

**BC Timber Sales
Kamloops Business Area
100 Mile House Field Unit**



**100 MILE HOUSE TSA 2006
FOREST STEWARDSHIP PLAN**

Effective Date: March 31, 2007

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Date:

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DEFINITIONS AND INTERPRETATION

1.1 Definitions in this FSP

“**BCTS Agreement Holder**” means the holder of a Timber Sale License or Road Permit granted by the TSM to which this FSP applies;

“**Effective Date**” means the date the Term of this FSP begins;

“**FDU**” means the 12 forest development units identified under this FSP;

“**FPPR**” means the Forest Planning and Practices Regulation, consolidated to December 31, 2004;

“**FRPA**” means the *Forest and Range Practices Act*, SBC 2002, c. 69, as amended from time to time;

“**FSP**” means this Forest Stewardship Plan;

“**CCLUP**” means the Cariboo-Chilcotin Land Use Plan approved by the government in 1995 and as amended from time to time;

“**Term**” means the period specified in Paragraph 1.4;

“**TSM**” means the Timber Sales Manager for the BC Timber Sales Kamloops Business Area;

“**Wildlife Tree Patches**” means an area occupied by a group of trees with special characteristics that provide valuable habitat for the conservation and enhancement of wildlife.

1.2 Definitions under Enactments

Unless otherwise expressly indicated, or indicated by context, terms used in this FSP have the definition given them, as of the Submission Date, in the FRPA and the *Forest Act* and the regulations under them.

SUBMISSION, TERM AND EFFECTIVE DATE OF THIS FSP

1.3 Submission

This FSP is submitted by the Kamloops business area Timber Sales Manager.

1.4 Term

The Term of this FSP is 5 years beginning on the Effective Date.

1.5 Effective Date

The Timber Sales Manager requests that the Delegated Decision Maker (DDM) make approval of this FSP effective on March 31, 2007.

APPLICATION OF THIS FSP

Subject to exceptions under the FRPA, this FSP applies to each of the following located within an identified FDU:

- timber sale licenses advertised or entered into by the TSM on or after the effective date,
- road permits granted by the TSM on or after the effective date and
- access roads constructed by the TSM on or after the effective date to areas to be harvested under a timber sale license.

The application of individual results and strategies is intended to be either an outcome of a forest practice, or to be something considered during the planning process when developing timber harvesting or road construction plans, respectively. Rather than repeating this in each result or strategy, the reader is encouraged to understand that this notion is implicit given the nature of the FSP.

Stocking standards will apply to individual stands, as per the FPPR s.44(1), as opposed to collectively across cutblocks.

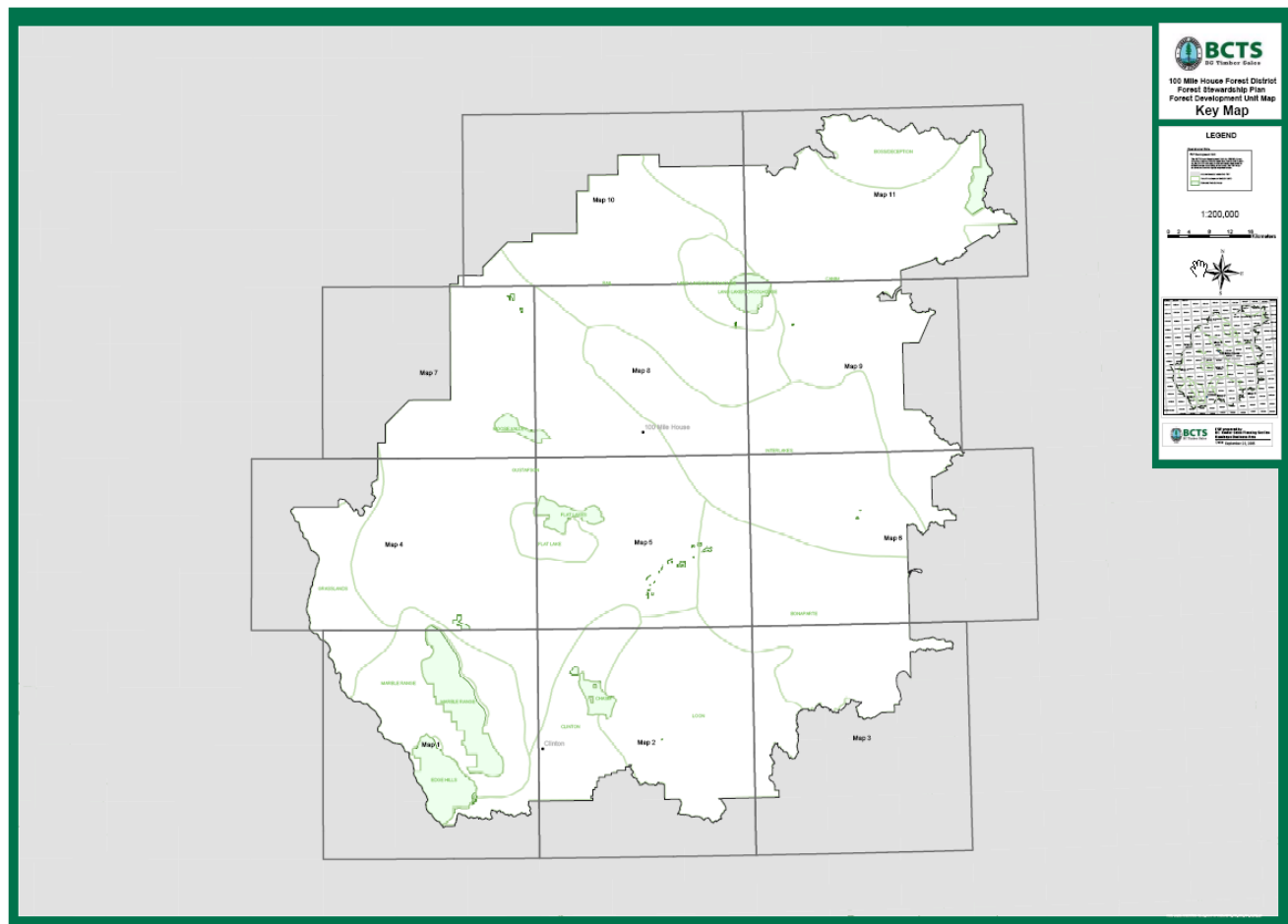
FOREST DEVELOPMENT UNITS

A total of 12 FDUs have been identified in this FSP which incorporate the majority of the 100 Mile House Timber Supply Area (TSA) and correspond to polygons or subunits as defined in the Cariboo-Chilcotin Land Use Plan (CCLUP).

Table 1. Forest Development Units for the BCTS 100 Mile House TSA Forest Stewardship Plan.

CCLUP polygon	FDU #	FDU Name
E8 Canim ERDZ ¹	1	Canim
E9 Rail ERDZ	2	Rail
E10 Gustafson ERDZ	3	Gustafson
E11 Loon ERDZ	4	Loon
E12 Bonaparte ERDZ	5	Bonaparte
I-F Grasslands IRMZ ²	6	Grasslands
I-G Clinton IRMZ	7	Clinton
A Boss/Deception SRDZ ³	8	Boss/Deception
D Flat Lake SRDZ	9	Flat Lake
E Interlakes SRDZ	10	Interlakes
G Lang Lake/Schoolhouse SRDZ	11	Lang Lake/Schoolhouse
I Marble Range SRDZ	12	Marble Range

¹ Enhanced Resource Development Zone, ² Integrated Resource Management Zone, ³ Special Resource Development Zone

Figure 1. Forest Development Units for the BCTS 100 Mile House TSA Forest Stewardship Plan.

1.6 Items Identified in the FDU

The Forest Stewardship Plan identifies the following items that were in effect on the Submission Date as per section 14(2) and (3) of the FPPR:

- Ungulate winter range areas, wildlife habitat areas, fisheries sensitive watersheds, lakeshore management zones, scenic areas, L1 lakes, community watersheds, old growth management areas, and areas where commercial timber harvesting is prohibited by an enactment.
- The areas within the FDU that are subject to a timber sale license, or a road permit granted by the TSM.

Table 2. Road Permits in Effect on the Submission Date.

Road Permit Number	Road Permit Number	Road Permit Number
R06326	R13850	R14670
R09782	R14181	R14679
R10863	R14236	R14680
R11794	R14386	R14803
R12722	R14410	R14993
R12726	R14485	R15054
R12760	R14542	R15055
R13313	R14559	R15155
R13368	R14595	R13729
R13397	R14647	
R13503		

- FRPA 196(1) and 196(2) cutblocks (no TSL issued);

Table 3. FRPA Section 196(1) cutblocks.

Unit	Unit	Unit	Unit	Unit
90	134	154	159	231
253	293	294	301	308
309	323	336	344-1	344-2
406	409	414	415	416
449	500	501	502	523
832	836	844	847	858
859	960	880	882	893
901	902	903	904	906
907	908	909	910	911
924	925	926	927	928
929	930	931	932	933
934	935	937	938	939
940	941	942	943	944
945	946	947	948	
CP/BK: 260-1	CP/BK: 609-1	CP/BK: 609-2		

All proposed roads providing access to the FRPA section 196(1) blocks listed above are considered FRPA section 196(1) roads.

Table 4. FRPA Section 196(2) cutblocks.

Unit	UNIT	Unit	Unit	Unit
63	72	73	76	147
153	228	238	270	271
274	311	333	349	364
365	366	367	370A	370B
375	376	378	379	380
381	382	384	385	386
387	388	389	390	391
392	393	394	396	397

399	400	401	403	404
405	411	413	417	504
830	834	841	845	846
848	851	855	876	885
886	905	918	919	920
921	922	CP/BK: 320-1	CP/BK: 322-3	CP/BK: 322-4
CP/BK: 322-5	CP/BK: 322-6	CP/BK: 322-7	CP/BK: 322-8	CP/BK: 322-9
CP/BK: 328-4	CP/BK: 328-5	CP/BK: 328-6	CP/BK: 328-7	CP/BK: 328-8
CP/BK: 352-3	CP/BK: 352-4	CP/BK: 352-5	CP/BK: 376-6	CP/BK: 376-7
CP/BK: 376-8	CP/BK: 376-9	CP/BK: 413-1	CP/BK: 413-2	CP/BK: 413-3
CP/BK: 413-4	CP/BK: 413-5	CP/BK: 413-6	CP/BK: 418-1	CP/BK: 418-2
CP/BK: 434-1	CP/BK: 434-2	CP/BK: 613-1	CP/BK: 613-2	CP/BK: 613-3

All proposed roads providing access to the FRPA section 196(2) blocks listed above are considered FRPA section 196(2) roads.

100 MILE HOUSE TSA RESULTS OR STRATEGIES

1.7 Incorporation of CCLUP Objectives into the FSP

The Cariboo-Chilcotin Land Use Plan was written in a way whereby objectives are intertwined with statements, comments, and other text. Included are various levels of objectives, some applying to certain agencies, some applying to licensees, and some applying to other parties or processes. This Forest Stewardship Plan only includes objectives which are tangibly affected by the TSM through his forest practice. Some CCLUP objectives have not been addressed in this plan due to one or more of the following:

- It is not the responsibility of the TSM to implement the objective;
- It is the responsibility of a government agency to implement the objective; or
- The objective has already been implemented since the CCLUP 90 Day Report was published in 1995.

1.8 Soil Management and Conservation Objective

#	FDU	Objective	Source
1	All	The objective set by government for soils, is without unduly reducing the supply of timber from British Columbia's forests, to conserve the productivity and the hydrologic function of soils.	FPPR section 5
Result or Strategy			
The TSM will adhere to the practice requirements as outlined in the FPPR sections 35 and 36.			

1.9 Water Objectives

1.9.1 Community Watersheds

#	FDU	Objective	Source
2	Clinton, Gustafson, Marble Range	<p>The objective set by government for water being diverted for human consumption through a licensed waterworks in a community watershed, without unduly reducing the supply of timber from British Columbia's forests, is to prevent the cumulative hydrological effects of forest practices within the community watershed from resulting in:</p> <ul style="list-style-type: none"> • a material adverse impact on the quantity of water of the timing of the flow of the water from the waterworks, or • the water from the waterworks having a material adverse impact on human health that cannot be addressed by water treatment required under <ul style="list-style-type: none"> • an enactment, or • the license pertaining to the waterworks. 	FPPR section 8.2
Result or Strategy <p>The TSM will adhere to the Practice Requirements as outlined in the FPPR Sections 59 to 62.</p>			

#	FDU	Objective	Source
3	Clinton, Gustafson, Marble Range	To maintain community watershed values over the Clinton Creek community watershed.	CCLUP (p.179) (SRDZ Strategy)
Result or Strategy <p>If the TSM carries out or authorizes forest practices in the Clinton Creek watershed, the TSM will apply the results and strategies listed for objective 2.</p>			

1.9.2 General Water Resources

#	FDU	Objective	Source
4	All	As required under the FPC when disturbance levels exceed 25% and in key watersheds, a watershed assessment should be undertaken to ensure the maintenance of critical fish and wildlife habitats and hydrological stability.	CCLUP (p.160) (Fish and Wildlife and Biodiversity Conservation Strategy)

Result or Strategy

- Maintain a library of pertinent watershed assessments.
- Utilize a qualified professional to advise as to the appropriate level of assessment that may be required within the watershed.
- Complete an assessment if required.
- Refer to pertinent watershed assessments for guidance on forest practices, and restoration if required.

#	FDU	Objective	Source
5	Boss/ Deception	Manage the Horsefly River watershed for hydrologic stability through watershed assessment, restoration work and monitoring programs.	CCLUP (p.61)

Result or Strategy

- Maintain a library of pertinent watershed assessments.
- Utilize a qualified professional to advise as to the appropriate level of assessment that may be required within the watershed.
- Complete an assessment if required.
- Refer to pertinent watershed assessments for guidance on forest practices, and restoration if required.

#	FDU	Objective	Source
6	Interlakes	To manage the Bridge Creek watershed for hydrologic stability through watershed assessment and monitoring programs.	CCLUP (p.69)

Result or Strategy

- Maintain a library of pertinent watershed assessments.
- Utilize a qualified professional to advise as to the appropriate level of assessment that may be required within the watershed.
- Complete an assessment if required.
- Refer to pertinent watershed assessments for guidance on forest practices, and restoration if required.

#	FDU	Objective	Source
7	Clinton; Loon	To manage the Bonaparte River watershed for hydrologic stability through watershed assessment and monitoring programs.	CCLUP (p.105); (p.127)
Result or Strategy <ul style="list-style-type: none"> • Maintain a library of pertinent watershed assessments. • Utilize a qualified professional to advise as to the appropriate level of assessment that may be required within the watershed. • Complete an assessment if required. • Refer to pertinent watershed assessments for guidance on forest practices, and restoration if required. 			

#	FDU	Objective	Source
8	Boss/Deception; Flat Lake; Interlakes; Lang Lake/ Schoolhouse; Marble Range	Development within watersheds or portions of watersheds in the SRDZ should be consistent with the watershed assessment prescriptions of the FPC designed to avoid detrimental cumulative impacts. Complete watershed assessments for high priority fisheries watersheds in the SRDZ, notably the Horsefly and Bonaparte.	CCLUP (p.179-180) (SRDZ Strategy)
Result or Strategy <ul style="list-style-type: none"> • The TSM will refer to pertinent watershed assessments for guidance on primary forest activities. • The TSM will apply the results or strategies for objectives 4, 5 and 6. 			

1.10 Riparian Management Objectives

1.10.1 Riparian

#	FDU	Objective	Source
9	All	The objective set by government for water, fish, wildlife and biodiversity within riparian areas is, without duly reducing the supply of timber from British Columbia's forests, to conserve, at the landscape level, the water quality, fish habitat, wildlife habitat and biodiversity associated with those riparian areas.	FPPR section 8

Result or Strategy

- The TSM will comply with the practice requirements pertaining to riparian areas as outlined in FPPR sections 47 to 53 with the exception of 49(2) and 52(1), as those provisions were on the Date of Submission.
- The TSM will apply a minimum 10m riparian reserve zone on L1-B lakes.
- In order to address FPPR section 12(3), the TSM will apply the results outlined in table 5. Retention levels will be determined by forest professionals in site specific plans, and will consider but not be limited to species composition, forest health factors, windthrow risk, and visual concerns.

Table 5. Riparian Management Results.

Riparian Class	Windthrow Hazard	RMZ width	Retention Range in RMZ, % of basal area*
S1-A	All	As per legislation	>25
S1-B, S2, S3, unclassified L1, W1, W5	Moderate or high	As per legislation	>25
	Low	As per legislation	0-50
S4, unclassified L3, W3	Moderate or high	As per legislation	0-20
	Low	As per legislation	0-50
S5, S6	All	As per legislation	0-30
Classified L1 and forest management class A	All	200m	Sufficient retention to achieve a visually altered forest landscape of <i>preservation</i> .
Classified L3 and forest management class A		30m	
Classified L1 and forest management class B	All	200m	Sufficient retention to achieve a visually altered forest landscape of <i>retention</i> .
Classified L3 and forest management class B		30m	
Classified L1 and forest management class C	All	200m	Sufficient retention to achieve a visually altered forest landscape of <i>partial retention</i> .
Classified L3 and forest management class C		30m	
Classified L1 and forest management class D	All	200m	Sufficient retention to achieve a visually altered forest landscape of <i>modification</i> .
Classified L3 and forest management class D		30m	

Classified L1 and forest management class E	All	200m	Sufficient retention to achieve a visually altered forest landscape of <i>maximum modification</i> .
Classified L3 and forest management class E		30m	

*Basal area includes layers 1, 2, and 3 conifer and deciduous species. For streams, it will be measured as the portion of the riparian management area that is within the area of the block.

#	FDU	Objective	Source
10	All	To maintain riparian habitats through the establishment of riparian management zones on all streams, lakes and wetlands as specified under the Forest Practices Code and Riparian Guidelines.	CCLUP (p.60-133)
Result or Strategy <ul style="list-style-type: none"> The TSM will carry out or authorize forest practices in accordance with objective 9. 			

#	FDU	Objective	Source
11	Boss/ Deception; Lang Lk/ Schoolhouse; Rail	To manage for moose, furbearer, species at risk and other sensitive habitats within the areas identified as riparian buffers, recreation areas, mule deer winter range and lakeshore management zones and throughout the polygon under the biodiversity strategy.	CCLUP(p.61, 73 & 123)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results or strategies for objectives 9, 23, 31, 53, 54, 55, 56, 58, 62, 63 and 65. Professionals preparing site specific plans for cutblocks and roads on behalf of the TSM will be instructed to consider Identified Wildlife Management Strategy (IWMS) measures for individual species, and any other current information available from the Minister responsible for wildlife, as best information. The TSM will carry out or authorize forest practices in lakeshore management zones surrounding classified lakes in accordance with Table 5. 			

#	FDU	Objective	Source
12	Flat Lake	To manage for grizzly bear, moose, furbearer, species at risk and other sensitive habitats within the areas identified as riparian buffers , recreation areas and lakeshore management zones and throughout the polygon under the biodiversity strategy.	CCLUP(p.67)

Result or Strategy

- The TSM will apply the results or strategies for objectives 9, 23, 31, 58, 62, 63 and 65.
- Professionals preparing site specific plans for cutblocks and roads on behalf of the TSM will be instructed to consider Identified Wildlife Management Strategy (IWMS) measures for individual species as best information. Where a notice has been given under FPPR section 7, the IWMS measures will be applied.
- The TSM will carry out or authorize forest practices in lakeshore management zones surrounding classified lakes in accordance with Table 5.

#	FDU	Objective	Source
13	Interlakes; Grasslands; Clinton; Gustafson; Loon; Bonaparte	To manage for grizzly bear, moose, furbearer, species at risk and other sensitive habitats within the areas identified as riparian buffers , recreation areas, mule deer winter range and lakeshore management zones and throughout the polygon under the biodiversity strategy.	CCLUP (p.69, 103, 105, 125, 127 & 129)

Result or Strategy

- The TSM will apply the results or strategies for objectives 9, 23, 31, 45, 62, 63 and 65.
- Professionals preparing site specific plans for cutblocks and roads on behalf of the TSM will be instructed to consider Identified Wildlife Management Strategy (IWMS) measures for individual species as best information. Where a notice has been given under FPPR section 7, the IWMS measures will be applied.
- The TSM will carry out or authorize forest practices in lakeshore management zones surrounding classified lakes in accordance with Table 5.

#	FDU	Objective	Source
14	Marble Range	To manage for bighorn sheep, moose, furbearer, species at risk and other sensitive habitats within the areas identified as riparian buffers , recreation areas, mule deer winter range and lakeshore management zones and throughout the polygon under the biodiversity strategy.	CCLUP (p.77)

Result or Strategy

- The TSM will apply the results or strategies for objectives 9, 23, 31, 45, 62, 63 and 64.
- Professionals preparing site specific plans for cutblocks and roads on behalf of the TSM will be instructed to consider Identified Wildlife Management Strategy (IWMS) measures for individual species as best information. Where a notice has been given under FPPR section 7, the IWMS measures will be applied.
- The TSM will carry out or authorize forest practices in lakeshore management zones surrounding classified lakes in accordance with Table 5.

#	FDU	Objective	Source
15	Canim	To manage for grizzly bear, moose, furbearer, species at risk and other sensitive habitats within the areas identified as riparian buffers , recreation areas, caribou habitat, mule deer winter range and lakeshore management zones and throughout the polygon under the biodiversity strategy.	CCLUP (p.73, p.123)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results or strategies for objectives 9, 23, 31, 45, 53, 54, 55, 58, 62, 63 and 65. Professionals preparing site specific plans for cutblocks and roads on behalf of the TSM will be instructed to consider Identified Wildlife Management Strategy (IWMS) measures for individual species as best information. Where a notice has been given under FPPR section 7, the IWMS measures will be applied. The TSM will carry out or authorize forest practices in lakeshore management zones surrounding classified lakes in accordance with Table 5. 			

#	FDU	Objective	Source
16	All	Targets for other important values specified above will be established within these landscape Units and will be based on the Wildlife Habitat, Biodiversity Conservation and Riparian Guidelines . Application of these guidelines in all zones and polygons is required.	CCLUP (p.153) (Biodiversity Conservation Strategy)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results or strategies for objective 9. 			

#	FDU	Objective	Source
17	All	Road crossings of wetlands and riparian areas should be as limited as possible, to manage for moose.	CCLUP (p.155-156) (Moose)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results or strategies for objective 9. Road crossings of wetlands will be limited to cases where it is the only practicable option. 			

#	FDU	Objective	Source
18	All	Management of critical habitat through the FPC and Riparian and Biodiversity Guidelines including the designation of Sensitive Areas or Wildlife Habitat Areas. Safeguarding riparian habitats is of particular importance, in grasslands of all subzones.	CCLUP (p.158) (Grasslands Strategy)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results or strategies for objective 9. 			

#	FDU	Objective	Source
19	Canim; Rail; Gustafson; Loon; Bonaparte	It is extremely important for moose, furbearers, waterfowl and many other wetland and forest dependent species; application of FPC guidelines is required to conserve these values in the ERDZ.	CCLUP (p.162) (Enhanced Development Zone Strategy)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results or strategies for objective 9. 			

#	FDU	Objective	Source
20	Grasslands; Clinton	Within the context of the Land Use Plan and the resource targets the following is of particular importance in the IRMZ: <ul style="list-style-type: none"> Application of the FPC and relevant guidelines including Biodiversity, Riparian, and Wildlife Habitat 	CCLUP (p.163) (Integrated Management Zone Strategy)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results or strategies for objective 9. 			

#	FDU	Objective	Source
21	All	Protect streamside and riparian areas by providing adequate buffer zones and through riparian management (DFO strategy). Avoid irreversible man made changes to fish producing habitats. Maintain watershed and stream channel integrity and stability. Assess present and potential development impacts in fisheries watersheds (Watershed Assessment Procedure) and implement integrated watershed management plans (e.g. Total Resource Plans) to minimize the cumulative impacts of land use activities. Maintain and/or enhance water quality and quantity for instream uses.	CCLUP (p.168) (DFO Strategy)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results or strategies for objectives 4, 5, 6, 7 and 9. The remainder of the objective is covered elsewhere. 			

1.11 Biodiversity Objectives

1.11.1 Landscape Level Biodiversity

#	FDU	Objective	Source
22	All	The objective set by government for wildlife and biodiversity at the landscape level is, without unduly reducing the supply of timber from British Columbia's forests and to the extent practicable, to design areas on which timber harvesting is to be carried out that resemble, both spatially and temporally, the patterns of natural disturbance that occur within the landscape.	FPPR section 9
Result or Strategy <ul style="list-style-type: none"> The TSM will comply with the practice requirements as outlined in FPPR sections 64 and 65. 			

#	FDU	Objective	Source
23	All	To manage for the biodiversity seral stage targets of mature old and old set by landscape unit, as defined by the Biodiversity Conservation Strategy of CCLUP, and amended from time to time.	CCLUP (p.60-133)
Result or Strategy <ul style="list-style-type: none"> The TSM will ensure that forest practices in OGMAs is consistent with the Biodiversity Conservation Strategy and any updates. The TSM will ensure that a cutblock proposed for harvesting is consistent with the most recent seral stage assessment for the LU-NDT-BEC combination in which the cutblock exists, as allowed by the Biodiversity Conservation Strategy and any updates. The TSM will ensure that a cutblock proposed for harvesting conforms with the spatial distribution of cutblocks the LU-NDT-BEC combination in which the cutblock exists, as allowed by the Biodiversity Conservation Strategy and any updates. The TSM will assess all consistency with this objective for all cutblocks harvested in a 12 month period beginning on April 1 each year. 			

#	FDU	Objective	Source
24	All	Within LUs, manage SRDZs, ERDZs, and IRMZs in conjunction with Protected Areas, so as to maintain representational values.	CCLUP (p.61-91)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results or strategies for objective 23. 			

#	FDU	Objective	Source
25	All	To manage for grizzly bear, moose, furbearers, species at risk and other sensitive habitats within the areas identified as riparian buffers, recreation areas, caribou habitat and lakeshore management zones and throughout the polygon under the biodiversity conservation strategy.	CCLUP (p.60-133)

Result or Strategy

- For this objective, polygon is analogous to FDU.
- The TSM will apply the results or strategies for objectives 45 and 63.

#	FDU	Objective	Source
26	Boss/ Deception; Flat Lake; Interlakes; Lang Lake/ Schoolhouse; Marble Range	Implementation of a range of cutblock sizes across the landscape, employing smaller cutblocks in sensitive locations and larger blocks elsewhere to maintain biodiversity and establish acceptable levels of fragmentation. Wherever possible, cutblock shapes and patterns across the landscape should resemble those of natural openings. Minimize physical and ecological barriers to wildlife movement patterns by maintaining a variety of habitat types across the landscape, giving emphasis to the availability, integrity, and connectivity of both forest interior and riparian habitats.	CCLUP (p.179)

Result or Strategy

- The TSM will apply the results or strategies for objectives 9, 23, 29, 34, 35, 36, 37, 38, 53, 56, 57, and 66 through 78.
- The TSM will ensure that cutblocks will be designed using connectivity principles consistent with the spatial distribution of opening sizes by age class for the LU-NDT-BEC combination in which it occurs.

#	FDU	Objective	Source
27	Grasslands	To manage in conjunction with the Protected Areas to maintain or enhance key grassland habitats, as per the Grasslands Biodiversity Strategy and grazing resource strategies.	CCLUP (p.103)

Result or Strategy

- The TSM will not carry out or authorize forest practices in areas adjacent to the Fraser River: in the Bunchgrass biogeoclimatic subzones, nor in the very dry IDF subzones (IDFxm and IDFwx).
- The TSM will not construct permanent access within the RMZ of classified lakes, unless there are no feasible alternatives.
- The TSM will apply the results and strategies for objective 56.
- The TSM will minimize access structures in grassland habitats, by utilizing access options in forested areas wherever practicable.

#	FDU	Objective	Source
28	All (Grasslands)	Management of critical habitat through the FPC and Riparian and Biodiversity Guidelines. Safeguarding of riparian habitats is of particular importance.	CCLUP (p.158) (Grasslands Strategy)

Result or Strategy

- The TSM will apply the results or strategies for objective 9.
- In the Grasslands FDU, the TSM will also apply the results or strategies for objective 39.

1.11.2 Stand Level Biodiversity

#	FDU	Objective	Source
29	All	The objective set by government for wildlife and biodiversity at the stand level is, without unduly reducing the supply of timber from British Columbia's forests, to retain wildlife trees.	FPPR section 9.1

Result or Strategy

- The combined average amount of wildlife tree retention area for all cutblocks harvested under the authority of the TSM in a 12 month period beginning on April 1 each year will be a minimum of 7% of gross total cutblock area for the year.
- The TSM commits that 80% of the cutblocks greater than 5 hectares harvested in a 12 month period beginning on April 1 each year will have one or more wildlife tree retention areas associated with the cutblock.
- The TSM will not carry out or authorize timber harvesting within a wildlife tree retention area unless:
 - the trees on the net area to be reforested of the cutblock to which the wildlife tree retention area relates have developed attributes that are consistent with the following attributes: the area is greater than 80 years of age for pine leading stands; greater than 60 years of age for deciduous leading stands; or greater than 100 years of age for coniferous stands leading in species other than pine
 - there are no practicable alternatives for access other than through the wildlife tree retention area
 - one or more of the following circumstances or conditions are applicable to the wildlife tree retention area, and a qualified registered professional has determined that the post harvest stand within the wildlife tree retention area will continue to have the ability to provide suitable wildlife tree habitat: removal of one or more trees is necessary to ensure worker safety; the condition of the stand within the wildlife tree retention area represents a significant forest health risk to surrounding stands; or
 - a qualified registered professional has determined that ecological value of the wildlife tree retention area has been lost due to windfall, blow down or another disturbance, and the areas where timber harvesting is authorized or carried out are replaced with an equivalent or other suitable wildlife tree retention area.
- If the TSM carries out or authorizes timber harvesting within a wildlife tree retention area for the reasons outlined above, then the harvested wildlife tree retention area will be replaced with an equivalent or other suitable wildlife tree retention area.

	FDU	Objective	Source
30	Marble Range	Inventory and manage for rare limestone plant associations.	CCLUP (p.77)
Result or Strategy <ul style="list-style-type: none"> Professionals preparing site specific plans for cutblocks and roads on behalf of the TSM will be instructed to watch for rare limestone plant associations in the vicinity of seepage areas near bedrock in the ESSF. If encountered, one or more of the following will be undertaken: <ul style="list-style-type: none"> contact a qualified registered professional such as a vegetation ecologist or botanist; literature review of rare limestone plant association research; liaise with academics and other professionals; a field inventory of the proposed cutblocks or roads and plant associations in the vicinity; preparation by a qualified registered professional of a report with recommendations. 			

1.12 Recreation and Tourism Objectives

1.12.1 Recreation Sites and Trails

#	FDU	Objective	Source
31	All	Manage established recreation sites and trails in accordance with established objectives.	FRPA section 181
Result or Strategy <ul style="list-style-type: none"> When the TSM carries out or authorizes primary forest activities in areas adjacent to a recreation site or trail with established objectives, the TSM will ensure that the activity is designed and carried out in a manner that is consistent with the established objectives. When the TSM carries out or authorizes primary forest activities in areas within 100m of designated Recreation Sites and Trails with established objectives, the TSM will ensure that the activity is designed and carried out in a manner that is consistent with the following guidelines: <ul style="list-style-type: none"> Utilize a silviculture system of partial cutting, when stand damage from forest health factors is at least 10% of the stems per hectare; Consider the use of a silviculture system of clear cutting, when stand damage from forest health factors is greater than 40% of the stems per hectare; Utilize temporary access construction, or permanent access construction with access control implemented post-construction; Repair or mitigate physical damage to the recreation site or trail caused by road construction or harvest activities. When the TSM retains maintenance responsibility for a Forest Service Road that is the only access to an established Recreation Site or Trail, the TSM will ensure that summer access is not restricted except for temporary closures to repair or replace roads and stream crossings. 			

#	FDU	Objective	Source
32	All	Maintenance of backcountry recreation opportunities along regionally significant rivers and trails. Maintenance of backcountry recreation opportunities in a significant portion of the areas of the region that are presently in a backcountry condition, principally in the SRDZ. Maintaining environmental and backcountry values through improved access management.	CCLUP (p.10, 13)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results or strategies for objectives 31, 34 to 44, 56 and 87. 			

1.12.2 Tourism

#	FDU	Objective	Source
33	All	Forest operations in the mid and especially the back country that are tranquil settings should be conducted outside of the peak tourism season, to reduce the impact of noise.	CCLUP (p.140) (Tourism Sector Strategy)
Result or Strategy <ul style="list-style-type: none"> The TSM will gather input from potentially affected parties, including but not limited to owners of tourism operations that are lodges, resorts, licensed users of the Crown land for recreation and tourism purposes, guide outfitters, and outdoor recreationists, in regards to cutblocks and roads proposed by the TSM. Input will be gathered annually through one or more methods of a referral letter, an invitation to an open house, a public advertisement, or some other form. Input from those parties will be considered by qualified professionals, when preparing site specific plans for blocks and roads on behalf of the TSM. 			

#	FDU	Objective	Source
34	Boss/ Deception	Maintain 50% of the polygon in a backcountry condition, including: all of the area above 5000 feet, the area surrounding key wilderness lakes which will be identified by Lakes Classification planning and some trail networks connecting these areas.	CCLUP (p.60)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results or strategies for objective 33, 79, 90. The TSM will not construct permanent access within the RMZ or the LMZ of classified lakes, unless there are no practicable alternatives. Roads that are under authority of the TSM or a BCTS Licensee, and that are not required for timber harvesting or silviculture treatments, will be deactivated, or the responsibility transferred to another authority. 			

#	FDU	Objective	Source
35	Flat Lake	Maintain 20% of the area in a backcountry condition. In order to be compatible with the timber targets, this includes the riparian area surrounding the entire Flat Lake chain of lakes.	CCLUP (p.66)

Result or Strategy

- The TSM will apply the results or strategies for objectives 9 and 89.
- The TSM will not construct permanent access within the RMZ or the LMZ of classified lakes, unless there are no practicable alternatives.
- Roads that are under authority of the TSM or a BCTS Licensee, and that are not required for timber harvesting or silviculture treatments, will be deactivated, or the responsibility transferred to another authority.

#	FDU	Objective	Source
36	Interlakes	Maintain 30% of the area in a backcountry condition. In order to be compatible with timber targets, this includes the immediate surroundings of key wilderness lakes and the areas covered by mule deer winter ranges.	CCLUP (p.68)

Result or Strategy

- The TSM will apply the results and strategies for objective 56.
- The TSM will not construct permanent access within the RMZ or the LMZ of classified lakes, unless there are no practicable alternatives.
- Roads that are under authority of the TSM or a BCTS Licensee, and that are not required for timber harvesting or silviculture treatments, will be deactivated, or the responsibility transferred to another authority.

#	FDU	Objective	Source
37	Lang Lake/ Schoolhouse	Maintain 30% of the area in a backcountry condition, including the mule deer winter ranges, the area adjacent to the Protected Area and the area adjacent to Lang Lake.	CCLUP (p.72)

Result or Strategy

- The TSM will apply the results and strategies for objective 56, 92 and 94.
- Roads that are under authority of the TSM or a BCTS Licensee, and that are not required for timber harvesting or silviculture treatments, will be deactivated, or the responsibility transferred to another authority.

#	FDU	Objective	Source
38	Marble Range	Maintain 40% of the area in a backcountry condition, including the high elevation portions of the Marble Range and the area adjacent to the Fraser River.	CCLUP (p.76)
Result or Strategy <ul style="list-style-type: none"> The TSM will not carry out or authorize forest practices in areas adjacent to the Fraser River: in the Bunchgrass biogeoclimatic subzones, nor in the very dry IDF subzones (IDFxm and IDFwx). The TSM will apply the results and strategies for objective 56. The TSM will not construct permanent access within the RMZ or the LMZ of classified lakes, unless there are no practicable alternatives. Roads that are under authority of the TSM or a BCTS Licensee, and that are not required for timber harvesting or silviculture treatments, will be deactivated, or the responsibility transferred to another authority. 			

#	FDU	Objective	Source
39	Grasslands	Maintain 10% of the area in a backcountry condition, along the Chilcotin and Fraser Rivers.	CCLUP (p.102)
Result or Strategy <ul style="list-style-type: none"> The TSM will not carry out or authorize forest practices in areas adjacent to the Fraser River: in the Bunchgrass biogeoclimatic subzones, nor in the very dry IDF subzones (IDFxm and IDFwx). The TSM will apply the results and strategies for objective 56. The TSM will not construct permanent access within the RMZ or the LMZ of classified lakes, unless there are no practicable alternatives. 			

#	FDU	Objective	Source
40	Canim	Maintain 3% of the area in a backcountry condition, in the area of Big Timothy Mountain and around key lakes.	CCLUP (p.120)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results and strategies for objective 56. The TSM will not construct permanent access within the RMZ or the LMZ of classified lakes, unless there are no practicable alternatives. Roads that are under authority of the TSM or a BCTS Licensee, and that are not required for timber harvesting or silviculture treatments, will be deactivated, or the responsibility transferred to another authority. 			

#	FDU	Objective	Source
41	Rail	Maintain 3% of the area in a backcountry condition, adjacent to Lang and Timothy Lakes.	CCLUP (p.122)

Result or Strategy

- The TSM will apply the results and strategies for objective 56.
- The TSM will not construct permanent access within the RMZ or the LMZ of classified lakes, unless there are no practicable alternatives.
- Roads that are under authority of the TSM or a BCTS Licensee, and that are not required for timber harvesting or silviculture treatments, will be deactivated, or the responsibility transferred to another authority.

#	FDU	Objective	Source
42	Gustafson	Maintain 2% of the area in a backcountry condition, south of Green Lake.	CCLUP (p.124)

Result or Strategy

- The TSM will apply the results and strategies for objective 56.
- The TSM will not construct permanent access within the RMZ or the LMZ of classified lakes, unless there are no practicable alternatives.
- Roads that are under authority of the TSM or a BCTS Licensee, and that are not required for timber harvesting or silviculture treatments, will be deactivated, or the responsibility transferred to another authority.

#	FDU	Objective	Source
43	Loon	Maintain 5% of the area in a backcountry condition, adjacent to Loon and Hihium Lakes.	CCLUP (p.126)

Result or Strategy

- The TSM will apply the results and strategies for objective 56.
- The TSM will not construct permanent access within the RMZ or the LMZ of classified lakes, unless there are no practicable alternatives.
- Roads that are under authority of the TSM or a BCTS Licensee, and that are not required for timber harvesting or silviculture treatments, will be deactivated, or the responsibility transferred to another authority.

#	FDU	Objective	Source
44	Bonaparte	Maintain 4% of the area in a backcountry condition, adjacent to key lakes.	CCLUP (p.128)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results and strategies for objective 56. The TSM will not construct permanent access within the RMZ or the LMZ of classified lakes, unless there are no practicable alternatives. Roads that are under authority of the TSM or a BCTS Licensee, and that are not required for timber harvesting or silviculture treatments, will be deactivated, or the responsibility transferred to another authority. 			

1.13 Fish and Wildlife Objectives

The following section outlines general fish and wildlife objectives as well as species and area specific objectives from two sources:

- FRPA – General Objective in FPPR and related Section 7(2) Notices
- Cariboo-Chilcotin Land-Use Plan Objectives

#	FDU	Objective	Source
45	All	<p>The objective set by government for wildlife is, without unduly reducing the supply of timber from British Columbia's forests, to conserve sufficient wildlife habitat in terms of amount of area, distribution of areas and attributes of those areas, for:</p> <ul style="list-style-type: none"> a) the survival of species at risk b) the survival of regionally important wildlife c) the winter survival of specified ungulate species 	FPPR section 7
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results or strategies for objectives 9 through 30, and objectives 53 through 65. The TSM will consult with Ministry of Environment on regionally important wildlife or habitat issues. 			

1.13.1 Fish

#	FDU	Objective	Source
46	Boss/ Deception , Canim	To manage the Horsefly River watershed for salmon stocks, through riparian areas protection and controls on the rate of harvest.	CCLUP (p.61)

Result or Strategy

- The TSM will apply the results or strategies for objective 9.
- Maintain a library of pertinent watershed assessments.
- Utilize a qualified professional to advise as to the appropriate level of assessment that may be required within the watershed.
- Complete an assessment if required.
- Refer to pertinent watershed assessments for guidance on forest practices, and restoration if required.

#	FDU	Objective	Source
47	Flat Lake; Interlakes; Gustafson; Loon; Bonaparte; Marble Range; Clinton	To manage the Bonaparte River watershed for salmon stocks, through riparian areas protection and controls on the rate of harvest.	CCLUP (p.67); (p.69); (p.125); (p.127); (p.129)

Result or Strategy

- The TSM will apply the results or strategies for objective 9.
- Maintain a library of pertinent watershed assessments.
- Utilize a qualified professional to advise as to the appropriate level of assessment that may be required within the watershed.
- Complete an assessment if required.
- Refer to pertinent watershed assessments for guidance on forest practices, and restoration if required.

#	FDU	Objective	Source
48	Grasslands, Clinton, Marble Range	To manage the Fraser River mainstream and bank for salmon habitat, through the application of the Forest Practices Code.	CCLUP (p.103)

Result or Strategy

- The TSM will apply the results or strategies for objectives 9 and 39.
- Maintain a library of pertinent watershed assessments.
- Utilize a qualified professional to advise as to the appropriate level of assessment that may be required within the watershed.
- Complete an assessment if required.
- Refer to pertinent watershed assessments for guidance on forest practices, and restoration if required.

#	FDU	Objective	Source
49	Boss/Deception	To manage 7 lakes as quality lakes for wilderness fisheries, and as a priority area for Lake Management Planning.	CCLUP (p.61)

Result or Strategy

- The TSM will apply the results or strategies for objectives 34 and 67. These lakes include the following within the area of this plan:
 - McNeil Lake #4585
 - Skinny Lake #4593
 - Katherine Lake #4496
 - Deception Lake #4417
 - Goat Lake #4275

#	FDU	Objective	Source
50	Interlakes	To manage 2 lakes as quality lakes for wilderness fisheries, and as a priority area for Lake Management Planning.	CCLUP (p.69)

Result or Strategy

- The TSM will apply the results or strategies for objectives 36 and 69. These lakes include the following:
 - Apollo Lake #7540
 - Tobe Lake #9396
 - 2 unnamed lakes #9435 and #9462

#	FDU	Objective	Source
51	Lang Lake/ Schoolhouse	To manage 1 lake as a quality lake for wilderness fisheries, and as a priority area for Lake Management Planning.	CCLUP (p.73)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply results or strategies for objectives 37 and 70, for the following lake: <ul style="list-style-type: none"> Unnamed lake #5347 			

#	FDU	Objective	Source
52	Canim	To manage 10 lakes, most in the Pendleton Lakes area, as quality lakes for wilderness fisheries, and as a priority area for Lake Management Planning.	CCLUP (p.121)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results or strategies for objectives 40 and 74. These lakes include the following within the area of the plan: <ul style="list-style-type: none"> Broken Hook Lake #7771 Tommy Archie Lake #5467 Whale Lake #5691 Christopher Lake #5701 Silver Lake #5513 Cleaver Lake #4782 2 unnamed lakes #5259 and #5764 			

1.13.2 Caribou

#	FDU	Objective	Source
53	Boss/ Deception; Canim	To maintain caribou habitat as per the Quesnel Highlands caribou strategy, and to require modified harvest over an additional 15% of the Boss/Deception FDU.	CCLUP (p.61, p.121)
Result or Strategy <ul style="list-style-type: none"> The TSM will follow general wildlife measures (GWM) for established WHAs 5-115, 5-116 and 5-117, pertaining to mountain caribou management. 			

#	FDU	Objective	Source
54	Boss/Deception; Canim	The overriding objective is to maintain habitat values for mountain caribou within the Cariboo Region.	CCLUP (p.156-157) (Mountain Caribou Management Strategy)

Result or Strategy

- The TSM will apply the results or strategies for objective 53.

#	FDU	Objective	Source
55	Boss/Deception Canim	Apply the provisions of the FPC to manage lower elevation habitats including winter ranges and travel corridors as they are identified.	CCLUP (p.157) (Mountain Caribou Management Strategy)

Result or Strategy

- The TSM will apply the results or strategies for objective 53.

1.13.3 Mule Deer

#	FDU	Objective	Source
56	All	To maintain mule deer winter range values through modified harvest regimes over the approximate percentage of the forest polygon by CCLUP subzone.	CCLUP (p.60-133)

Result or Strategy

- The TSM will carry out forest practices in mule deer winter ranges as defined by ungulate winter range order U-5-003.
- The TSM will carry out forest practices in accordance with the general wildlife measures for U-5-001, U-5-002 and U-5-003 by snowpack zone.

#	FDU	Objective	Source
57	All	To maintain mule deer winter range in a condition that will support the regional population during critical winter conditions.	CCLUP (p.154-155) (Mule Deer Winter Range Strategy)

Result or Strategy

- The TSM will apply the results or strategies for objective 56.

1.13.4 Moose

#	FDU	Objective	Source
58	All except Grasslands	To manage for grizzly bear, moose , furbearers, and species at risk and other sensitive habitats within the areas identified as riparian buffers, recreation areas, caribou habitat and lakeshore management zones and throughout the FDU under the biodiversity conservation strategy.	CCLUP (p.60-133)

Result or Strategy

- The TSM will apply the results or strategies for objectives 9 and 23.

#	FDU	Objective	Source
59	All	To manage forested buffers around wetland and riparian areas.	CCLUP (p.155) (Moose)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results or strategies for objectives 9, 23, and 26. 			

#	FDU	Objective	Source
60	All	Limitations on permanent access, and deactivation of temporary roads is required to manage moose. Road crossings of wetlands and riparian areas should be as limited as possible. Additional buffering of wetlands (up to 200m) may be required adjacent to key wetlands or riparian habitats.	CCLUP (p.155) (Moose)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results or strategies for objectives 9, 23, 90, 92 and 93. The TSM will consult Ministry of Environment about strategies to achieve this objective. Roads that are under authority of the TSM or a BCTS Licensee, and that are not required for timber harvesting or silviculture treatments, will be deactivated, or the responsibility transferred to another authority. 			

#	FDU	Objective	Source
61	Canim	To manage upland habitat to provide winter habitat for moose.	CCLUP (p.155) (Moose)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results or strategies for objective 23. 			

1.13.5 Furbearers

#	FDU	Objective	Source
62	All	To manage for grizzly bear, moose, furbearers , and species at risk and other sensitive habitats within the areas identified as riparian buffers, recreation areas, caribou habitat and lakeshore management zones and throughout the FDU under the biodiversity conservation strategy.	CCLUP (p.60-133)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results or strategies for objectives 9 and 23. 			

1.13.6 Species at Risk

#	FDU	Objective	Source
63	All	To manage for species at risk and other sensitive habitats.	CCLUP (p. 60-133)
Result or Strategy <ul style="list-style-type: none"> The TSM will only carry out or authorize primary forest activities in an area occupied by a species at risk if the TSM ensures that the design of the area: <ul style="list-style-type: none"> refers to that species in the <i>Accounts and Measures for Managing Identified Wildlife</i> (2004) and/or other pertinent information for guidance during the development of strategies to conserve sufficient habitat in that area; and considers known locations of species at risk when establishing wildlife tree patches. Considers Ministry of Environment specifications, if any, regarding the total amount of habitat required for the species at risk. The TSM will apply the results and strategies for objective 45 and 56. Roads that are under authority of the TSM or a BCTS Licensee, and that are not required for timber harvesting or silviculture treatments, will be deactivated, or the responsibility transferred to another authority. 			

1.13.7 Bighorn Sheep

#	FDU	Objective	Source
64	Marble Range	To manage for bighorn sheep , moose, furbearer, species at risk and other sensitive habitats within the areas identified as riparian buffers, recreation areas, mule deer winter range and lakeshore management zones and throughout the FDU under the biodiversity conservation strategy.	CCLUP (p.77)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results and strategies for objectives 9, 23, 30 and 56. The TSM will consult Ministry of Environment's <i>Accounts and Measures for Managing Identified Wildlife</i> (2004) and/or other pertinent information for guidance. Roads that are under authority of the TSM or a BCTS Licensee, and that are not required for timber harvesting or silviculture treatments, will be deactivated, or the responsibility transferred to another authority. 			

1.13.8 Grizzly Bear

#	FDU	Objective	Source
65	Boss/Deception, Flat Lake, Interlakes, Grasslands, Clinton, Canim, Gustafson, Loon, Bonaparte	To manage for grizzly bear , moose, furbearers, and species at risk and other sensitive habitats within the areas identified as riparian buffers, recreation areas, caribou habitat and lakeshore management zones and throughout the FDU under the biodiversity conservation strategy.	CCLUP (p.60-133)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results and strategies for objectives 9, 23, 25, 90 and 91. The TSM will consult Ministry of Environment's <i>Accounts and Measures for Managing Identified Wildlife</i> (2004) and/or other pertinent information for guidance. Roads that are under authority of the TSM or a BCTS Licensee, and that are not required for timber harvesting or silviculture treatments, will be deactivated, or the responsibility transferred to another authority. 			

1.14 Visual Objectives

#	FDU	Objective	Source
66	All	<p>The objective set by government in relation to visual quality for a scenic area, that</p> <ul style="list-style-type: none"> was established on or before October 24, 2002, and for which there is no visual quality objective is to ensure that the altered forest landscape for the scenic area <ul style="list-style-type: none"> in visual sensitivity class 1 is in either the preservation or retention category, in visual sensitivity class 2 is in either the retention or partial retention category, in visual sensitivity class 3 is in either the partial retention or modification category, in visual sensitivity class 4 is in either the partial retention or modification category, in visual sensitivity class 5 is in either the modification or maximum modification category. 	FPPR section 9.2

Result or Strategy

- For the known visual landscape inventory in which visual sensitivity classes have been grandparented from the Forest Practices Code, the TSM will ensure that cutblocks and roads are consistent with the above objectives for altered forest landscapes.
- Circumstances where it may not be practicable for the TSM to achieve the objectives for altered forest landscapes, and where maximum modification will be achieved as a minimum, include the following:
 - Where requirements for safety or fire suppression are paramount.
 - Where salvage operations that contribute to control of insect or disease outbreaks is required.
 - Where the objectives for altered forest landscapes are not achievable or are already compromised, due to the existing visual condition, such as in the case of blow down.
- If the TSM plans to carry out primary forest activities in an area where objectives for altered forest landscapes are not achievable or are already compromised, visual design concepts will be used in order to help minimize further impact. This will include analysis by persons with expertise in visual landscape assessment and design, using recognized visual assessment techniques including software programs for visual impact assessment, and soliciting input from MOFR district stewardship staff on management and design options.

#	FDU	Objective	Source
67	Boss/ Deception	To maintain the visual quality in the viewshed surrounding the key wilderness lakes. To maintain the visual quality in the viewshed surrounding existing tourism operations.	CCLUP (p.60)

Result or Strategy

- The TSM will apply the results and strategies for objective 9.
- The TSM will gather input from potentially affected parties, including but not limited to owners of tourism operations that are lodges, resorts, licensed users of the Crown land for recreation and tourism purposes, guide outfitters, and outdoor recreationists, in regards to cutblocks and roads proposed by the TSM. Input will be gathered annually through one or more methods of a referral letter, an invitation to an open house, a public advertisement, or some other form.
- Professionals preparing site specific plans on behalf of the TSM will consider the above information, and visual landscape design principles.

#	FDU	Objective	Source
68	Flat Lake	To maintain the visual quality in the viewshed surrounding the chain of lakes. To maintain the visual quality in the viewshed surrounding existing tourism operations.	CCLUP (p.66)

Result or Strategy

- The TSM will apply the results and strategies for objective 9.
- The TSM will gather input from potentially affected parties, including but not limited to owners of tourism operations that are lodges, resorts, licensed users of the Crown land for recreation and tourism purposes, guide outfitters, and outdoor recreationists, in regards to cutblocks and roads proposed by the TSM. Input will be gathered annually through one or more methods of a referral letter, an invitation to an open house, a public advertisement, or some other form.
- Professionals preparing site specific plans on behalf of the TSM will consider the above information, and visual landscape design principles.

#	FDU	Objective	Source
69	Interlakes	To maintain the visual quality in the viewshed surrounding key lakes. To maintain the visual quality in the viewshed surrounding existing tourism operations.	CCLUP (p.68)

Result or Strategy

- The TSM will apply the results and strategies for objective 9.
- The TSM will gather input from potentially affected parties, including but not limited to owners of tourism operations that are lodges, resorts, licensed users of the Crown land for recreation and tourism purposes, guide outfitters, and outdoor recreationists, in regards to cutblocks and roads proposed by the TSM. Input will be gathered annually through one or more methods of a referral letter, an invitation to an open house, a public advertisement, or some other form.
- Professionals preparing site specific plans on behalf of the TSM will consider the above information, and visual landscape design principles.

#	FDU	Objective	Source
70	Lang Lake/ Schoolhouse	To maintain the visual quality in the viewshed surrounding Lang Lake. To maintain the visual quality in the viewshed surrounding existing tourism operations.	CCLUP (p.72)

Result or Strategy

- The TSM will apply the results and strategies for objective 9, for lakes with a forest management class of B.
- The TSM will gather input from potentially affected parties, including but not limited to owners of tourism operations that are lodges, resorts, licensed users of the Crown land for recreation and tourism purposes, guide outfitters, and outdoor recreationists, in regards to cutblocks and roads proposed by the TSM. Input will be gathered annually through one or more methods of a referral letter, an invitation to an open house, a public advertisement, or some other form.
- Professionals preparing site specific plans on behalf of the TSM will consider the above information, and visual landscape design principles.

#	FDU	Objective	Source
71	Marble Range	To maintain the visual quality in the low elevation portions of the Marble Range and the Fraser River valley. To maintain the visual quality in the viewshed surrounding existing tourism operations.	CCLUP (p.76)

Result or Strategy

- The TSM will apply the results and strategies for objective 39 in the low elevation portions of the Marble Range and Fraser River.
- The TSM will gather input from potentially affected parties, including but not limited to owners of tourism operations that are lodges, resorts, licensed users of the Crown land for recreation and tourism purposes, guide outfitters, and outdoor recreationists, in regards to cutblocks and roads proposed by the TSM. Input will be gathered annually through one or more methods of a referral letter, an invitation to an open house, a public advertisement, or some other form.
- Professionals preparing site specific plans on behalf of the TSM will consider the above information, and visual landscape design principles.

#	FDU	Objective	Source
72	Grasslands	Mule deer winter range management will overlap with visual quality objectives in the Grasslands FDU. To maintain the visual quality in the viewshed surrounding the highway and river corridors. To maintain the visual quality in the viewshed surrounding existing tourism operations.	CCLUP (p.102)

Result or Strategy

- The TSM will apply the results and strategies for objective 39.
- The TSM will apply the results or strategies for objective 23, and utilize asymmetrical, organic, non-geometrical openings that reflect natural openings.
- The TSM will gather input from potentially affected parties, including but not limited to owners of tourism operations that are lodges, resorts, licensed users of the Crown land for recreation and tourism purposes, guide outfitters, and outdoor recreationists, in regards to cutblocks and roads proposed by the TSM. Input will be gathered annually through one or more methods of a referral letter, an invitation to an open house, a public advertisement, or some other form.
- Professionals preparing site specific plans on behalf of the TSM will consider the above information, and visual landscape design principles.

#	FDU	Objective	Source
73	Clinton	To maintain the visual quality in the viewshed from Highway 97, the Kelly Lake road and adjacent to Protected Areas. To maintain the visual quality in the viewshed surrounding existing tourism operations, particularly in the town of Clinton.	CCLUP (p.104)

Result or Strategy

- The TSM will apply the results and strategies for objectives 56 and 57.
- The TSM will apply the results or strategies for objective 23, and utilize asymmetrical, organic, non-geometrical openings that reflect natural openings.
- The TSM will gather input from potentially affected parties, including but not limited to the community from the Village of Clinton, owners of tourism operations that are lodges, resorts, licensed users of the Crown land for recreation and tourism purposes, guide outfitters, and outdoor recreationists, in regards to cutblocks and roads proposed by the TSM. Input will be gathered annually through one or more methods of a referral letter, an invitation to an open house, a public advertisement, or some other form.
- Professionals preparing site specific plans on behalf of the TSM will consider the above information, and visual landscape design principles.

#	FDU	Objective	Source
74	Canim	To maintain the visual quality in the viewshed of key lakes. To maintain the visual quality in the viewshed surrounding existing tourism operations.	CCLUP (p.120)

Result or Strategy

- The TSM will apply the results and strategies for objective 9.
- The TSM will apply the results or strategies for objective 23, and utilize asymmetrical, organic, non-geometrical openings that reflect natural openings.
- The TSM will gather input from potentially affected parties, including but not limited to owners of tourism operations that are lodges, resorts, licensed users of the Crown land for recreation and tourism purposes, guide outfitters, and outdoor recreationists, in regards to cutblocks and roads proposed by the TSM. Input will be gathered annually through one or more methods of a referral letter, an invitation to an open house, a public advertisement, or some other form.
- Professionals preparing site specific plans on behalf of the TSM will consider the above information, and visual landscape design principles.

#	FDU	Objective	Source
75	Rail	To maintain the visual quality in the viewshed of highway corridors and key lakes. To maintain the visual quality in the viewshed surrounding existing tourism operations .	CCLUP (p.122)

Result or Strategy

- The TSM will apply the results and strategies for objective 9.
- The TSM will apply the results or strategies for objective 23, and utilize asymmetrical, organic, non-geometrical openings that reflect natural openings.
- The TSM will gather input from potentially affected parties, including but not limited to owners of tourism operations that are lodges, resorts, licensed users of the Crown land for recreation and tourism purposes, guide outfitters, and outdoor recreationists, in regards to cutblocks and roads proposed by the TSM. Input will be gathered annually through one or more methods of a referral letter, an invitation to an open house, a public advertisement, or some other form.
- Professionals preparing site specific plans on behalf of the TSM will consider the above information, and visual landscape design principles.

#	FDU	Objective	Source
76	Gustafson	To maintain the visual quality in the viewshed of highway corridors and key lakes. To maintain the visual quality in the viewshed surrounding existing tourism operations.	CCLUP (p.124)

Result or Strategy

- The TSM will apply the results and strategies for objectives 9, 56 and 57.
- The TSM will apply the results or strategies for objective 23, and utilize asymmetrical, organic, non-geometrical openings that reflect natural openings.
- The TSM will gather input from potentially affected parties, including but not limited to owners of tourism operations that are lodges, resorts, licensed users of the Crown land for recreation and tourism purposes, guide outfitters, and outdoor recreationists, in regards to cutblocks and roads proposed by the TSM. Input will be gathered annually through one or more methods of a referral letter, an invitation to an open house, a public advertisement, or some other form.
- Professionals preparing site specific plans on behalf of the TSM will consider the above information, and visual landscape design principles.

#	FDU	Objective	Source
77	Loon	To maintain the visual quality in the viewshed of key lakes. To maintain the visual quality in the viewshed surrounding existing tourism operations.	CCLUP (p.126)

Result or Strategy

- The TSM will apply the results and strategies for objectives 9, 56 and 57.
- The TSM will gather input from potentially affected parties, including but not limited to owners of tourism operations that are lodges, resorts, licensed users of the Crown land for recreation and tourism purposes, guide outfitters, and outdoor recreationists, in regards to cutblocks and roads proposed by the TSM. Input will be gathered annually through one or more methods of a referral letter, an invitation to an open house, a public advertisement, or some other form.
- Professionals preparing site specific plans on behalf of the TSM will consider the above information, and visual landscape design principles.

#	FDU	Objective	Source
78	Bonaparte	To maintain the visual quality in the viewshed of key lakes. To maintain the visual quality in the viewshed surrounding existing tourism operations.	CCLUP (p.128)

Result or Strategy

- The TSM will apply the results and strategies for objective 9.
- The TSM will gather input from potentially affected parties, including but not limited to owners of tourism operations that are lodges, resorts, licensed users of the Crown land for recreation and tourism purposes, guide outfitters, and outdoor recreationists, in regards to cutblocks and roads proposed by the TSM. Input will be gathered annually through one or more methods of a referral letter, an invitation to an open house, a public advertisement, or some other form.
- Professionals preparing site specific plans on behalf of the TSM will consider the above information, and visual landscape design principles.

#	FDU	Objective	Source
79	All	Forest operations should either avoid or minimize impacts on scenic quality. Any impacts that do occur must be rehabilitated within a specified time.	CCLUP (p.140)

Result or Strategy

- The TSM will apply the results and strategies for objectives 66 through 78.
- Where impacts due to the TSM's forest practice must be rehabilitated, the TSM will ensure that:
 - a free growing stand is met within the required time frame
 - where the impacts are from unsightly roads, the roads will be recontoured and rehabilitated as soon as practicable after they are no longer required for access to facilitate achievement of a free growing stand.

#	FDU	Objective	Source
80	Boss/Deception, Flat Lake, Interlakes, Lang Lk/ Schoolhouse, Marble Range	There should be emphasis on the Forest Practices Code requirement of provision of sufficient information in operational plans for the public and agencies to assess the environmental and social impacts of proposed developments including: topography and natural features, forest cover, location of sensitive areas and known resource features, location of forest ecosystem networks and visually sensitive areas .	CCLUP (p.178)

Result or Strategy

- The TSM will include information regarding visually sensitive areas in the BCTS Operating Plan, and use the Operating Plan when sharing information with the public and agencies in accordance with this FSP.

1.15 Cultural Heritage Objectives

#	FDU	Objective	Source
81	All	<p>The objective set by government for cultural heritage resources is to conserve, or, if necessary, protect cultural heritage resources that are</p> <ul style="list-style-type: none"> the focus of a traditional use by an aboriginal people that is of continuing importance to that people, and not regulated under the Heritage Conservation Act 	FPPR Section 10

Result or StrategyDefinitions for this objective:

- **“Affected Cultural Heritage Resource”** means a cultural heritage resource to which the objective set by government in section 10 of the FPPR pertains;
- **“Cultural Heritage Resource Evaluation”** means a process conducted by an authorized member of the affected First Nation or qualified professional to assess the existence and significance of an affected cultural heritage resource;
- **“Culturally Modified Tree”** means trees that have been altered by aboriginal people as part of their traditional use of the forests;

Approach to Harvesting and Roads

- before carrying out or authorizing forest practices, the TSM will refer to potentially affected First Nations the areas identified for proposed forest harvesting and road construction, and request information regarding cultural heritage resource values.
- if the TSM is made aware of the presence of an affected cultural heritage resource in or adjacent to a proposed cutblock or road, the TSM will:
 - evaluate and work to mitigate the direct impact of the road or cutblock on the affected cultural heritage resource based on:
 - the relative value or importance of the affected cultural heritage resource to a traditional use by an aboriginal people;
 - the relative abundance or scarcity of the affected cultural heritage resource;
 - the historical extent of the traditional use of the affected cultural heritage resource; and
 - the impact that conserving or protecting the cultural heritage resource has on the TSM’s ability to sell timber, or on an agreement holder’s timber harvesting rights.
 - work with the affected First Nations who provided cultural heritage resource information, on the development of strategies for mitigating potential impacts to those values; and
 - consider and implement the recommended management strategies.

- if a previously unidentified affected cultural heritage resource is encountered during harvesting, road construction or mechanical site preparation that is carried out or authorized by the TSM, the TSM will require operations to cease to the extent necessary to protect the affected cultural heritage resource until a cultural heritage resource evaluation can be carried out.
- If the cultural heritage resource evaluation determines that the previously unidentified cultural heritage resource consists of only culturally modified trees, then the TSM will ensure that
 - a survey to identify culturally modified trees is carried out, and
 - the survey results are provided to affected First Nations:
- If the cultural heritage resource evaluation determines that the previously unidentified cultural heritage resource is not a culturally modified tree then the TSM will
 - evaluate the direct impact of the forest practice on the cultural heritage resource, and
 - in accordance with this strategy, prepare and implement recommendations to mitigate the impact on, conserve or, if necessary, protect the cultural heritage resource; and
 - communicate the outcomes of this evaluation to the First Nation in whose asserted traditional territory the area lies.

1.16 Range Objectives and Measures

1.16.1 Natural Range Barriers - Measures

The following measures will be undertaken by the holder of this FSP in all FDU areas that contain or are adjacent to range tenures:

#	FDU	Objective/Content Requirement	Source
82	All	The TSM must specify measures to mitigate the effect of removing or rendering ineffective natural range barriers.	FPPR Section 18

Measures

- TSM will annually:
 - consult with Range program staff at the MoFR regarding range related concerns, including natural range barriers
 - review maps of known natural range barriers, or if no maps are available, may have a professional agrologist conduct a review in order to identify natural range barriers and potential strategies for mitigation
 - update maps of occupied areas or areas adjacent to range tenures with information pertinent to range management (range unit boundaries, natural barriers).
- Before the TSM carries out or authorizes primary forest activities within an FDU, the TSM will:

- inform the range holder of planned primary forest activities within or adjacent to their range tenure, and
- Where the range tenure holder, MoFR, or an agrologist's review indicates that primary forest practices may remove or render ineffective a Natural Range Barrier, work with the range tenure holder to develop and implement a strategy for mitigation.

1.16.2 Invasive Plants – Measures

#	FDU	Requirement	Source
83	All	A person who prepares a forest stewardship plan must specify measures in the plan to prevent the introduction or spread of species of plants that are invasive plants under the Invasive Plants Regulation, if the introduction is likely to be a result of the person's forest practices.	FPPR Section 17

Measures

Definitions

- For this objective, “**Invasive Plant Species**” means those plants defined in the Invasive Plants Regulation (January 31, 2004) as amended from time to time;

Approach to Harvesting and Roads

- The measures for the purposes of preventing the introduction or spread of prescribed species of invasive plants are:
 - at least once annually, the TSM will consult with MOFR range staff to determine the presence and risk of invasive plant species in areas proposed for forest practices;
 - before the TSM carries out or authorizes forest practices within an FDU, the TSM will check the provincial inventory database and mapping system for the presence of invasive plant species in the area proposed for development;
 - if the TSM carries out or authorizes forest practices that will result in creating contiguous areas of disturbed soil ≥ 0.25 ha, the TSM will ensure that, within one year of their completion, the portions of the area occupied by ditch-lines, cut-or fill slopes, and deactivated roads which are not reforested (except for active running surface) are revegetated using:
 - seed or forage mixture that meets or exceeds Canada Common Number 1 Forage Mixture as defined by the *Canada Seeds Act* and Regulation; or Canada Common Number 1 Forage Mixture as defined by the *Canada Seeds Act* and Regulation, or
 - native forbs or shrubs. Canada Number 1 Ground Cover Mixture as defined by the *Canada Seeds Act* and Regulation.
 - report new invasive plant infestation sites to the Ministry of Forests and Range within one year of discovery;
 - inform BCTS Licensees and contractors about methods for preventing the spread of invasive plants, such as cleaning off machinery after use in high risk areas.

1.16.3 Other Range Objectives

#	FDU	Objective	Source
84	All	Plan and manage forest development activities to minimize or mitigate impacts to other values, including significant fish, wildlife, range , cultural heritage, recreation and tourism values and opportunities.	CCLUP (p.18)

Result or Strategy

- TSM will annually:
 - consult with Range program staff at the MoFR regarding range related concerns
 - update maps of occupied areas or areas adjacent to range tenures with information pertinent to range management (range unit boundaries, natural barriers).
 - request to speak and/or meet with a representative audience of range interests in the area, whether a livestock association or cattlemens' association
- Before the TSM carries out or authorizes primary forest activities within an FDU, the TSM will inform the range holder of planned primary forest activities within or adjacent to their range tenure.
- The TSM will apply the results and strategies for objectives 82, 83 and 85.

#	FDU	Objective	Source
85	All	All range (and highways) fences should be wildlife safe, including top rails and appropriate wire spacing.	CCLUP (p.159) (Range)

Result or Strategy

- The TSM will seek information from 100 Mile House MoFR range staff and/or MOE staff annually regarding specifications for fencing in regards to wildlife safety. The TSM will ensure that those specifications are placed in BCTS contracts that pertain to or require fencing.

#	FDU	Objective	Source
86	All	To maintain the current authorized level of AUM's in the polygon, and to maintain the existing proportion of AUM's by Range Unit.	CCLUP (p.60-133)
Result or Strategy <ul style="list-style-type: none"> The TSM will apply the results and strategies for objectives 82, 83 and 84. Where government or a grazing tenure holder shows the TSM that one or more of the following conditions is present: <ul style="list-style-type: none"> the AUM level for the polygon (the FDU) indicated in the <i>CCLUP 90-Day Implementation Process Final Report</i> (the 90-Day Report), is unsustainable or unachievable as a direct result of primary forest activities conducted by or on behalf of the TSM; the proportion of AUM's by Range Unit within the FDU, indicated in the 90-Day Report, has changed significantly, and the availability in one or more Range Units within the FDU is decreasing as a direct result of primary forest activities carried out by or on behalf of the TSM; <p>the TSM will consult with the affected range tenure holder(s) and/or Ministry of Forests Range staff with the intent of modifying primary forest activities to, at a minimum maintain the 90-Day Report AUM levels by FDU and by Range Unit.</p> The authorized levels of AUM's from the 90-Day Report are listed in Table 6. 			

Table 6. Authorized Level of AUM's by Polygon From the 90-Day Report.

Polygon (FDU)	AUM's
Boss/Deception	150
Flat Lake	1,866
Interlakes	17,559
Lang Lake/Schoolhouse	265
Marble Range	4,363
Grassland	39,579
Clinton	5,890
Canim	3,055
Rail	6,629
Gustafson	37,538
Loon	9,636
Bonaparte	15,900

1.17 Wildcraft and Access Management Objectives

#	Objective	Source
87	Maintain roaded access to the percentages of the FDUs as listed in table 7.	CCLUP (p.60-133)

Table 7. Percentage of FDU to Maintain Roaded Access for Wildcraft Activities.

FDU	% of FDU to maintain roaded access for wildcraft activities
Boss/Deception	20
Interlakes	70
Lang Lake/Schoolhouse	50
Marble Range	50
Grasslands	40
Clinton	80
Canim	80
Rail	90
Gustafson	90
Loon	85
Bonaparte	80
Result or Strategy <ul style="list-style-type: none"> The TSM will, in accordance with legislation and this FSP, develop roads to facilitate timber harvesting. 	

#	FDU	Objective	Source
88	Boss/Deception	Access management planning will restrict permanent road access in 80% of this FDU.	CCLUP (p.60)
Result or Strategy <ul style="list-style-type: none"> If an access management plan is prepared as suggested in the CCLUP, the TSM will refer to the plan for guidance prior to developing access within the FDU. The TSM will participate in any future access management planning initiative. Roads that are under authority of the TSM or a BCTS Licensee, and that are not required for timber harvesting or silviculture treatments, will be deactivated, or the responsibility transferred to another authority. 			

#	FDU	Objective	Source
89	Flat Lake	Access management planning will limit permanent road access in 100% of this FDU.	CCLUP (p.66)

Result or Strategy

- If an access management plan is prepared as suggested in the CCLUP, the TSM will refer to the plan for guidance prior to developing access within the FDU.
- The TSM will participate in any future access management planning initiative.
- Roads that are under authority of the TSM or a BCTS Licensee, and that are not required for timber harvesting or silviculture treatments, will be deactivated, or the responsibility transferred to another authority.

#	FDU	Objective	Source
90	Boss/Deception	Apply an access management strategy aimed at restricting the development of permanent road access over approximately 30% of the polygon, in addition to the area managed for backcountry experience.	CCLUP (p.61)

Result or Strategy

- The TSM will apply the results and strategies for objectives 53, 88 and 94.

#	FDU	Objective	Source
91	Flat Lake	Apply an access management strategy aimed at restricting the development of permanent road access over the remaining 80% of the polygon, in addition to the area managed for backcountry experience.	CCLUP (p.67)

Result or Strategy

- The TSM will apply the results and strategies for objective 9 and 89.

#	FDU	Objective	Source
92	Lang Lake/Schoolhouse	Apply an access management strategy aimed at restricting the development of permanent road access over approximately 20% of the polygon, in addition to the area managed for backcountry experience.	CCLUP (p.73)

Result or Strategy

- The TSM will apply the results and strategies for objectives 56 and 94.
- Roads that are under authority of the TSM or a BCTS Licensee, and that are not required for timber harvesting or silviculture treatments, will be deactivated, or the responsibility transferred to another authority.

#	FDU	Objective	Source
93	Flat Lake	To maintain access to 100% of the polygon as walk-in off close permanent roads.	CCLUP (p.66)

Result or Strategy

- The TSM will apply the results and strategies for objective 91.

#	FDU	Objective	Source
94	Boss/Deception, Lang Lake/Schoolhouse	Coordinate use of any temporary access from forest industry development or mineral exploration.	CCLUP (p.60, 72)
Result or Strategy <ul style="list-style-type: none"> • Within 6 months following the approval of this plan the TSM will notify the Ministry of Energy, Mines and Petroleum Resources that the holder's staff will make reasonable effort to be available for discussions in regards to coordinating road and harvesting development. • Upon request by mineral exploration interests, the TSM will, within reason, make available staff for the purpose of coordinating access development for forest management with mineral exploration. 			

1.18 Timber Targets

#	Objective	Source
95	Achieve the timber targets on the entire productive forest landbase within each subunit, as listed in table 8.	CCLUP (p.60-133)

Table 8. Timber Targets by Sub-unit.

FDU	Conventional (%)	Modified (%)	No Harvest (%)
Boss/Deception	12	51	37
Flat Lake	68	22	10
Interlakes	26	66	8
Lang Lake/Schoolhouse	39	51	10
Marble Range	42	48	10
Grasslands	0	92	8
Clinton	72	22	6
Canim	69	18	13
Rail	37	58	5
Gustafson	72	21	7
Loon	74	16	7
Bonaparte	77	16	7
Result or Strategy <ul style="list-style-type: none"> The TSM will cooperate with government agencies and subregional planning process that will monitor and track these values, which represent an impact on an area larger than what the TSM can influence. 			

1.19 Silviculture Systems

#	FDU	Objective	Source
96	Boss Deception, Flat Lake, Lang Lake/Schoolhouse, Interlakes, Marble Range	Foster sufficient diversity of silvicultural systems across the landscape to maintain natural landscape patterns and stand structure and to meet a variety of management objectives. The long term objective, monitored on an annual basis, should be to reduce the use of any one specific silvicultural system to less than 75% over a particular SRDZ area.	CCLUP (p.179)
Result or Strategy <ul style="list-style-type: none"> The TSM will consider all silviculture system options in site specific plans in FDU's that are in the SRDZ. 			

STOCKING STANDARDS

All stocking requirements are applicable across the entire FSP area (all FDUs).

Scale of Measurement: FPPR s.44 will apply to all areas harvested under the authority of this FSP.

Map Reference: N/A.

Where the TSM is required under FRPA to establish a free growing stand with respect to timber harvesting governed by this FSP, the TSM will do so in accordance with the stocking standards in Appendix A.

APPENDIX A – STOCKING STANDARDS TABLES

1.20 A-1 - GENERAL DISCUSSION

Minimum Stocking Standards (MSSpa and MSSp)

Where no acceptable species are selected in the Site Plan then MSSp will be the same value as MSSpa for that standard.

Minimum Inter-Tree Distance

Despite the distance specified in the stocking standards tables, the minimum inter-tree distance may be reduced to as close as 1.6 meters in the following circumstances:

- Where tree planting takes place on:
 - Hydric, sub-hydric, or mechanically site prepared sites.

Uneven-aged Stocking Standards

- Uneven-aged stocking standards will apply in circumstances where the forest professional preparing site specific plans for individual blocks determines that uneven-aged management is the preferred approach to manage the stand.

Regeneration Delay

- Regeneration delay will be 4 years unless the site plan identifies natural regeneration for the block or standards unit, then regeneration delay will be set up to a maximum of 7 years.

Damage Criteria

- BCTS will use damage criteria for Regeneration and Free growing surveys specified in FS 660, 2005/01 or equivalent future guidelines.

Crop vs. Competition Ratio

- Crop vs. competition ratio must be a minimum of 125% in the BG, ESSF, IDF, MS and PP biogeoclimatic subzones.
- Crop vs. competition ratio must be a minimum of 150% in all other biogeoclimatic subzones not listed above.

Maximum Density

- Maximum density will be 25 000 stems per hectare where stands are greater than 80% pine by stem count, otherwise maximum density will be 10 000 stems per hectare.

Broadleaf Species

- Broadleaf species will be utilized in stocking standards only in accordance with the Chief Forester's memorandum *Re: silviculture prescription submissions that include broadleaf species* dated August 22, 2000.

1.21 A-2 TABLES

Table 9. Stocking Standards for Uneven-aged Stands.

Uneven-aged Standards

Even-aged Target	Layer	TSSpa	MSSpa	MSSp
1200	1	600	300	250
	2	800	400	300
	3	1000	500	400
	4	1200	700	600
1000	1	400	200	200
	2	600	300	250
	3	800	400	300
	4	1000	500	400
800	1	300	150	150
	2	400	200	200
	3	600	300	300
	4	800	400	300
600	1	300	150	150
	2	400	200	200
	3	500	300	300
	4	600	400	400
400	1	200	100	100
	2	300	125	125
	3	300	150	150
	4	400	200	200

Notes: Apply in conjunction with the even-aged BGC information.

Table 10. Stocking Standards for Even-aged Stands.

Stocking Code	BEC subzone	Site Series	Pref.	Accept.	Broad leaf	TSS	MSSpa	MSSp	Regen delay	Free growing	species	FG Height (m)
24700	ESSFdc2	01	PI Se	BI		1200	700	600	4	20	PI Others	1.6 0.8
24701		02*	PI ⁵²	BI ¹³ Se		-	-	-	-	-	-	-
24702		03	PI	BI ¹³ Pa ^{9,17} Se		1000	500	400	7	20	PI Others	1.2 0.6
24703		04	PI	BI ¹³ Se		1000	500	400	7	20	PI Others	1.2 0.6
24704		05	PI Se	BI ^{10,13}		1000	500	400	7	20	PI Others	1.2 0.6
24705		06	PI Se	BI		1200	700	600	4	20	PI Others	1.6 0.8
24706		07	PI Se ³²	BI		1200	700	600	4	20	PI Others	1.6 0.8
24707		08	PI ¹ Se ^{1,32}	BI ^{1,32}		1000	500	400	4	20	PI Others	1.2 0.6
24708		09	non-forested			-	-	-	-	-	-	-
24709	ESSFwc3	01	BI Se	PI ³⁴		1200	700	600	4	20	PI Others	1.6 0.8
24710		02	BI Se PI ³⁴			1000	500	400	7	20	PI Others	1.2 0.6
24711		03*	BI ^{1,32,34} Se ^{1,32,34}			600	400	400	7	20	All	0.6
24712	ESSFwk1	01	BI Se PI ³⁴			1200	700	600	4	20	PI Others	2.0 1.0
24713		02*	BI PI Se			1000	500	400	7	20	PI Others	1.4 0.8
24714		03	PI ³⁴ Se	BI		1200	700	600	4	20	PI Others	2.0 1.0
24715		04	BI ³² Se ³²	PI ³⁴		1200	700	600	4	20	PI Others	2.0 1.0

24715	05	BI Se	PI ³⁴		1200	700	600	4	20	PI	2.0
										Others	1.0
24716	06	BI ^{1,32} Se ^{1,32}			1000	500	400	4	20	All	0.8
24717	07	BI ^{1,32} Se ^{1,32}			1000	500	400	4	20	All	0.8
24718	ESSFxc 01	PI Se ³²	BI ^{10,13}		1200	700	600	4	20	PI	1.6
										Others	0.8
24719	02	PI	BI ¹³ Se		600	400	400	7	20	PI	1.2
										Others	0.6
24720	03	non-forested			-	-	-	-	-	-	-
24721	04	non-forested			-	-	-	-	-	-	-
24722	05	PI	BI ¹³ Se		1000	500	400	7	20	PI	1.2
										Others	0.6
24723	06	PI Se	BI ¹³		1200	700	600	7	20	PI	1.6
										Others	0.8
24724	07	PI Se ³²	BI ³²		1200	700	600	4	20	PI	1.6
										Others	0.8
24725	08	PI ¹ Se ^{1,32}	BI ^{1,32}		1000	500	400	4	20	PI	1.2
										Others	0.6
24726	09	non-forested			-	-	-	-	-	-	-
24727	10	non-forested			-	-	-	-	-	-	-
24728	ICHdk 01	Fd PI Sx	BI Cw ³⁷	At ^a Ep ^a	1200	700	600	4	20	PI	2.0
										Fd	1.4
										Others	1.0
24729	02	Fd ²⁸ PI	Cw ^{28,37,53} Sx ²⁸	At ^b	1000	500	400	7	20	PI	1.4
										Fd	1.0
										Others	0.8
24730	03	Fd ²⁸ PI	Cw ^{28,37,53} Sx ^{28,53}	At ^b	1200	700	600	7	20	PI	2.0
										Fd	1.4
										Others	1.0
24731	04	Fd PI Sx ²⁸	Cw ^{28,37,53} BI ²⁸	At ^a Ep ^a	1200	700	600	4	20	PI	2.0
										Fd	1.4
										Others	1.0
24732	05	Fd PI Sx	BI Cw ³⁷	Act ^a At ^a Ep ^a	1200	700	600	4	20	PI	2.0

24733	06	Fd PI Sx	BI Cw ³⁷	Act ^a At ^a Ep ^a	1200	700	600	4	20	Fd 1.4 Others 1.0 PI 2.0
24734	07	Fd ^{1,32} PI Sx	BI	Act ^a At ^b	1200	700	600	4	20	Fd 1.4 Others 1.0 PI 2.0
24735	08	Fd ³² Sx	BI Cw ^{32,37} PI	Act ^a At ^a Ep ^a	1000	500	400	4	20	Fd 1.4 Others 1.0 PI 1.4
24736	09	Sx ³²	BI ³² PI	Act ^a	1000	500	400	4	20	Fd 1.0 Others 0.8 PI 1.4 Others 0.8
24737	ICHmk3 01	Fd PI Sx	BI Cw ³⁷	Act ^a At ^a Ep ^a	1200	700	600	4	20	PI 2.0 Fd 1.4 Others 1.0
24738	02*	Fd PI	Sx ²⁸	At ^b	1000	500	400	7	20	PI 1.4 Fd 1.0 Others 0.8
24739	03	Fd PI	Cw ²⁸ Sx ²⁸	At ^b	1000	500	400	7	20	PI 1.4 Fd 1.0 Others 0.8
24740	04	Fd ³² Sx	BI Cw ^{32,37} PI	Act ^a At ^a Ep ^a	1200	700	600	4	20	PI 2.0 Fd 1.4 Others 1.0
24741	05	Sx ³² PI	Cw ^{32,37} BI ³²	Act ^a At ^b	1200	700	600	4	20	PI 2.0 Others 1.0
24742	06	Fd ^{32,34} Sx ³⁴ Cw ^{32,34,37}	BI ³⁴ PI ³⁴	Act ^a At ^b Ep ^a	1200	700	600	4	20	PI 2.0 Fd 1.4 Others 1.0
24743	07	Sx ^{1,32} Cw ^{1,32,37}	BI ^{1,32} PI ¹	Act ^a	1000	500	400	4	20	PI 1.4 Others 0.8
24744	ICHmw3 01	Fd Sx ^{10,13}	PI Cw ^{10,13}	Act ^b At ^a Ep ^a	1200	700	600	4	20	PI, Pw 2.0

24745	01-YC	Fd Sx ^{10,13}	PI Cw ^{10,13}	Act ^b At ^a Ep ^a	1200	700	600	4	20	Lw	2.0	
										Fd	1.4	
										Others	1.0	
										PI, Pw	2.0	
										Lw	2.0	
24746	02	Fd PI	Cw ^{10,13}	Ep ^b	1000	500	400	7	20	Fd	1.4	
										Others	1.0	
										PI, Pw	1.4	
										Fd	1.0	
										Others	0.8	
24747	03	Fd ³² PI	Cw ^{10,13} Hw Sx ^{10,13}	At ^{53,a} Ep ^{53,a}	1000	500	400	7	20	PI, Pw	1.4	
										Lw	1.4	
										Fd	1.0	
										Others	0.8	
										PI, Pw	2.0	
24748	04	Fd PI	Cw ^{10,13} Sx ^{10,13}	At ^a Ep ^a	1200	700	600	7	20	Lw	2.0	
										Fd	1.4	
										Others	1.0	
										PI, Pw	2.0	
										Lw	2.0	
24749	05	Fd Sx ^{10,13}	BI ^{10,13} Hw ^{10,13} PI	Act ^b At ^a Ep ^a	1200	700	600	7	20	Fd	1.4	
										Others	1.0	
										PI, Pw	2.0	
										Lw	2.0	
										Fd	1.4	
24750	06	Cw Fd ¹⁴ Hw Sx	BI ^{10,13} PI	Act ^a At ^a Ep ^a	1200	700	600	4	20	Others	1.0	
										PI, Pw	2.0	
										Lw	2.0	
										Fd	1.4	
										Others	1.0	
24751	07	Cw ³² Sx Fd ^{1,32}	BI Hw ³² PI	Act ^a At ^a Ep ^a	1200	700	600	4	20	PI, Pw	2.0	
										Lw	2.0	
										Fd	1.4	
										Others	1.0	
										PI, Pw	2.0	
24752	08	Cw ^{1,32} PI ¹ Sx ¹	BI ¹	Act ^a At ^b Ep ^b	1000	500	400	4	20	Lw	2.0	
										Fd	1.4	
										Others	1.0	
24752	09	non-forested			-	-	-	-	-	PI	1.4	
										Others	0.8	
24753	IDFdk1	01	Fd ³² PI	Sx ^{10,13}	At ^a	1000	500	400	7	20	PI	1.0

										Lw	1.0
										Fd	0.8
										Sx	0.6
										Py	0.6
24754	02	Fd ²⁷		At ^b	600	400	400	7	20	PI	1.0
										Fd	0.8
										Py	0.6
24755	03	Fd PI		At ^b	600	400	400	7	20	PI	1.0
										Fd	0.8
										Py	0.6
24756	04	Fd PI	Sx ^{10,13}	At ^b	1000	500	400	7	20	PI	1.0
										Fd	0.8
										Others	0.6
24757	05	Fd ^{9,14,32} Sx	PI	Act ^a At ^a Ep ^b	1000	500	400	7	20	PI, Lw	1.0
										Fd	0.8
										Others	0.6
24758	06	PI ¹ Sx ¹ Fd ^{1,32}		Act ^a At ^a Ep ^b	1000	500	400	4	20	PI	1.0
										Fd	0.8
										Others	0.6
24759	07	non-forested			-	-	-	-	-	-	-
24760	IDFdk3 01	Fd ^{27,32} PI	Sx ^{13,28}	At ^a	1200	700	600	7	20	PI	1.4
										Fd	1.0
										Sx	0.8
24761	02*	Fd ^{27,28} PI			800	500	400	7	20	PI	1.0
										Fd	0.8
24762	03*	Fd ^{27,28} PI ²⁸			800	500	400	7	20	PI	1.0
										Fd	0.8
24763	04	Fd ^{27,28} PI ²⁸		At ^b	1000	500	400	7	20	PI	1.0
										Fd	0.8
24764	05	Fd ²⁷ PI		At ^b	1200	700	600	7	20	PI	1.4
										Fd	1.0
24765	06	Fd ^{27,28} PI		At ^b	1200	700	600	7	20	PI	1.4
										Fd	1.0
24766	07	Fd ³² PI Sx ²⁸		At ^a Ep ^b	1200	700	600	4	20	PI	1.4

24767	08	Fd ^{1,32} PI Sx	Act ^a At ^a Ep ^b	1200	700	600	4	20	Fd 1.0 Sx 0.8 PI 1.4
24768	09	Sx ^{1,32} PI ¹	Act ^a	1000	500	400	4	20	Fd 1.0 Sx 0.8 PI 1.0 Sx 0.6
24769	IDFmw2 01	Fd PI Cw ^{10,13} Sx ^{10,13}	At ^a Ep ^a	1200	700	600	7	20	PI, Lw 1.6 Fd 1.0 Others 0.8
24770	01-YC	Fd PI Cw ^{10,13} Sx ^{10,13}	At ^a Ep ^a Act ^b	1200	700	600	7	20	PI, Lw 1.6 Fd 1.0 Others 0.8
24771	01-YS	Fd PI Sx ^{10,13}	At ^a Ep ^a	1200	700	600	7	20	PI, Lw 1.6 Fd 1.0 Sx 0.8
24772	02	Fd ²⁷	At ^b	600	400	400	7	20	PI 1.2 Fd 0.8 Py 0.6
24773	03	Fd ¹⁴ PI Cw ^{10,13} Sx ^{10,13}	At ^b Ep ^b	1000	500	400	7	20	PI, Lw 1.6 Fd 1.0 Others 0.8
24774	04	Fd ³² Sx PI Cw ^{32,37}	Act ^a At ^a Ep ^a	1200	700	600	4	20	PI, Lw 1.6 Fd 1.0 Others 0.8
24775	05*	Sx ¹ PI ¹ Cw ^{1,32}	Act ^a At ^b Ep ^b	400	200	200	4	20	PI 1.2 Others 0.6
24776	IDFxm 01a	Fd ^{27,28}	At ^a	1200	700	600	7	20	All 0.8
24777	01b	Fd ^{27,28} PI	At ^a	1200	700	600	7	20	All 0.8
24778	02*	Fd ^{27,28}		1000	500	400	7	20	Fd 0.6
24779	03	Fd ^{27,28} PI		1000	500	400	7	20	PI 0.8 Fd 0.6
24780	04	Fd ^{27,28}	At ^b	1000	500	400	7	20	Fd 0.6

24781	05	Fd ²⁷	At ^b	1200	700	600	7	20	Fd	0.8
24782	06	Fd ³²	At ^a	1200	700	600	7	20	Fd	0.8
24783	06	Fd ³²	At ^a	1200	700	600	7	20	Fd	0.8
24784	07	Fd	At ^a Ep ^a	1200	700	600	7	20	Fd	0.8
24785	08	Fd ³² Sx	Act ^a At ^a	1200	700	600	4	20	Fd, Sx	0.8
24786	09	PI ¹ Sx ¹	Act ^b At ^b	1000	500	400	4	20	PI	0.8
									Sx	0.6
24787	IDFwx 01	Fd ²⁷ Py	At ^b	1200	700	600	7	20	Fd, Py	0.8
24788	02*	Fd ^{27,28} Py ²⁸		600	400	400	7	20	Fd, Py	0.6
24789	03*	Fd ^{27,28} Py ²⁸		600	400	400	7	20	Fd, Py	0.6
24790	04	Fd ^{27,28} Py ²⁸	At ^b	800	500	400	7	20	Fd, Py	0.6
24791	05	Fd ²⁷	At ^b	1200	700	600	7	20	Fd	0.8
24792	06	Fd Sx	Act ^a At ^a Ep ^a	1200	700	600	4	20	Fd, Sx	0.6
24793	07	Fd Sx	Act ^a At ^a Ep ^a	1000	500	400	4	20	Fd, Sx	0.6
1,003,624	MSxk 01	PI Fd ^{9,14,32} Sx ^{10,13} BI ^{10,13}	At ^a	1200	700	600	7	20	PI	1.4
									Others	0.8
1,003,625	02	PI Fd ^{9,14} BI ^{10,13}		1000	500	400	7	20	PI	1.0
								20	Others	0.6
1,003,626	05	PI Fd ^{9,14} BI ^{10,13} Sx ^{10,13}		1000	500	400	7	20	PI	1.0
									Others	0.6
1,003,627	06	PI Fd ^{9,14,32} Sx ^{10,13} BI ^{10,13}	At ^a	1200	700	600	7	20	PI, Lw	1.4
									Others	0.8
1,003,628	07	PI Fd ^{1,9,14,32} Sx BI ^{10,13}		1200	700	600	4	20	PI	1.4
									Others	0.8
1,003,629	08	PI Sx Fd ^{9,14,32} BI	Act ^a At ^a	1200	700	600	4	20	PI	1.4
									Others	0.8
1,003,630	09	PI ¹ Sx ¹ BI ¹	Act ^a At ^b	1000	500	400	4	20	PI	1.0
									Others	0.6
24803	SBPSmk 01	Fd ^{14,32} PI Sx	At ^a	1200	700	600	7	20	PI	1.6
									Fd	1.0
									Sx	0.8

24804	02*	Fd ^{14,28} PI	Sx ²⁸		1000	500	400	7	20	PI	1.2
										Fd	0.8
										Sx	0.6
24805	03	Fd ²⁸ PI		At ^a	1200	700	600	7	20	PI	1.6
										Fd	1.0
24806	04	Fd ^{14,28,32} PI Sx ²⁸		At ^a	1200	700	600	7	20	PI	1.6
										Fd	1.0
										Others	0.8
24807	05	Fd ^{14,28} PI Sx ²⁸		At ^b	1200	700	600	7	20	PI	1.6
										Fd	1.0
										Sx	0.8
24808	06	PI Sx		Act ^a At ^a	1200	700	600	4	20	PI	1.6
										Sx	0.8
24809	07	Sx ^{1,32}	PI ¹ BI ^{1,32}	Act ^a At ^a	1000	500	400	4	20	PI	1.2
										Others	0.6
24810	08	Sx ^{1,32} PI ¹	Sb ¹		400	200	200	4	20	PI	1.2
										Others	0.6
24811	SBSdw1 01	Fd PI Sx ²⁸	BI ^{28,53}	At ^a Ep ^a	1200	700	600	7	20	PI	2.0
										Fd	1.4
										Others	1.0
24812	02*	Fd ²⁸ PI		At ^b	1000	500	400	7	20	PI	1.4
										Fd	1.0
24813	03	Fd ²⁷ PI		At ^a	1200	700	600	7	20	PI	2.0
										Fd	1.4
24814	04	Fd ³² PI Sx ²⁸		At ^a Ep ^b	1200	700	600	7	20	PI	2.0
										Fd	1.4
										Sx	1.0
24820	05	Fd PI Sx		At ^a Ep ^a	1200	700	600	7	20	PI	2.0
										Fd	1.4
										Sx	1.0
24816	06	Fd PI Sx	BI	Act ^a At ^a Ep ^a	1200	700	600	7	20	PI	2.0
										Fd	1.4
										Others	1.0
24817	07	Fd ^{1,32} PI Sx	BI	Act ^a At ^a Ep ^b	1200	700	600	4	20	PI	2.0

24818	08	Fd ^{1,32} PI Sx	BI ³²	Act ^a At ^a Ep ^a	1200	700	600	4	20	Fd	1.4
										Others	1.0
										PI	2.0
										Fd	1.4
24819	09	Sx ^{1,32}	BI ^{1,32} PI ¹	Act ^a	1000	500	400	4	20	Others	1.0
										PI	1.4
										Others	0.8
24820	SBSmc1 01	Fd ^{15,32} PI Sx ²⁸	BI ²⁸	Act ^b	1200	700	600	7	20	PI	1.6
										Fd	1.0
										Others	0.8
24821	02*	PI	BI ²⁸ Sx ²⁸		1000	500	400	7	20	PI	1.2
										Others	0.6
24822	03	Fd PI		At ^b	1200	700	600	7	20	PI	1.6
										Fd	1.0
24823	04	PI Sx ³²	BI ³²		1200	700	600	7	20	PI	1.6
										Others	0.8
24824	05	PI Sx ³²	BI ³²		1200	700	600	7	20	PI	1.6
										Others	0.8
24825	06	Fd ^{15,32} PI Sx	BI	Act ^a	1200	700	600	4	20	PI	1.6
										Fd	1.0
										Others	0.8
24826	07	Fd ^{15,32} PI Sx	BI	Act ^a	1200	700	600	4	20	PI	1.6
										Fd	1.0
										Others	0.8
24827	08	Sx ^{1,32}	BI ^{1, 32} PI ¹	Act ^b	1000	500	400	4	20	PI	1.2
										Others	0.6
24828	SBSmm 01	PI Sx Fd ^{9,14,32}	BI ^{10,13}	Act ^b At ^a	1200	700	600	7	20	PI, Lw	2.0
										Fd	1.4
										Others	1.0
24829	02	PI Fd ^{9,13,32}	BI ^{10,13} Sx ^{10,13}	At ^b	1000	500	400	7	20	PI	1.4
										Fd	1.0
										Others	0.8
24830	03	Fd ^{9,14,32} PI	BI ^{10,13} Sx ^{10,13}		1000	500	400	7	20	PI	1.4

24331	04	PI Fd ^{9,14,32} BI ^{10,13} Sx ^{10,13}	At ^b	1000	500	400	7	20	Fd 1.0 Others 0.8 PI 1.4 Fd 1.0 Others 0.8
24832	05	PI Fd ^{9,14,32} Sx BI ^{10,13}	At ^a	1200	700	600	7	20	PI, Lw 2.0 Fd 1.4 Others 1.0
24833	06	PI Sx BI ^{10,13} Fd ^{9,14,32}	At ^a	1200	700	600	7	20	PI, Lw 2.0 Fd 1.4 Others 1.0
24834	07	PI Sx Fd ^{9,14,32} BI Cw ³²	Act ^a At ^a	1200	700	600	4	20	PI 2.0 Fd 1.4 Others 1.0
24835	08	Sx ¹ PI ¹ BI ¹	Act ^a At ^b Ep ^b	1000	500	400	4	20	PI 1.4 Others 0.8
24836	09	Non-forested							

Footnotes: * means avoid logging

Footnote #**Footnote**

- 1 elevated microsites are preferred
- 2 suitable on thick forest floors
- 3 restricted to coarse-textured soils
- 4 restricted to medium-textured soils
- 5 footnote retired
- 6 restricted to nutrient-very-poor sites
- 7 restricted to nutrient-medium sites
- 8 restricted to steep slopes
- 9 restricted to southerly aspects
- 10 restricted to northerly aspects
- 11 restricted to crest slope positions

Footnote #**Footnote**

- 46 restricted to area north of the Dean Channel
- 47 risk of balsam wooly adelgid
- 48 risk of heavy browsing by deer
- 49 applies only to rust resistant, planted stock.
- 50 restricted to sites where the species occurs as a major species in a pre-harvest, natural stand
- 51 restricted to areas with proven PI performance
- 52 restricted to sheltered microsites with deep soil
- 53 minor component
- 54 risk of unsuccessful release of advance regeneration
- 55 acceptable in sx-sm portion of site series

12	suitable on cold air drainage sites		
13	restricted to upper elevations of biogeoclimatic unit	#	<u>Broadleaf Management Constraints</u>
14	restricted to lower elevations of biogeoclimatic unit		
15	restricted to northern portion of biogeoclimatic unit in region	a	productive, reliable, and feasible regeneration option
16	restricted to southern portion of biogeoclimatic unit in region	b	limited in productivity, reliability and/or feasibility
17	restricted to western portion of biogeoclimatic unit in region		
18	restricted to eastern portion of biogeoclimatic unit in region		
19	restricted, not in Queen Charlotte Islands	#	<u>Localized Footnotes</u>
20	restricted, not near outer coast		
21	restricted to mainland	56	Kalum forest district - spruce content restricted to < 20% well-spaced and free growing trees on a standards unit due to leader weevil.
22	restricted to southern Gardner Canal-Kitlope area		
23	restricted to trial use	57	Arrow forest district - Pw rust-resistant stock may be preferred to a max 50% of preferred and acceptable well-spaced stems.
24	suitable (as a major species) in wetter portion of biogeoclimatic unit	58	Arrow forest district - Fd limited to a max 50% of preferred and acceptable well-spaced stems due to root rot.
25	suitable on sites lacking salal		
26	suitable minor species on salal-dominated sites	59	Prince George region - max 1,400 total sph of aspen and cottonwood.
27	partial canopy cover required for successful establishment		
28	limited by moisture deficit	60	Treat as 'ghost' trees in surveys. Squamish forest district - species is acceptable in Squamish forest district only.
29	risk of heavy browsing by moose	61	Squamish forest district only - acceptable on cold air drainage sites only.
30	risk of porcupine damage	62	S. Island forest district - may only be used as acceptable species within the balsam woolly adelgid quarantine zone.
31	risk of white pine blister rust		
32	limited by growing-season frosts	63	Queen Charlotte Islands forest district - must meet district manager specified minimum well-spaced preferred stems per hectare and minimum height
33	footnote retired and replaced with footnote 'a'		

34	risk of snow damage		requirements for Cw and/or Yc
35	risk of weevil damage	64	North Coast forest district - species is preferred in North Coast forest district only.
36	suitable major species on salal-dominated sites	65	North Coast forest district - species is acceptable in North Coast forest district only.
37	risk of heart rots	66	Mackenzie forest district - may be preferred where risk of snow damage is low
38	footnote retired		or where risk of frost damage is excessive on spruce
39	avoid exposed and windy sites	67	Chilliwack forest district - species is acceptable in Chilliwack forest district only.
40	risk of redheart	68	Chilliwack forest district - species is preferred in Chilliwack forest district only.
41	limited by poorly drained soils	69	Species is restricted to upper elevations when used in the southern portion
42	restricted to fresh soil moisture regimes		of the biogeoclimatic unit.
43	suitable on mainland coast only (QCI only)		
44	suitable in areas with stronger maritime influence		
45	suitable in areas with stronger continental influence		

APPENDIX B – FOREST STEWARDSHIP PLAN MAPS**Table 11. Summary of FSP Maps.**

Reference Map Number	Map Reference
Key	1:200,000 FDU Key Map for the TSA dated September 23, 2005
1-12	1:50,000 FSP maps dated September 29, 2006