed and implemented to the satisfaction of participants.
Basecase, Forest Productivity, etc	Describes the actions required to meet objectives (listed by Learning Scenario).	
Static Layers / Derived Layers	Lists the inventories or information requirements necessary to model assumptions and indicators	<ul style="list-style-type: none"> • Static – inventories provided by IFPA Participants. • Derived – inventories derived from Static Layers.
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"> • Area harvested within the Agricultural/Settlement RMZ by licensee. • % of total goods and services provided by local vendors by licensee (operational). • % seral stage distribution by non-timber tenure license by forest licensee. • Benefits directed into local communities by licensee.
Context	Key words to assist in understanding how the indicator will be used for analysis purposes.	<ul style="list-style-type: none"> • Target • Monitor
Rating	Scenario Planning Team ranking of Indicators for analysis purposes.	<ul style="list-style-type: none"> • CSA – Canadian Standards Association (Forecast). • CSA-O – Canadian Standards Association (Operational). • S – Socio-economic.
Rationale	Rational for Delete or Accept indicator.	<ul style="list-style-type: none"> • Useful for decision making. • Habitat element. • Assess under socio-economic. • Not Modeled in this analysis (CSA).

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

Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

RESOURCE: Agriculture

VALUE/ISSUE: A balanced supply and variety of timber and non-timber products, services and benefits on the DFA **MGMT INTENT:** A variety of agricultural products are provided from the DFA

BASECASE **FOREST PRODUCTIVITY** **WILDLIFE** **ECOSYSTEM** **BIODIVERSITY** **WATERSHED** **RECREATION** **AGRICULTURE**

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: % area in suitable forage opportunity class	by LU by licensee	CONTEXT: Target	RATING: CSA 5.3	RATIONALE:
INDICATOR: Area (ha/yr) harvested	within the ALR/Grazing Lease Area by licensee	CONTEXT: Target	RATING: CSA 5.1	RATIONALE:

Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

RESOURCE: Community Stability

VALUE/ISSUE: A balanced supply and variety of timber and non-timber products services and benefits on the DFA **MGMT INTENT:** A sustainable harvest and use of non-timber forest products, services and benefits

BASECASE **FOREST PRODUCTIVITY** **WILDLIFE** **ECOSYSTEM** **BIODIVERSITY** **WATERSHED** **RECREATION** **AGRICULTURE**

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: % of forest management commitments completed on time resulting from consultations regarding non-timber features and interests (operational) by licensee **CONTEXT:** Target **RATING:** CSA-O 5.1 **RATIONALE:**

VALUE/ISSUE: Community Growth

MGMT INTENT: Encourage community growth through job diversity initiatives and maintaining resource accessibility.

BASECASE **FOREST PRODUCTIVITY** **WILDLIFE** **ECOSYSTEM** **BIODIVERSITY** **WATERSHED** **RECREATION** **AGRICULTURE**
 Indicator Monitoring Only. Indicator Monitoring Only. Indicator Monitoring Only. Indicator Monitoring Only. Indicator Monitoring Only. Indicator Monitoring Only. Indicator Monitoring Only. Indicator Monitoring Only.

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: Jobs by activity **CONTEXT:** Monitor **RATING:** S **RATIONALE:** Assess under socio-economic

INDICATOR: Jobs by activity **CONTEXT:** Monitor **RATING:** S **RATIONALE:** Assess under socio-economic

INDICATOR: Jobs (direct) **CONTEXT:** Monitor **RATING:** S **RATIONALE:** Assess under socio-economic

INDICATOR: Jobs (direct) **CONTEXT:** Monitor **RATING:** S **RATIONALE:** Assess under socio-economic

INDICATOR: Jobs (indirect) **CONTEXT:** Monitor **RATING:** S **RATIONALE:** Assess under socio-economic

INDICATOR: Jobs (indirect) **CONTEXT:** Monitor **RATING:** S **RATIONALE:** Assess under socio-economic

Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

VALUE/ISSUE: Fair distribution of timber and non-timber benefits and costs over time

MGMT INTENT: Timber and non timber benefits are fairly and equitably distributed at a range of scales for current and future generations

BASECASE FOREST PRODUCTIVITY WILDLIFE ECOSYSTEM BIODIVERSITY WATERSHED RECREATION AGRICULTURE

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: # of Continual Improvement – related projects (operational)	in the DFA by Licensee	CONTEXT: Target	RATING: CSA-O 5.3	RATIONALE: CSA
INDICATOR: % seral stage distribution	by non-timber tenure license by forest licensee	CONTEXT: Target	RATING: CSA 5.3	RATIONALE:
INDICATOR: Benefits (donations, scholarships etc.) directed into local communities (operational)	by licensee	CONTEXT: Target	RATING: CSA-O 5.3	RATIONALE:

VALUE/ISSUE: Fair, equitable and effective public participation

MGMT INTENT: A public involvement process designed and implemented to the satisfaction of participants

BASECASE FOREST PRODUCTIVITY WILDLIFE ECOSYSTEM BIODIVERSITY WATERSHED RECREATION AGRICULTURE

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: # of communications sent (operational)	by Resource Value by Type by licensee	CONTEXT: Target	RATING: CSA-O 6.3	RATIONALE:
INDICATOR: # of participation opportunities (operational)	by opportunity type	CONTEXT: Target	RATING: CSA-O 6.3	RATIONALE:
INDICATOR: % of Comments receiving response (operational)	by Type by licensee	CONTEXT: Target	RATING: CSA-O 6.3	RATIONALE:
INDICATOR: PAG established and maintained according to approved Terms of Reference (operational)		CONTEXT: Target	RATING: CSA-O 6.3	RATIONALE:

Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

VALUE/ISSUE: Forest Management Education

MGMT INTENT: Establish guided tours (self-guided tours) of forestry operations or a series of forestry seminars to senior citizen tourists.

<u>BASECASE</u> Indicator Monitoring Only.	<u>FOREST PRODUCTIVITY</u> Indicator Monitoring Only.	<u>WILDLIFE</u> Indicator Monitoring Only.	<u>ECOSYSTEM</u> Indicator Monitoring Only.	<u>BIODIVERSITY</u> Indicator Monitoring Only.	<u>WATERSHED</u> Indicator Monitoring Only.	<u>RECREATION</u> Indicator Monitoring Only for learning scenarios. Management strategies to be discussed during decision scenario development.	<u>AGRICULTURE</u> Indicator Monitoring Only.
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STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: Level of concentration and variety of forest management activities adjacent to Granisle and Houston.	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
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INDICATOR: Level of concentration and variety of forest management activities adjacent to Granisle and Houston.	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
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VALUE/ISSUE: Healthy and sustainable communities

MGMT INTENT: A diverse local economy and local participation in the use and management of forest benefits on the DFA.

<u>BASECASE</u>	<u>FOREST PRODUCTIVITY</u>	<u>WILDLIFE</u>	<u>ECOSYSTEM</u>	<u>BIODIVERSITY</u>	<u>WATERSHED</u>	<u>RECREATION</u>	<u>AGRICULTURE</u>
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STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: # of participation opportunities (operational) by opportunity type	CONTEXT: Target	RATING: CSA-O 5.2	RATIONALE:
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INDICATOR: % of AAC harvested (operational) by licensee	CONTEXT: Target	RATING: CSA-O 5.2	RATIONALE:
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INDICATOR: % of total goods and services provided by local vendors (operational) by licensee	CONTEXT: Target	RATING: CSA-O 5.2	RATIONALE: Locally will be determined by Postal Code
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INDICATOR: Ratio of annual mill consumption to AAC apportionment harvested (operational) by licensee	CONTEXT: Target	RATING: CSA-O 5.2	RATIONALE:
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Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

INDICATOR: Ratio of Capital Expenditures to Depreciation by licensee (operational) by licensee **CONTEXT:** Target **RATING:** CSA-O 5.2 **RATIONALE:** Indicator is not under DFA management control, dependant on external economic drivers. (CSA)

VALUE/ISSUE: Informed decision-making and increased knowledge

MGMT INTENT: Relevant information is exchanged between interested parties to support decision-making and increased knowledge of ecosystem processes and human interactions with forest ecosystems.

BASECASE **FOREST PRODUCTIVITY** **WILDLIFE** **ECOSYSTEM** **BIODIVERSITY** **WATERSHED** **RECREATION** **AGRICULTURE**

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: # of communications sent (operational) by Resource Value by Type by licensee **CONTEXT:** Target **RATING:** CSA-O 6.4 **RATIONALE:**

INDICATOR: # of Continual Improvement – related projects (operational) in the DFA by Licensee **CONTEXT:** Target **RATING:** CSA-O 6.4 **RATIONALE:** CSA

INDICATOR: % of Comments receiving response (operational) by Type by licensee **CONTEXT:** Target **RATING:** CSA-O 6.4 **RATIONALE:**

VALUE/ISSUE: New Community Forest Tenures for Granisle and Houston

MGMT INTENT: Establish new Granisle and Houston Community Forests as two of the Provincial pilots.

BASECASE **FOREST PRODUCTIVITY** **WILDLIFE** **ECOSYSTEM** **BIODIVERSITY** **WATERSHED** **RECREATION** **AGRICULTURE**
 Indicator Monitoring Only. New Community Forest Areas do not contribute to THLB but they do contribute to wildlife and biodiversity targets. Indicator Monitoring Only. Indicator Monitoring Only. Indicator Monitoring Only. Indicator Monitoring Only. Indicator Monitoring Only. Indicator Monitoring Only. Indicator Monitoring Only.

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: Area (ha) by LU **CONTEXT:** Monitor **RATING:** S **RATIONALE:** Assess under socio-economic

INDICATOR: Area (ha) by LU **CONTEXT:** Monitor **RATING:** S **RATIONALE:** Assess under socio-economic

Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

INDICATOR: Area (ha)	by NDT	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Area (ha)	by NDT	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Area (ha)	by ownership code	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Area (ha)	by ownership code	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic

VALUE/ISSUE: Non-Timber Forest Products

MGMT INTENT: Establish a viable non-timber forest product industry.

<u>BASECASE</u>	<u>FOREST PRODUCTIVITY</u>	<u>WILDLIFE</u>	<u>ECOSYSTEM</u>	<u>BIODIVERSITY</u>	<u>WATERSHED</u>	<u>RECREATION</u>	<u>AGRICULTURE</u>
Indicator Monitoring Only.	Indicator Monitoring Only.	Indicator Monitoring Only.	Indicator Monitoring Only.	Indicator Monitoring Only.	Indicator Monitoring Only.	Indicator Monitoring Only.	Indicator Monitoring Only.

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: Area	by site series	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Area	by site series	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Area	by structural stage	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Area	by structural stage	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic

VALUE/ISSUE: Stumpage

MGMT INTENT: Re-invest stumpage dollars back into the local economy.

<u>BASECASE</u>	<u>FOREST PRODUCTIVITY</u>	<u>WILDLIFE</u>	<u>ECOSYSTEM</u>	<u>BIODIVERSITY</u>	<u>WATERSHED</u>	<u>RECREATION</u>	<u>AGRICULTURE</u>
Indicator Monitoring Only.	Indicator Monitoring Only.	Indicator Monitoring Only.	Indicator Monitoring Only.	Indicator Monitoring Only.	Indicator Monitoring Only.	Indicator Monitoring Only.	Indicator Monitoring Only.

STATIC LAYERS:

DERIVED LAYERS:

Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

INDICATOR: Amount of government revenue directed into the local economy as a result of stumpage payments. **CONTEXT:** Monitor **RATING:** S **RATIONALE:** Assess under socio-economic

INDICATOR: Amount of government revenue directed into the local economy as a result of stumpage payments. **CONTEXT:** Monitor **RATING:** S **RATIONALE:** Assess under socio-economic

Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

RESOURCE: Cultural Heritage

VALUE/ISSUE: First Nations' Aboriginal and treaty rights

MGMT INTENT: Duly-established First Nations, Aboriginal and treaty rights are recognized and respected.

BASECASE FOREST PRODUCTIVITY WILDLIFE ECOSYSTEM BIODIVERSITY WATERSHED RECREATION AGRICULTURE

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: # of communications sent (operational) by Resource Value by Type by licensee **CONTEXT:** Target **RATING:** CSA-O 6.1 **RATIONALE:**

INDICATOR: % of Comments receiving response (operational) by Type by licensee **CONTEXT:** Target **RATING:** CSA-O 6.1 **RATIONALE:**

VALUE/ISSUE: Indigenous Knowledge of forest values and uses

MGMT INTENT: Forest management incorporates Indigenous Knowledge of forest values and uses

BASECASE FOREST PRODUCTIVITY WILDLIFE ECOSYSTEM BIODIVERSITY WATERSHED RECREATION AGRICULTURE

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: % of forest management commitments completed on time resulting from consultations regarding non-timber features and interests (operational) by licensee **CONTEXT:** Target **RATING:** CSA-O 6.2 **RATIONALE:**

Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

RESOURCE: Recreation

VALUE/ISSUE: A variety of recreational experiences are provided on the DFA

MGMT INTENT: A full range of recreation opportunities are provided on the DFA.

<u>BASECASE</u>	<u>FOREST PRODUCTIVITY</u>	<u>WILDLIFE</u>	<u>ECOSYSTEM</u>	<u>BIODIVERSITY</u>	<u>WATERSHED</u>	<u>RECREATION</u>	<u>AGRICULTURE</u>
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STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: % area < VEG	by VQO by licensee	CONTEXT: Target	RATING: CSA 5.1	RATIONALE:
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VALUE/ISSUE: Access Management (Snowmobile Trail Networks, Existing)

MGMT INTENT: To ensure access to existing snowmobile trail networks.

<u>BASECASE</u>	<u>FOREST PRODUCTIVITY</u>	<u>WILDLIFE</u>	<u>ECOSYSTEM</u>	<u>BIODIVERSITY</u>	<u>WATERSHED</u>	<u>RECREATION</u>	<u>AGRICULTURE</u>
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Indicator only.	Indicator only.	Indicator only.	Indicator only.	Indicator only.	Indicator only.	Indicator only pending data review.	Indicator only.
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STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: # of Local and non-resident user days		CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
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INDICATOR: # of Local and non-resident user days		CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
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INDICATOR: # of snowmobile user days	by snowmobile zone	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
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INDICATOR: # of snowmobile user days	by snowmobile zone	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
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INDICATOR: \$ spent	per user day	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
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INDICATOR: \$ spent	per user day	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
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Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

VALUE/ISSUE: Access Management (Snowmobile Trail Networks, New)

MGMT INTENT: To ensure access to new snowmobile trail networks.

<u>BASECASE</u> Indicator only.	<u>FOREST PRODUCTIVITY</u> Indicator only.	<u>WILDLIFE</u> Indicator only.	<u>ECOSYSTEM</u> Indicator only.	<u>BIODIVERSITY</u> Indicator only.	<u>WATERSHED</u> Indicator only.	<u>RECREATION</u> Indicator only pending data review.	<u>AGRICULTURE</u> Indicator only.
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STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: # of Local and non-resident user days		CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
INDICATOR: # of Local and non-resident user days		CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
INDICATOR: # of snowmobile user days	by snowmobile zone	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
INDICATOR: # of snowmobile user days	by snowmobile zone	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
INDICATOR: \$ spent	per user day	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
INDICATOR: \$ spent	per user day	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic

VALUE/ISSUE: Commercial Recreation - Angling

MGMT INTENT: Maintain or enhance commercial angling opportunities.

<u>BASECASE</u> Indicator only.	<u>FOREST PRODUCTIVITY</u> Indicator only.	<u>WILDLIFE</u> Indicator only.	<u>ECOSYSTEM</u> Indicator only.	<u>BIODIVERSITY</u> Indicator only.	<u>WATERSHED</u> Indicator only.	<u>RECREATION</u> Indicator only.	<u>AGRICULTURE</u> Indicator only.
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STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: \$ value of Commercial Recreation - Angling		CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
INDICATOR: \$ value of Commercial Recreation - Angling		CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic

Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

VALUE/ISSUE: Commercial Recreation - Aquatic Eco-tourism (Canoeing, Kayaking, Rafting, Sailing, Jet Boat, Skiing, Houseboat) **MGMT INTENT:** Maintain or enhance commercial aquatic eco-tourism opportunities.

<u>BASECASE</u> Indicator only.	<u>FOREST PRODUCTIVITY</u> Indicator only.	<u>WILDLIFE</u> Indicator only.	<u>ECOSYSTEM</u> Indicator only.	<u>BIODIVERSITY</u> Indicator only.	<u>WATERSHED</u> Indicator only.	<u>RECREATION</u> Indicator only - Use commercial angling opportunity classes.	<u>AGRICULTURE</u> Indicator only.
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STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: \$ value of Aquatic Ecotourism	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
INDICATOR: \$ value of Aquatic Ecotourism	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic

VALUE/ISSUE: Commercial Recreation - Heli-Skiing / Heli-Hiking Guides **MGMT INTENT:** Maintain or enhance commercial Heli-Skiing / Heli-Hiking opportunities.

<u>BASECASE</u> Indicator only.	<u>FOREST PRODUCTIVITY</u> Indicator only.	<u>WILDLIFE</u> Indicator only.	<u>ECOSYSTEM</u> Indicator only.	<u>BIODIVERSITY</u> Indicator only.	<u>WATERSHED</u> Indicator only.	<u>RECREATION</u> Potential Heli-Skiing / Heli-Hiking Area Criteria: AT and (AF with CC <= 20%) > 1000 m from all road classes. Resultant polygons have to be >= 1000 ha in size. No new roads within 1000 m of AT and (AF with CC <= 20%).	<u>AGRICULTURE</u> Indicator only.
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STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: \$ value of Heli-skiing and Heli-hiking.	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
INDICATOR: \$ value of Heli-skiing and Heli-hiking.	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic

Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

VALUE/ISSUE: Commercial Recreation - Hunting

MGMT INTENT: Maintain or enhance commercial hunting opportunities.

<u>BASECASE</u> Indicator only.	<u>FOREST PRODUCTIVITY</u> Indicator only.	<u>WILDLIFE</u> Indicator only.	<u>ECOSYSTEM</u> Indicator only.	<u>BIODIVERSITY</u> Indicator only.	<u>WATERSHED</u> Indicator only.	<u>RECREATION</u> Maintain the amount and proportion of existing Commercial hunting opportunity classes at all times.	<u>AGRICULTURE</u> Indicator only.
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STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: # of Guide Outfitter Quotas	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
INDICATOR: # of Guide Outfitter Quotas	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
INDICATOR: \$ value of Commercial Recreation - Hunting	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
INDICATOR: \$ value of Commercial Recreation - Hunting	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic

VALUE/ISSUE: Non - Commercial Recreation - Cross-country Skiing

MGMT INTENT:

<u>BASECASE</u> Indicator only.	<u>FOREST PRODUCTIVITY</u> Indicator only.	<u>WILDLIFE</u> Indicator only.	<u>ECOSYSTEM</u> Indicator only.	<u>BIODIVERSITY</u> Indicator only.	<u>WATERSHED</u> Indicator only.	<u>RECREATION</u> Maintain the existing amount of accessible non-commercial cross-country skiing area over time in the district	<u>AGRICULTURE</u> Indicator only.
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STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: \$ value? by NCCSO class	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
INDICATOR: \$ value? by NCCSO class	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic

Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

VALUE/ISSUE: Non - Commercial Recreation - Hunting

MGMT INTENT: Maintain a wide range of non-commercial hunting opportunities.

<u>BASECASE</u> Indicator only.	<u>FOREST PRODUCTIVITY</u> Indicator only.	<u>WILDLIFE</u> Indicator only.	<u>ECOSYSTEM</u> Indicator only.	<u>BIODIVERSITY</u> Indicator only.	<u>WATERSHED</u> Indicator only.	<u>RECREATION</u> Double the existing amount of Front Country non commercial hunting class area over time in the district.	<u>AGRICULTURE</u> Indicator only.
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STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: # of Limited Entry Hunting licences				CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: # of Limited Entry Hunting licences				CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: \$ value?		by NCHO class		CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
INDICATOR: \$ value?		by NCHO class		CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic

VALUE/ISSUE: Non - Commercial Recreation - Motorized Camping

MGMT INTENT:

<u>BASECASE</u> No Harvest within UREPS. Indicator only for all User-Defined Rec Zones.	<u>FOREST PRODUCTIVITY</u> Indicator only.	<u>WILDLIFE</u> Indicator only.	<u>ECOSYSTEM</u> Indicator only.	<u>BIODIVERSITY</u> Indicator only.	<u>WATERSHED</u> Indicator only.	<u>RECREATION</u> Maintain the existing area of motorized camping sites over time in the district	<u>AGRICULTURE</u> Indicator only.
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STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: \$ value?		within buffer zones		CONTEXT: Target	RATING: S	RATIONALE: Socio-economic
INDICATOR: \$ value?		within buffer zones		CONTEXT: Target	RATING: S	RATIONALE: Socio-economic

Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

VALUE/ISSUE: Non - Commercial Recreation - Snowmobiling

MGMT INTENT:

<u>BASECASE</u> Indicator only.	<u>FOREST PRODUCTIVITY</u> Indicator only.	<u>WILDLIFE</u> Indicator only.	<u>ECOSYSTEM</u> Indicator only.	<u>BIODIVERSITY</u> Indicator only.	<u>WATERSHED</u> Indicator only.	<u>RECREATION</u> Double the amount of accessible non commercial snowmobiling class area over time in the district.	<u>AGRICULTURE</u> Indicator only.
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STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: \$ value?	by NCSO	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
INDICATOR: \$ value?	by NCSO	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic

VALUE/ISSUE: Non - Commercial Recreation - Touring / Skiing

MGMT INTENT:

<u>BASECASE</u> Indicator only.	<u>FOREST PRODUCTIVITY</u> Indicator only.	<u>WILDLIFE</u> Indicator only.	<u>ECOSYSTEM</u> Indicator only.	<u>BIODIVERSITY</u> Indicator only.	<u>WATERSHED</u> Indicator only.	<u>RECREATION</u> Maintain the existing amount of accessible non-commercial skiing/touring area over time in the district	<u>AGRICULTURE</u> Indicator only.
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STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: \$ value?	by NCTSO class	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic
INDICATOR: \$ value?	by NCTSO class	CONTEXT: Monitor	RATING: S	RATIONALE: Socio-economic

VALUE/ISSUE: Recreational experiences are provided on the DFA

MGMT INTENT: A full range of recreation opportunities are provided on the DFA

<u>BASECASE</u>	<u>FOREST PRODUCTIVITY</u>	<u>WILDLIFE</u>	<u>ECOSYSTEM</u>	<u>BIODIVERSITY</u>	<u>WATERSHED</u>	<u>RECREATION</u>	<u>AGRICULTURE</u>
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STATIC LAYERS:

DERIVED LAYERS:

Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

INDICATOR: % of forest management commitments completed on time resulting from consultations regarding non-timber features and interests (operational) by licensee
CONTEXT: Target **RATING:** CSA-O 5.1 **RATIONALE:**

INDICATOR: Road density by road phase by recreation class by licensee
CONTEXT: Target **RATING:** CSA 5.1 **RATIONALE:**

VALUE/ISSUE: Recreational experiences are provided on the DFA. **MGMT INTENT:** A full range of recreational opportunities are provided on the DFA

BASECASE **FOREST PRODUCTIVITY** **WILDLIFE** **ECOSYSTEM** **BIODIVERSITY** **WATERSHED** **RECREATION** **AGRICULTURE**

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: % area < VEG by Recreation Class by licensee
CONTEXT: Target **RATING:** CSA 5.1 **RATIONALE:**

Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

RESOURCE: Timber

VALUE/ISSUE: A balanced supply and a variety of timber and non-timber products, services and benefits on the DFA. **MGMT INTENT:** A sustainable harvest and use of timber products, services and benefits.

BASECASE **FOREST PRODUCTIVITY** **WILDLIFE** **ECOSYSTEM** **BIODIVERSITY** **WATERSHED** **RECREATION** **AGRICULTURE**

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: % harvest volume by harvest method by licensee **CONTEXT:** Target **RATING:** CSA 5.1 **RATIONALE:**

INDICATOR: Mean Annual Increment (m3/ha/yr) by BEC by licensee **CONTEXT:** Target **RATING:** CSA 5.1 **RATIONALE:**

VALUE/ISSUE: A balanced supply and variety of timber and non-timber products, services and benefits on the DFA **MGMT INTENT:** A sustainable harvest and use of timber products, services and benefits

BASECASE **FOREST PRODUCTIVITY** **WILDLIFE** **ECOSYSTEM** **BIODIVERSITY** **WATERSHED** **RECREATION** **AGRICULTURE**

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: % Seral Stage Distribution by LU by NDT by BEC by licensee **CONTEXT:** Target **RATING:** CSA 5.1 **RATIONALE:**

VALUE/ISSUE: Backlog Brushing **MGMT INTENT:** To achieve FTG status on all current SR brush impeded backlog areas within 10 years.

BASECASE **FOREST PRODUCTIVITY** **WILDLIFE** **ECOSYSTEM** **BIODIVERSITY** **WATERSHED** **RECREATION** **AGRICULTURE**
 No treatments Treat identified stands at an even rate of 10% of the area/yr over the next 10 years. Once treated, stands will revert from brush impeded TIPSYS curves to normal TIPSYS curves. Same as Base Case Same as Base Case Same as Base Case Same as Base Case Same as Base Case All brushing to be done by livestock

STATIC LAYERS:

DERIVED LAYERS:

Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

VALUE/ISSUE: Fertilization, Late Rotation

MGMT INTENT: To account for the scope, costs and benefits of late fertilization treatments to increase productivity of existing unmanaged stands.

<u>BASECASE</u>	<u>FOREST PRODUCTIVITY</u>	<u>WILDLIFE</u>	<u>ECOSYSTEM</u>	<u>BIODIVERSITY</u>	<u>WATERSHED</u>	<u>RECREATION</u>	<u>AGRICULTURE</u>
Indicator only.	Apply current BC Regs regarding Fertilizer application and fertilize all stands in the THLB 20 years prior to harvest that meet the following criteria: Fertilization Priorities: Stand densities relate to any existing stand or commercially thinned stands. 1. 400 - 1000/ha on Poor sites. 2. 400 - 1000/ha on Medium sites.	Same as Base Case	Same as Base Case	Same as Base Case	Same as Base Case	Same as Base Case	Same as Base Case

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: Jobs	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic, can be generated from Area fertilized and jobs/ha table
INDICATOR: Jobs	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic, can be generated from Area fertilized and jobs/ha table

VALUE/ISSUE: Fertilization, Repeat

MGMT INTENT: Base Case: Indicator only Forest productivity scenario: Refer to EFMP Intensive Silviculture Report

<u>BASECASE</u>	<u>FOREST PRODUCTIVITY</u>	<u>WILDLIFE</u>	<u>ECOSYSTEM</u>	<u>BIODIVERSITY</u>	<u>WATERSHED</u>	<u>RECREATION</u>	<u>AGRICULTURE</u>
Indicator only.	Fertilize with appropriate mix, first at 20 years, then every 20 years to a maximum of 4 treatments.	Same as Base Case.	Same as Base Case.	Same as Base Case.	Same as Base Case.	Same as Base Case.	Same as Base Case.

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: Jobs	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Jobs	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic

Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

VALUE/ISSUE: Incremental Spacing

MGMT INTENT: To provide for a wide range of forest products, including high quality grades.

<u>BASECASE</u>	<u>FOREST PRODUCTIVITY</u>	<u>WILDLIFE</u>	<u>ECOSYSTEM</u>	<u>BIODIVERSITY</u>	<u>WATERSHED</u>	<u>RECREATION</u>	<u>AGRICULTURE</u>
No special practices.	Criteria for Incremental Spacing: 1. Proximity to mills - plantations within 35 km of Houston. 2. Good then medium Space 100ha/yr of GI pine leading stands on good sites when the trees reach a top height of 5.5 m. Target density of 900 sph. Space 500 ha/yr of GI pine leading stands on medium sites when the trees reach a top height of 5.5 m. Target density of 1000-1800 sph. Once treated, stands will revert from pre-spacing TIPSU curves to post-spacing TIPSU curves.	No special practices.	No special practices.	No special practices.	No special practices.	No special practices.	No special practices.

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: Jobs	CONTEXT: Monitor	RATING: S	RATIONALE: socio-economic
INDICATOR: Jobs	CONTEXT: Monitor	RATING: S	RATIONALE: socio-economic

VALUE/ISSUE: Logging Contractor Stability

MGMT INTENT: Logging contracts in the Morice District need to be Evergreen. There needs to be guaranteed volume flow to your logging operation.

<u>BASECASE</u>	<u>FOREST PRODUCTIVITY</u>	<u>WILDLIFE</u>	<u>ECOSYSTEM</u>	<u>BIODIVERSITY</u>	<u>WATERSHED</u>	<u>RECREATION</u>	<u>AGRICULTURE</u>
Indicator only.	Indicator only.	Indicator only.	Indicator only.	Indicator only.	Indicator only.	Indicator only.	Indicator only.

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: # of operating days	by equipment type	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
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Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

INDICATOR: # of operating days	by equipment type	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: \$ Gross revenue		CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: \$ Gross revenue		CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Cost	Capital Expenditures	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Cost	Capital Expenditures	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Cost	Fuel	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Cost	Fuel	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Cost	Hauling	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Cost	Hauling	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Cost	Repair & Maintenance	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Cost	Repair & Maintenance	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Cost	Wages	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Cost	Wages	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Jobs (full-time)		CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Jobs (full-time)		CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic

Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

VALUE/ISSUE: Problem Forest Type Rehab, Low Volume

MGMT INTENT: To increase the area of the THLB through rehabilitation of low volume stands too old to fill plant yet could have higher actual SI values than indicated by the inventory.

<u>BASECASE</u>	<u>FOREST PRODUCTIVITY</u>	<u>WILDLIFE</u>	<u>ECOSYSTEM</u>	<u>BIODIVERSITY</u>	<u>WATERSHED</u>	<u>RECREATION</u>	<u>AGRICULTURE</u>
Netted out of THLB	Site prep and plant selected sites to target densities at a rate of 300 ha/yr. Once treated, stands will revert from low volume VDYP curves to normal TIPSYP curves and contribute to the THLB. Treatment Priority Criteria: 1) Intensive Timber Management Zone; 1a) Highest SI first; 2) All other zones; 2a) Highest SI first.	Netted out of THLB	Netted out of THLB	Netted out of THLB	Netted out of THLB	Netted out of THLB	Netted out of THLB

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: Jobs	by method (site prep, plant)	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Jobs	by method (site prep, plant)	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic

VALUE/ISSUE: Pruning

MGMT INTENT: To provide for a wide range of forest products, including high quality grades.

<u>BASECASE</u>	<u>FOREST PRODUCTIVITY</u>	<u>WILDLIFE</u>	<u>ECOSYSTEM</u>	<u>BIODIVERSITY</u>	<u>WATERSHED</u>	<u>RECREATION</u>	<u>AGRICULTURE</u>
Indicator only.	On juvenile spaced, good site, pine -leading stands only. Pruning Lift 1: Prune to 3 m @ a stand height of 7 m. Lift 2: Prune to 6 m @ a stand height of 14 m. Rate to be determined through the learning scenario.	Same as Base Case	Same as Base Case	Same as Base Case	Same as Base Case	Same as Base Case	Same as Base Case

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: Jobs	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
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Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

INDICATOR: Jobs

CONTEXT: Monitor

RATING: S

RATIONALE: Assess under socio-economic

VALUE/ISSUE: Revenue to the Crown

MGMT INTENT: To demonstrate economic benefit to the Province of BC through the implementation of this SFM Plan.

<u>BASECASE</u> Indicator only.	<u>FOREST PRODUCTIVITY</u> Indicator only.	<u>WILDLIFE</u> Indicator only.	<u>ECOSYSTEM</u> Indicator only.	<u>BIODIVERSITY</u> Indicator only.	<u>WATERSHED</u> Indicator only.	<u>RECREATION</u> Indicator only.	<u>AGRICULTURE</u> Indicator only.
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STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: \$ (/m3)	by species	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
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INDICATOR: \$ (/m3)	by species	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
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INDICATOR: \$ (Total) collected annually	by TSA	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
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INDICATOR: \$ (Total) collected annually	by TSA	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
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VALUE/ISSUE: Site Preparation

MGMT INTENT: To account for the scope, costs and benefits of basic silviculture requirements related site preparation treatments for the achievement of FTG status across all managed stands.

<u>BASECASE</u> Based on site level attributes, apply site preparation treatments by method post harvest. If required, TIPS growth and yield functions may be adjusted to reflect effects of treatments by method.	<u>FOREST PRODUCTIVITY</u> Need a matrix of costs and response by site preparation method.	<u>WILDLIFE</u> Based on base case analysis, different site preparation treatments may be applied to enhance wildlife habitat in certain areas.	<u>ECOSYSTEM</u> Based on base case analysis, different site preparation treatments may be applied to enhance ecosystems in certain areas.	<u>BIODIVERSITY</u> Same as Ecosystem Management	<u>WATERSHED</u> Based on base case analysis, different site preparation treatments may be applied to enhance values in certain areas.	<u>RECREATION</u> Same as Watershed	<u>AGRICULTURE</u> Same as Watershed
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STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: Jobs	by method	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
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Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

INDICATOR: Jobs by method CONTEXT: Monitor RATING: S RATIONALE: Assess under socio-economic

VALUE/ISSUE: Stability of Available Timber Supply

MGMT INTENT: There needs to be stability in the types of timber (consistent timber profiles) that are available to logging contractors. This has a direct impact on equipment purchases, worker training, health & safety, environmental impact. Cross Reference to Reso

<u>BASECASE</u> Indicator only	<u>FOREST PRODUCTIVITY</u> Indicator only	<u>WILDLIFE</u> Indicator only	<u>ECOSYSTEM</u> Indicator only	<u>BIODIVERSITY</u> Indicator only	<u>WATERSHED</u> Indicator only	<u>RECREATION</u> Indicator only	<u>AGRICULTURE</u> Indicator only
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STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: Volume (m3) of timber exported from the TSA by species CONTEXT: Monitor RATING: S RATIONALE: Assess under socio-economic

INDICATOR: Volume (m3) of timber exported from the TSA by species CONTEXT: Monitor RATING: S RATIONALE: Assess under socio-economic

INDICATOR: Volume (m3) of timber imported into the TSA by species CONTEXT: Monitor RATING: S RATIONALE: Assess under socio-economic

INDICATOR: Volume (m3) of timber imported into the TSA by species CONTEXT: Monitor RATING: S RATIONALE: Assess under socio-economic

INDICATOR: Volume (m3) of timber processed in the TSA by species CONTEXT: Monitor RATING: S RATIONALE: Assess under socio-economic

INDICATOR: Volume (m3) of timber processed in the TSA by species CONTEXT: Monitor RATING: S RATIONALE: Assess under socio-economic

Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

VALUE/ISSUE: Stem Rust

MGMT INTENT: Rehabilitate existing stands severely impacted by stem rusts and apply special treatments to reduce the susceptibility of future stands.

<u>BASECASE</u>	<u>FOREST PRODUCTIVITY</u>	<u>WILDLIFE</u>	<u>ECOSYSTEM</u>	<u>BIODIVERSITY</u>	<u>WATERSHED</u>	<u>RECREATION</u>	<u>AGRICULTURE</u>
Add 5% to OAF 1 as per regeneration assumptions.	Existing Managed: Based on silviculture survey records identify stands that have become NSR due to hard pine rusts (blister rust, western gall rust). Rehabilitate these stands using site preparation and planting at a rate of 250 ha/yr. Once treated, stands will revert from stem rust impeded TIPSYS curves to normal TIPSYS curves. Future Managed: Based on stem rust hazard rating criteria, plant high hazard PI sites with 60 PI 40 Sx where Sx is also suitable at an expected rate of 4,000 ha/yr. In high hazard areas where Sx is not ecologically suitable, plant pine to higher densities (???? Sph) to offset anticipated losses from rusts at an expected rate of 100 ha/yr. (If hazard rating criteria cannot be determined then use the following: if pine composition is >= 80% add 5% to OAF 1 as per regeneration assumptions)	Same as Base Case	Same as Base Case	Same as Base Case	Same as Base Case	Same as Base Case	Same as Base Case

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: Jobs	planting, high density planting, site prep	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Jobs	planting, high density planting, site prep	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic

Morice and Lakes IFPA Resource Values (Socio-Economic) - Morice TSA

VALUE/ISSUE: Vegetation Management (maintain Base Case)

MGMT INTENT: To account for the scope, costs and benefits of basic silviculture requirements related to vegetation management treatments for the achievement of FTG status across all managed stands.

<u>BASECASE</u>	<u>FOREST PRODUCTIVITY</u>	<u>WILDLIFE</u>	<u>ECOSYSTEM</u>	<u>BIODIVERSITY</u>	<u>WATERSHED</u>	<u>RECREATION</u>	<u>AGRICULTURE</u>
As per TSR.	Based on brush hazard ratings, apply treatments by method (e.g. manual, chemical) based on stand attribute parameters (e.g. specified age or height). Once treated, stands revert from brush impeded TIPSY curves to normal (base case) TIPSY curves.	Refer to species-specific strategies.	Refer to results of Forest Succession Workshop.	Same as Base Case	No Treatment.	Same as Base Case	Same as Forest Productivity

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: Jobs	by method	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: Jobs	by method	CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic

VALUE/ISSUE: Wastewood Utilization

MGMT INTENT: To provide an opportunity to replace Beehive Burners with a local Co-Generation facility.

<u>BASECASE</u>	<u>FOREST PRODUCTIVITY</u>	<u>WILDLIFE</u>	<u>ECOSYSTEM</u>	<u>BIODIVERSITY</u>	<u>WATERSHED</u>	<u>RECREATION</u>	<u>AGRICULTURE</u>
Indicator only	Indicator only	Indicator only	Indicator only	Indicator only	Indicator only	Indicator only	Indicator only

STATIC LAYERS:

DERIVED LAYERS:

INDICATOR: \$ revenue (potential) generated by cogeneration facility		CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: \$ revenue (potential) generated by cogeneration facility		CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: tonnes of wastewood and waste bark volume		CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic
INDICATOR: tonnes of wastewood and waste bark volume		CONTEXT: Monitor	RATING: S	RATIONALE: Assess under socio-economic