BC Timber Sales
Kamloops Business Area
100 Mile House Field Unit

100 MILE HOUSE TSA
FOREST STEWARDSHIP PLAN

Effective Date: March 31, 2007
Extension Date: March 31, 2012

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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;

"**FPC**" means the Forest Practices Code Act which was replaced by FRPA in January 2004.

"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 to December 28, 2011

"FSP" means this Forest Stewardship Plan;

"CCLUP" means the Cariboo-Chilcotin Land Use Plan approved by the government in 1995;

"CCLUP LUO" means the Cariboo-Chilcotin Land Use Plan Land Use Order approved by the government May 19, 2010 and as amended to April 18, 2011;

"Polygon" refers to FDU;

"Term" means the period specified in Paragraph 1.4;

"**TSL**" means Timber Sale License;

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

"Wildlife Tree Retention Area" 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 Extension Date.

1.5 Effective Date

The original Effective Date of this FSP was March 31, 2007. The Timber Sales Manager requests that the Delegated Decision Maker (DDM) make approval of this FSP extension effective on March 31, 2012.

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

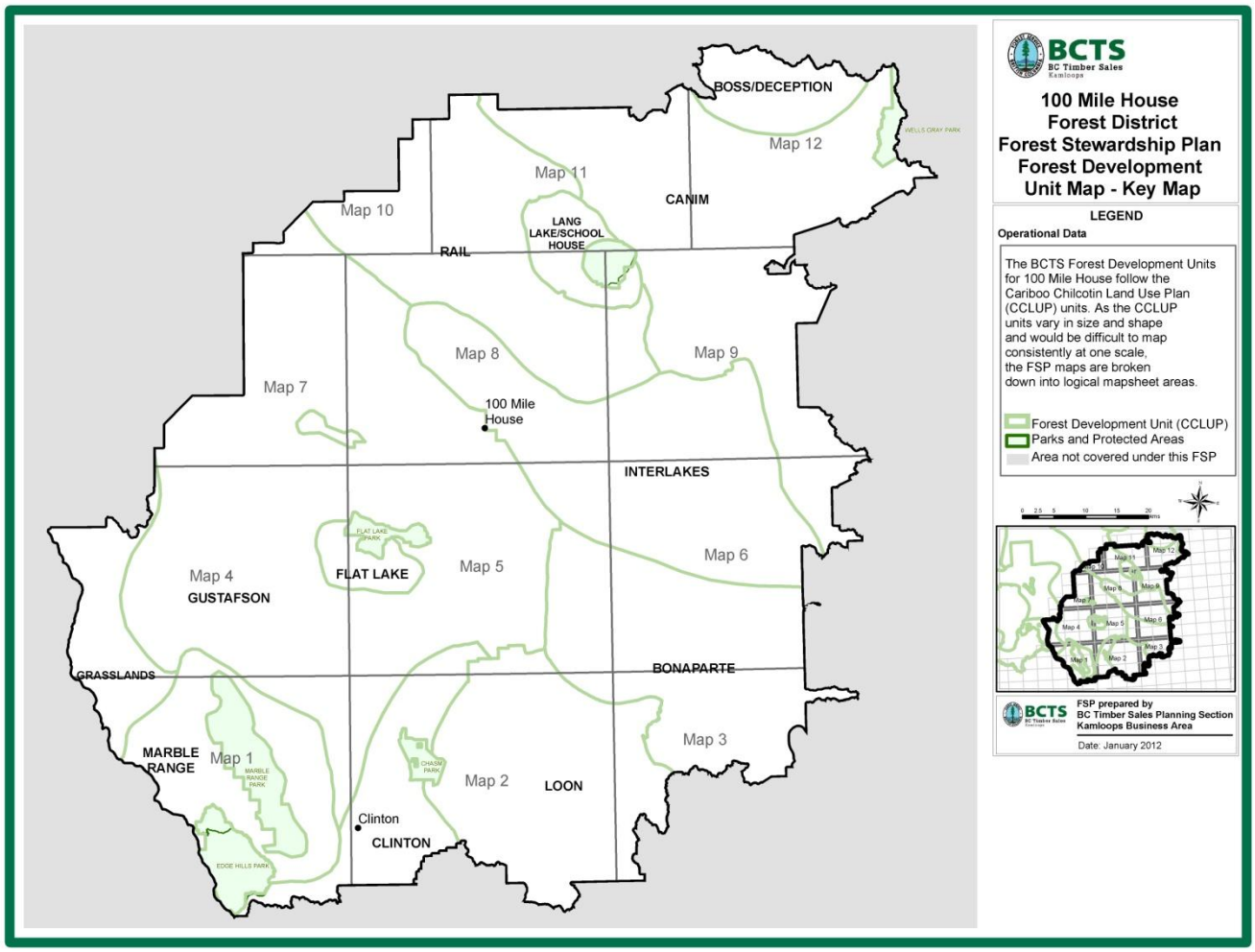
A total of 12 FDUs have been identified in this FSP which incorporate the majority of the 100 Mile House Timber Supply Area (TSA) and correspond to polygons or subunits as defined in the Cariboo-Chilcotin Land Use Plan (CCLUP).

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	231	253	301	501
502	926	928	929	930
931	932	933	934	938
939	940	941	942	943
944	947			

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	366
375	376	378	379	380
381	382	384	385	386
387	417	504	834	885
886	CP/Blk322-3	CP/Blk322-4	CP/Blk322-5	CP/Blk322-6
CP/Blk322-7	CP/Blk322-8	CP/Blk322-9	CP/Blk328-4	CP/Blk328-5
CP/Blk328-6	CP/Blk328-7	CP/Blk328-8	CP/Blk352-3	CP/Blk352-4
CP/Blk352-5	CP/Blk376-6	CP/Blk376-7	CP/Blk376-8	CP/Blk376-9
CP/Blk413-1	CP/Blk413-2	CP/Blk413-3	CP/Blk413-4	CP/Blk413-5
CP/Blk413-6	CP/Blk418-1	CP/Blk418-2	CP/Blk434-1	CP/Blk434-2
CP/Blk613-1	CP/Blk613-2	CP/Blk613-3		

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.

In 2010, the Ministry of Agriculture and Lands Integrated Land Management Bureau legalized several Land Use Objectives for the CCLUP. These objectives are incorporated in this FSP.

1.8 Soil Management and Conservation Objective

#	Objective	Source
1.8.1 ***FDU*** 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

#	Objective	Source

1.9.1.1
FDU
Clinton, Gustafson, Marble Range
	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:
	• 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
	  • an enactment, or
	  • the license pertaining to the waterworks.
		FPPR section 8.2

Result or Strategy

The TSM will adhere to the Practice Requirements as outlined in the FPPR Sections 59 to 62.

#	Objective	Source
1.9.1.2 ***FDU*** Marble Range	To maintain community watershed values over the Clinton Creek community watershed.	CCLUP (p.179) (SRDZ Strategy)

Result or Strategy

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 1.9.1.1.

1.9.2 General Water Resources

#	*Objective*	*Source*
1.9.2.1	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)
FDU		
All		

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.

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

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.

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

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.

#	Objective	Source
1.9.2.4	To manage the Bonaparte River watershed for hydrologic stability through watershed assessment and monitoring programs.	CCLUP (p.105); (p.127)
FDU		
Clinton; Loon		

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.

#	Objective	Source
1.9.2.5	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)
FDU		
Boss/Deception; Flat Lake; Interlakes; Lang Lake/ Schoolhouse; Marble Range		

Result or Strategy

- The TSM will refer to pertinent watershed assessments for guidance on primary forest activities.
- The TSM will apply the results or strategies for objectives 1.9.2.1, 1.9.2.2 and 1.9.2.3.

1.10 Riparian Management Objectives

1.10.1 Riparian

#	*Objective*	*Source*
1.10.1.1 ***FDU*** 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 CCLUP LUO 20-23

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, L3 and selected L1 lakes.
- The TSM commits to maintaining riparian reserve zones as no harvest areas except where:
    - Harvesting is essential for insect control to curtail severe damage to forest values at the landscape level in a beetle management unit classified as suppression for that insect pest,
    - Felling or modifying a tree that is a safety hazard, if there is no other practicable option for addressing the safety hazard
    - Constructing a stream crossing
    - Creating a corridor for full suspension yarding
    - Creating guyline tiebacks
    - Felling or modifying a tree under an occupant licence to cut, master licence to cut or free use permit issued in respect of an area that is subject of a licence permit, or other form of tenure issued under the Land Act, Geothermal Resources Act, Mines Act, Mineral Tenure Act, Mining Right of Way Act, Ministry of Lands, Parks and Housing Act or Petroleum and Natural Gas Act, if the felling or modification is for a purpose expressly authorized under that licence, permit or tenure,
    - Felling or modifying a tree for the purpose of establishing or maintaining an interpretive forest site, recreation site, recreation facility or recreation trail.
- In order to address FPPR section 12(3), the TSM will apply the results outlined in table 5. The TSM commits to retain windfirm trees and other vegetation in riparian management zones on all S4 streams (except at road crossings) sufficient to:
    - Maintain streambank stability and channel processes, and
    - Minimize adverse changes to stream shade and organic input to the stream.
- The TSM will retain deciduous patches, significant wildlife trees and major wildlife features in riparian management zones on W3 wetlands and L3 lakes.

Table 5. Riparian Management Results.

Riparian Class	Windthrow Hazard	RMZ width	Retention Range in RMZ, % of basal area*
S1-A	All	As per FPPR	>25
S1-B, S2, S3, unclassified L1, W1, W5	Moderate or high	As per FPPR	>25
	Low	As per FPPR	0-50
S4, unclassified L3, W3	Moderate or high	As per FPPR	0-20
	Low	As per FPPR	0-50
S5, S6	All	As per FPPR	0-30

#	***Objective***	***Source***
1.10.1.2	To manage the VQOs, disturbance limits and the lake management intent in lakeshore management zones.	CCLUP LUO 16, 17, 18, 19
FDU		
All		

Result or Strategy

- The TSM will manage lakeshore management zones according to the lake and lakeshore management classes as shown in tables 6 and 7 except where:
    - Harvesting is essential for insect control to curtail severe damage to forest values at the landscape level in a beetle management unit (BMU) classified as suppression for that insect pest,
    - Road and fence construction in Class A lakeshore management classes where there is no other practicable location available,
    - Reduction of fine surface debris, ladder fuels and small diameter trees in intermediate and overtopped crown classes within interface fire management plan areas, where that does not diminish old growth characteristics.
- The TSM commits to locate new roads away from the lakeshore on refugia and wilderness fisheries lakes, sufficient to protect the existing character of the lake, unless no other practicable route exists.

Table 6. Lakeshore Management Zone Visual Quality Objectives

Lakeshore Management Class	Visual Quality Objective in the Lakeshore Management Zone (LMZ)	Forest Disturbance and Retention in the Lakeshore Management Zone	
All		Conserve deciduous patches, significant wildlife trees, major wildlife features, and moist under-story habitats	
		Partial Cutting	**Clearcutting**
A	Preservation	No Harvest	
B	Retention	Maximum disturbed area is 20% of the LMZ every 20 years with a minimum basal area retention of 50%.	Maximum disturbed area is 10% of the LMZ every 20 years with openings smaller than 5ha.
C	Partial Retention	Maximum disturbed area is 40% of the LMZ every 20 years with a minimum basal area retention of 50%.	Maximum disturbed area is 20% of the LMZ every 20 years with openings smaller than 10ha.
D	Modification	Maximum disturbed area is 60% of the LMZ every 20 years with a minimum basal area retention of 50%.	Maximum disturbed area is 30% of the LMZ every 20 years.
E	Modification	Maximum disturbed area is 100% of the LMZ every 20 years with a minimum basal area retention of 50%.	Maximum disturbed area is 50% of the LMZ every 20 years.

Table 7. Lake Management Classes.

Lake Management Class	Management
General Lake	Manage the area around the lake to maintain a predominantly rural or natural setting. Road access includes 2-wheel drive roads.
Quality Lake	Manage the area around the lake to provide quality natural features with pristine surroundings and a natural appearing environment. Minimize road access and land development.
Refugium Lake	Manage the area around the lake to conserve the special ecological or physiographic features or habitats.
Wilderness Fisheries Lake	Manage the area surrounding the lake to maintain natural features in an undisturbed, wilderness setting.

#	Objective	Source
1.10.1.3	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)
FDU		
All		

Result or Strategy

- The TSM will carry out or authorize forest practices in accordance with objective 1.10.1.1.

#	Objective	Source
1.10.1.4	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)
FDU		
Boss/ Deception; Lang Lk/ Schoolhouse; Rail		

Result or Strategy

- The TSM will apply the results or strategies for objectives 1.10.1.1, 1.10.1.2, 1.11.1.2, 1.12.1.1, 1.13.2.1, 1.13.2.2, 1.13.2.3, 1.13.3.1, 1.13.4.1, 1.13.5.1, 1.13.6.1 and 1.13.8.1.
- 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. Where a notice has been given under FPPR section 7, the IWMS measures will be applied

#	Objective	Source
1.10.1.5	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)
FDU		
Flat Lake		

Result or Strategy

- The TSM will apply the results or strategies for objectives 1.10.1.1, 1.10.1.2, 1.11.1.2, 1.12.1.1, 1.13.4.1, 1.13.5.1, 1.13.6.1 and 1.13.8.1.
- 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.

#	Objective	Source
1.10.1.6 ***FDU*** 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 1.10.1.1, 1.10.1.2, 1.11.1.2, 1.12.1.1, 1.13.1, 1.13.5.1, 1.13.6.1 and 1.13.8.1.
- 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.

#	Objective	Source
1.10.1.7 ***FDU*** 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 1.10.1.1, 1.10.1.2, 1.11.1.2, 1.12.1.1, 1.13.1, 1.13.5.1, 1.13.6.1 and 1.13.7.1.
- 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.

#	Objective	Source
1.10.1.8 ***FDU*** 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

- The TSM will apply the results or strategies for objectives 1.10.1.1, 1.10.1.2, 1.11.1.2, 1.12.1.1, 1.13.1, 1.13.2.1, 1.13.2.2, 1.13.2.3, 1.13.4.1, 1.13.5.1, 1.13.6.1 and 1.13.8.1.
- 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.

#	Objective	Source
1.10.1.9	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)
FDU		
All		
Result or Strategy		
• The TSM will apply the results or strategies for objective 1.10.1.1.		

#	Objective	Source
1.10.1.10	Road crossings of wetlands and riparian areas should be as limited as possible, to manage for moose.	CCLUP (p.155-156) (Moose)
FDU		
All		
Result or Strategy		
• The TSM will apply the results or strategies for objective 1.10.1.1. • Road crossings of wetlands will be limited to cases where it is the only practicable option.		

#	Objective	Source
1.10.1.11	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)
FDU		
All		
Result or Strategy		
• The TSM will apply the results or strategies for objective 1.10.1.1.		

#	Objective	Source
1.10.1.12	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)
FDU		
Canim; Rail; Gustafson; Loon; Bonaparte		
Result or Strategy		
• The TSM will apply the results or strategies for objective 1.10.1.1.		

#	Objective	Source
1.10.1.13	Within the context of the Land Use Plan and the resource targets the following is of particular importance in the IRMZ: • Application of the FPC and relevant guidelines including Biodiversity, **Riparian**, and Wildlife Habitat	CCLUP (p.163) (Integrated Management Zone Strategy)
FDU		
Grasslands; Clinton		
Result or Strategy		
• The TSM will apply the results or strategies for objective 1.10.1.1.		

#	Objective	Source
1.10.1.14 ***FDU*** 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 • The TSM will apply the results or strategies for objectives 1.9.2.1, 1.9.2.2, 1.9.2.3, 1.9.2.4 and 1.10.1.1. • The remainder of the objective is covered elsewhere.		

1.11 Biodiversity Objectives

1.11.1 Landscape Level Biodiversity

#	Objective	Source
1.11.1.1 ***FDU*** 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 • The TSM will comply with the practice requirements as outlined in FPPR sections 64 and 65.		

#	Objective	Source
1.11.1.2 ***FDU*** 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) CCLUP LUO 5, 8 - 11

Result or Strategy

- The TSM commits to maintaining as no-harvest area the permanent OGMA-static, permanent OGMA-rotating, and transition OGMAs as identified in the CCLUP LUO except where:
    a) Harvesting and road-building are permitted in permanent OGMA-static or permanent OGMA-rotating for any of the following reasons:
        - Harvesting incursions of 10 hectares or less that better align OGMA boundaries with intended geographic features,
        - Where harvesting is essential for insect control to curtail severe damage to forest values at the landscape level in a beetle management unit classified as suppression for that insect pest,
        - Road and fence construction where no other practicable location is available,
        - Thinning from below to enhance old forest attributes in OGMAs located within Mule Deer Winter Range in the shallow and moderate snowpack zones,
        - Reduction of fine surface debris, ladder fuels and small diameter trees in intermediate and overtopped crown classes within interface fire management plan areas, where that does not diminish old growth characteristics.
        - Where permanent-rotating OGMAs have
            i. Mature conifer mortality exceeding 50% by basal area >17.5cm DBH or,
            ii. Stand age exceeding 200 years for stands with 70% or greater Lodgepole Pine by basal area >17.5cm DBH.
    b) Primary forestry activities are permitted in transition old growth management areas for any of the following reason:
        - Harvesting incursions of 10 hectares or less that better align OGMA boundaries with intended geographic features,
        - Where harvesting is essential for insect control to curtail severe damage to forest values at the landscape level in a beetle management unit classified as suppression for that insect pest,
        - Road and fence construction where no other practicable location is available,
        - Thinning from below to enhance old forest attributes in OGMAs located within Mule Deer Winter Range in the shallow and moderate snowpack zones,
        - Reduction of fine surface debris, ladder fuels and small diameter trees in intermediate and overtopped crown classes within interface fire management plan areas, where that does not diminish old growth characteristics.
        - Equivalent old forest exists in locations contributing to the permanent OGMA target in the same LU-BEC unit
        - Conifer mortality exceeds 50% of the stand basal area in the transition OGMA
- The TSM will report harvesting or road building within OGMAs to appropriate agencies upon completion.
- THE TSM will manage biodiversity in accordance with the landscape units and biodiversity

emphasis outlined in the CCLUP LUO.

- 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.

#	Objective	Source
1.11.1.3	Within LUs, manage SRDZs, ERDZs, and IRMZs in conjunction with Protected Areas, so as to maintain representational values.	CCLUP (p.61-91)
FDU		
All		

Result or Strategy

- The TSM will apply the results or strategies for objective 1.11.1.2.

#	Objective	Source
1.11.1.4	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)
FDU		
All		

Result or Strategy

- For this objective, polygon is analogous to FDU.
- The TSM will apply the results or strategies for objectives 1.13.1 and 1.13.6.1.

#	Objective	Source
1.11.1.5	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)
FDU		
Boss/ Deception; Flat Lake; Interlakes; Lang Lake/ Schoolhouse; Marble Range		

Result or Strategy

- The TSM will apply the results or strategies for objectives 1.10.1.1, 1.11.1.2, 1.11.2.1, 1.12.2.2, 1.12.2.3, 1.12.2.4, 1.12.2.5, 1.12.2.6, 1.13.2.1, 1.13.3.1, 1.13.3.2, and 1.14.1 through 1.14.13.
- 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.

#	Objective	Source
1.11.1.6	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)
FDU		
Grasslands		

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 IDFxw).
- 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 1.13.3.1.
- The TSM will not construct permanent access structures in grassland habitats, unless there are no feasible alternatives.

#	Objective	Source
1.11.1.7	To implement silvicultural practices that facilitate restoration of open grassland condition when harvesting forest in the grassland benchmark area.	CCLUP LUO 25
FDU		
Bonaparte, Clinton, Grasslands,Gustafson, Interlakes, Loon, Marble, Rail		

Result or Strategy

- When harvesting within the grassland benchmark area identified in the CCLUP LUO, the TSM will implement practices that facilitate restoration of open grassland condition and will:
    - Not attempt to reforest the area;
    - Retain all live conifer stems greater than 65cm dbh except where they contain active bark beetle, have been damaged by fire and are unlikely to survive, or require felling due to safety concerns;
    - Retain 1-4 live conifer stems >12.5cm dbh per each stem >65cm dbh retained for recruitment into large diameter trees valuable for wildlife trees.

#	Objective	Source
1.11.1.8	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)
FDU		
All (Grasslands)		

Result or Strategy

- The TSM will apply the results or strategies for objective 1.10.1.1.
- In the Grasslands FDU, the TSM will also apply the results or strategies for objective 1.12.2.7.

1.11.2 Stand Level Biodiversity

#	*Objective*	*Source*
1.11.2.1	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 CCLUP LUO 6, 7
FDU		
All		

Result or Strategy

- Where harvesting removes ≥50 percent of the pre-harvest stand basal area or where the harvest is part of a shelterwood silvicultural system, the TSM commits to meet or exceed the minimum areas for wildlife tree retention for each harvest area (cutblock or TSL) as set out in Appendix C, Table 14.
- Where practicable, in partially cut stands, where harvesting removes <50 percent of the pre-harvest basal area, the TSM commits to retain high-value wildlife trees up to the limits in Appendix C, Table 14.
- 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.

#	*Objective*	*Source*
1.11.2.2	Inventory and manage for rare limestone plant associations.	CCLUP (p.77)
FDU		
Marble Range		

Result or Strategy

- 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:
    - 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

#	*Objective*	*Source*
1.12.1.1	Manage established recreation sites and trails in accordance with established objectives.	FRPA section 181 CCLUP LUO 30, 31
FDU		
All		

Result or Strategy

- 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:
    - 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.
- For buffered trails, the TSM will maintain 50 meter management zones on either side, with the treed area inside the management zones managed to the combined minimum basal area retention of 85 percent, except where:
    - Roads cross trails,
    - Harvesting is essential for insect control to curtail severe damage to forest values at the landscape level in a beetle management unit classified as suppression for that insect pest,

- Harvesting is necessary to manage for blowdown where that helps to maintain the recreational value of the trail.

#	Objective	Source
1.12.1.2 ***FDU*** 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

- The TSM will apply the results or strategies for objectives 1.12.1.1, 1.12.2.2 to 1.12.2.12, 1.13.3.1 and 1.17.1.

1.12.2 Tourism

#	Objective	Source
1.12.2.1 ***FDU*** 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

- 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 from those parties will be recorded, evaluated and incorporated into site specific plans where practicable.

#	Objective	Source
1.12.2.2 ***FDU*** 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

- The TSM will apply the results or strategies for objective 1.12.2.1, 1.14.14, 1.17.4.
- 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.

#	Objective	Source
1.12.2.3 ***FDU*** 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 1.10.1.1 and 1.17.3.
- 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.

#	Objective	Source
1.12.2.4 ***FDU*** 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 1.13.3.1.
- 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.

#	Objective	Source
1.12.2.5 ***FDU*** 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 1.13.3.1, 1.17.6 and 1.17.8.
- 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.

#	Objective	Source
1.12.2.6	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)
FDU		
Marble Range		

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 IDFxw).
- The TSM will apply the results and strategies for objective 1.13.3.1.
- 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.

#	Objective	Source
1.12.2.7	Maintain 10% of the area in a backcountry condition, along the Chilcotin and Fraser Rivers.	CCLUP (p.102)
FDU		
Grasslands		

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 IDFxw).
- The TSM will apply the results and strategies for objective 1.13.3.1.
- The TSM will not construct permanent access within the RMZ or the LMZ of classified lakes, unless there are no practicable alternatives.

#	Objective	Source
1.12.2.8	Maintain 3% of the area in a backcountry condition, in the area of Big Timothy Mountain and around key lakes.	CCLUP (p.120)
FDU		
Canim		

Result or Strategy

- The TSM will apply the results and strategies for objective 1.13.3.1.
- 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.

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

Result or Strategy

- The TSM will apply the results and strategies for objective 1.13.3.1.
- 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.

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

Result or Strategy

- The TSM will apply the results and strategies for objective 1.13.3.1.
- 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.

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

Result or Strategy

- The TSM will apply the results and strategies for objective 1.13.3.1.
- 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.

#	Objective	Source
1.12.2.12 ***FDU*** Bonaparte	Maintain 4% of the area in a backcountry condition, adjacent to key lakes.	CCLUP (p.128)

Result or Strategy

- The TSM will apply the results and strategies for objective 1.13.3.1.
- 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 three sources:

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

#	Objective	Source
1.13.1 ***FDU*** All	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: 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

- The TSM will apply the results or strategies for objectives 1.10.1.1 through 1.11.2.2, and objectives 1.13.2.1 through 1.13.8.1.
- The TSM will consult with Ministry of Environment on regionally important wildlife or habitat issues.

1.13.1 Fish

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

Result or Strategy

- The TSM will apply the results or strategies for objective 1.10.1.1.
- 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.

#	Objective	Source
1.13.1.2	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)
FDU		
Flat Lake; Interlakes; Gustafson; Loon; Bonaparte; Marble Range; Clinton		

Result or Strategy

- The TSM will apply the results or strategies for objective 1.10.1.1.
- 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.

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

Result or Strategy

- The TSM will apply the results or strategies for objectives 1.10.1.1 and 1.12.2.7.
- 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.

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

Result or Strategy

- The TSM will apply the results or strategies for objectives 1.12.2.2 and 1.14.2. 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

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

Result or Strategy

- The TSM will apply the results or strategies for objectives 1.12.2.4 and 1.14.4. These lakes include the following:
  - Apollo Lake #7540
  - Tobe Lake #9396
  - 2 unnamed lakes #9435 and #9462

#	Objective	Source
1.13.1.6	To manage 1 lake as a quality lake for wilderness fisheries, and as a priority area for Lake Management Planning.	CCLUP (p.73)
FDU		
Lang Lake/ Schoolhouse		

Result or Strategy

- The TSM will apply results or strategies for objectives 1.12.2.5 and 1.14.5, for the following lake:
  - Unnamed lake #5347

#	Objective	Source
1.13.1.7	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)
FDU		
Canim		

Result or Strategy

- The TSM will apply the results or strategies for objectives 1.12.2.8 and 1.14.9. These lakes include the following within the area of the plan:
    - 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

#	Objective	Source
1.13.1.8	Maintain critical habitat for fish as no-harvest areas.	CCLUP LUO 12, 13
FDU		
All		

Result or Strategy

- The TSM will maintain critical habitat for fish as no-harvest areas except under the following circumstances:
    - Where harvesting is essential for insect control to curtail severe damage to forest values at the landscape level in a beetle management unit classified as suppression for that insect pest;
    - Road and fence construction where there is no other practicable location available.

1.13.2 Caribou

#	Objective	Source
1.13.2.1	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)
FDU		
Boss/ Deception; Canim		

Result or Strategy

- The TSM will follow general wildlife measures (GWM) for established WHAs 5-115, 5-116 and 5-117, pertaining to mountain caribou management.

#	Objective	Source
1.13.2.2	The overriding objective is to maintain habitat values for mountain caribou within the Cariboo Region.	CCLUP (p.156-157) (Mountain Caribou Management Strategy)
FDU		
Boss/Deception; Canim		
Result or Strategy		
• The TSM will apply the results or strategies for objective 1.13.2.1.		

#	Objective	Source
1.13.2.3	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)
FDU		
Boss/Deception Canim		
Result or Strategy		
• The TSM will apply the results or strategies for objective 1.13.2.1.		

1.13.3 Mule Deer

#	Objective	Source
1.13.3.1	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)
FDU		
All		
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.		

#	Objective	Source
1.13.3.2	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)
FDU		
All		
Result or Strategy		
▪ The TSM will apply the results or strategies for objective 1.13.3.1.		

1.13.4 Moose

#	Objective	Source
1.13.4.1 ***FDU*** 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 1.10.1.1 and 1.11.1.2.

#	Objective	Source
1.13.4.2 ***FDU*** All	To manage forested buffers around wetland and riparian areas.	CCLUP (p.155) (Moose) CCLUP LUO 32

Result or Strategy

- The TSM will apply the results or strategies for objectives 1.10.1.1, 1.11.1.2, and 1.11.1.5.
- The TSM will retain sufficient vegetation to provide security and thermal cover for wintering moose adjacent to high value wetlands as identified in the CCLUP LUO, and adjacent to W1, W3 or W5 wetlands, including shrub-carrs. Features of moose security and thermal cover include:
    - Patches of coniferous stands of height equal to or greater than 16m that provide snow interception and security cover;
    - Vegetation that provides visual screening.
- The TSM will retain features of security and thermal cover for wintering moose except where harvesting or road construction is required to:
    - Ensure safety in adjacent areas or the safety of users of adjacent roads;
    - Remove wind-thrown timber and/or timber under attack, or has been impacted by forest pests or damaged by fire,
    - Provide the only practicable access to adjacent areas to preserve the timber harvesting opportunities.

#	Objective	Source
1.13.4.3 ***FDU*** 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

- The TSM will apply the results or strategies for objectives 1.10.1.1, 1.11.1.2, 1.13.4.2, 1.17.4, 1.17.6 and 1.17.7.
- 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.

#	*Objective*	*Source*
1.13.4.4	To manage upland habitat to provide winter habitat for moose.	CCLUP (p.155) (Moose)
FDU		
Canim		
Result or Strategy		
• The TSM will apply the results or strategies for objective 1.11.1.2.		

1.13.5 Furbearers

#	*Objective*	*Source*
1.13.5.1	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)
FDU		
All		
Result or Strategy		
• The TSM will apply the results or strategies for objectives 1.10.1.1 and 1.11.1.2.		

1.13.6 Species at Risk

#	*Objective*	*Source*
1.13.6.1	To manage for species at risk and other sensitive habitats.	CCLUP (p. 60-133)
FDU		
All		

Result or Strategy

- 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:
    - refers to that species in the *Accounts and Measures for Managing Identified Wildlife* (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 retention areas.
    - 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 1.13.1 and 1.13.3.1.
- 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

#	*Objective*	*Source*
1.13.7.1 ***FDU*** 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

- The TSM will apply the results and strategies for objectives 1.10.1.1, 1.11.1.2, 1.11.2.2 and 1.13.3.1.
- The TSM will consult Ministry of Environment's *Accounts and Measures for Managing Identified Wildlife* (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

#	*Objective*	*Source*
1.13.8.1 ***FDU*** 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

- The TSM will apply the results and strategies for objectives 1.10.1.1, 1.11.1.2, 1.11.1.4, 1.17.4 and 1.17.5.
- The TSM will consult Ministry of Environment's *Accounts and Measures for Managing Identified Wildlife* (2004) and/or other pertinent information for guidance. Measures will be incorporated into site specific plans where practicable.
- 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.

#	Objective	Source
1.13.8.2 ***FDU*** Boss/Deception, Rail, Interlakes, Canim,	Retain security cover adjacent to critical grizzly bear foraging habitats which include salmon and trout spawning reaches or shoals, and herb-dominated avalanche track and run-out zones on southerly and westerly aspects, in very high, high and moderate capability grizzly bear units.	CCLUP LUO 33

Result or Strategy

- The TSM will consult the Ministry of Environment's *Accounts and Measures for Managing Identified Wildlife* (2004) and/or other pertinent information for guidance on the management for grizzly bear. Measures will be incorporated into site specific plans where practicable.
- The TSM will retain windfirm visual screening along roadways within very high, high and moderate capability grizzly bear units where practicable.
- The TSM will maintain an average 50m buffer when harvesting adjacent to critical grizzly bear foraging in very high, high and moderate capability grizzly bear units.

#	Objective	Source
1.13.8.3 ***FDU*** Boss/Deception, Rail, Interlakes, Canim,	Conduct silvicultural treatments on cutblocks to retain as much existing natural berry production as practicable in very high, high and moderate capability grizzly bear units.	CCLUP LUO 34

Result or Strategy

- Where broadcast application of herbicides is used, 40 percent or more of the naturally occurring, berry-producing shrubs will be retained.
- The TSM will use minimum stocking standards and reduce minimum inter-tree distance (cluster planting) to enhance forage production where practicable.
- Where site preparation and vegetation management is required, 40 percent or more of the naturally occurring, berry-producing shrubs will be retained.

1.14 Visual Objectives

#	***Objective***	***Source***

1.14.1
FDU
All
	The objective set by government in relation to visual quality for a scenic area, that
	• 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
	  • 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
		CCLUP LUO 26, 27

Result or Strategy

- The TSM will maintain the visual quality objectives for scenic areas as shown defined in the CCLUP LUO except where:

  (a) Harvesting is essential for insect control to curtail severe damage to forest values at the landscape level in a Beetle Management Unit (BMU) classified as suppression for that insect pest.

#	***Objective***	***Source***
1.14.2 ***FDU*** 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 1.10.1.1.
- 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.
- Professionals preparing site specific plans on behalf of the TSM will consider and incorporate the above information into plans where practicable.
- Professionals preparing site specific plans on behalf of the TSM will consider and apply visual landscape design principles

#	Objective	Source
1.14.3 ***FDU*** 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 1.10.1.1.
- 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.
- Professionals preparing site specific plans on behalf of the TSM will consider and incorporate the above information into plans where practicable.
- Professionals preparing site specific plans on behalf of the TSM will consider and apply visual landscape design principles

#	Objective	Source
1.14.4 ***FDU*** 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 1.10.1.1.
- 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.
- Professionals preparing site specific plans on behalf of the TSM will consider and incorporate the above information into plans where practicable.
- Professionals preparing site specific plans on behalf of the TSM will consider and apply visual landscape design principles

#	Objective	Source
1.14.5 ***FDU*** 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 1.10.1.1, 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.
- Professionals preparing site specific plans on behalf of the TSM will consider and incorporate the

above information into plans where practicable.

- Professionals preparing site specific plans on behalf of the TSM will consider and apply visual landscape design principles

#	Objective	Source
1.14.6 ***FDU*** 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 1.12.2.7 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.
- Professionals preparing site specific plans on behalf of the TSM will consider and incorporate the above information into plans where practicable.
- Professionals preparing site specific plans on behalf of the TSM will consider and apply visual landscape design principles

#	Objective	Source
1.14.7 ***FDU*** 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 1.12.2.7.
- The TSM will apply the results or strategies for objective 1.11.1.2, 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.
- Professionals preparing site specific plans on behalf of the TSM will consider and incorporate the above information into plans where practicable.
- Professionals preparing site specific plans on behalf of the TSM will consider and apply visual landscape design principles

#	Objective	Source
1.14.8	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)
FDU		
Clinton		

Result or Strategy

- The TSM will apply the results and strategies for objectives 1.13.3.1 and 1.13.3.2.
- The TSM will apply the results or strategies for objective 1.11.1.2, 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.
- Professionals preparing site specific plans on behalf of the TSM will consider and incorporate the above information into plans where practicable.
- Professionals preparing site specific plans on behalf of the TSM will consider and apply visual landscape design principles

#	Objective	Source
1.14.9	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)
FDU		
Canim		

Result or Strategy

- The TSM will apply the results and strategies for objective 1.10.1.1.
- The TSM will apply the results or strategies for objective 1.11.1.2, 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.
- Professionals preparing site specific plans on behalf of the TSM will consider and incorporate the above information into plans where practicable.
- Professionals preparing site specific plans on behalf of the TSM will consider and apply visual landscape design principles

#	Objective	Source
1.14.10	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)
FDU		
Rail		

Result or Strategy

- The TSM will apply the results and strategies for objective 1.10.1.1.
- The TSM will apply the results or strategies for objective 1.11.1.2, 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.
- Professionals preparing site specific plans on behalf of the TSM will consider and incorporate the above information into plans where practicable.
- Professionals preparing site specific plans on behalf of the TSM will consider and apply visual landscape design principles

#	Objective	Source
1.14.11	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)
FDU		
Gustafson		

Result or Strategy

- The TSM will apply the results and strategies for objectives 1.10.1.1, 1.13.3.1 and 1.13.3.2.
- The TSM will apply the results or strategies for objective 1.11.1.2, 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.
- Professionals preparing site specific plans on behalf of the TSM will consider and incorporate the above information into plans where practicable.
- Professionals preparing site specific plans on behalf of the TSM will consider and apply visual landscape design principles

#	Objective	Source
1.14.12	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)
FDU		
Loon		

Result or Strategy

- The TSM will apply the results and strategies for objectives 1.10.1.1, 1.13.3.1 and 1.13.3.2.
- 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.
- Professionals preparing site specific plans on behalf of the TSM will consider and incorporate the above information into plans where practicable.
- Professionals preparing site specific plans on behalf of the TSM will consider and apply visual landscape design principles

#	Objective	Source
1.14.13 ***FDU*** 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 1.10.1.1.
- 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.
- Professionals preparing site specific plans on behalf of the TSM will consider and incorporate the above information into plans where practicable.
- Professionals preparing site specific plans on behalf of the TSM will consider and apply visual landscape design principles

#	Objective	Source
1.14.14 ***FDU*** 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 1.14.1 through 1.14.13.
- Where impacts due to the TSM's forest practice must be rehabilitated to mimimize visual impact, the TSM will ensure that:
    - a free growing stand is met within the required time frame
    - where the impacts are from unsightly roads identified in a visual impact assessment, 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.

#	Objective	Source
1.14.15 ***FDU*** 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.

#	Objective	Source
1.14.16	Manage high elevation viewscapes by designing harvest openings to reflect existing natural openings, vegetation patterns, and natural features when viewed from the high elevation viewpoints	CCLUP LUO 29
FDU		
All		

Result or Strategy

- The TSM will design harvest areas to mimic existing natural openings, vegetation patterns, and natural features when viewed from the high elevation viewpoints as identified in the CCLUP LUO and as listed below:
  - Mount Timothy
  - Snowshoe Plateau (Yanks Peak)
  - Teapot
  - Boss and Deception Mountains
  - Eureka Peak
  - Browntop Mountain
  - Mount Stevenson
  - Three Ladies
  - Roaring Peaks - Ogden

#	Objective	Source
1.14.17	Manage forest harvesting within scenic corridors to mimic the existing natural openings, vegetation patterns and natural features.	CCLUP LUO
FDU		
All		

Result or Strategy

- The TSM will ensure that harvest areas within scenic corridors identified in the CCLUP LUO are designed to mimic existing natural openings, vegetation patterns and natural features.

1.15 Cultural Heritage Objectives

#	Objective	Source
1.15.1	The objective set by government for cultural heritage resources is to conserve, or, if necessary, protect cultural heritage resources that are • 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
FDU		
All		

Result or Strategy

Definitions 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:

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

Measures

- TSM will:
  - 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.
- 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

#	*Requirement*	*Source*
1.16.2.1 ***FDU*** 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

<u>Definitions</u>

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

<u>Approach to Harvesting and Roads</u>

- The measures for the purposes of preventing the introduction or spread of prescribed species of invasive plants are:
  - 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

#	*Objective*	*Source*
1.16.3.1	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)
FDU		
All		

Result or Strategy

- TSM will:
    - consult with Range program staff at the MoFR regarding range related concerns
    - 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 1.16.1.1, 1.16.2.1 and 1.16.3.2.

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

Result or Strategy

- The TSM will seek information from 100 Mile House MoFR range staff and/or MOE staff 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.

#	Objective	Source
1.16.3.3	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)
FDU		
All		

Result or Strategy

- The TSM will apply the results and strategies for objectives 1.16.1.1, 1.16.2.1 and 1.16.3.1.
- Where government or a grazing tenure holder shows the TSM that one or more of the following conditions is present:
    - the AUM level for the polygon (the FDU) indicated in the *CCLUP 90-Day Implementation Process Final Report* (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;

  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.
- The authorized levels of AUM's from the 90-Day Report are listed in Table 8.

Table 8. 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***
1.17.1	Maintain roaded access to the percentages of the FDUs as listed in table 9.	CCLUP (p.60-133)

Table 9. 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

- The TSM will, in accordance with legislation and this FSP, develop roads to facilitate timber harvesting.

#	***Objective***	***Source***
1.17.2	Access management planning will restrict permanent road access in 80% of this FDU.	CCLUP (p.60)
FDU		
Boss/Deception		

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.

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

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.

#	Objective	Source
1.17.4	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)
FDU		
Boss/Deception		

Result or Strategy

- The TSM will apply the results and strategies for objectives 1.13.2.1, 1.17.2 and 1.17.8.

#	Objective	Source
1.17.5	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)
FDU		
Flat Lake		

Result or Strategy

- The TSM will apply the results and strategies for objective 1.10.1.1 and 1.17.3.

#	Objective	Source
1.17.6	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)
FDU		
Lang Lake/Schoolhouse		

Result or Strategy

- The TSM will apply the results and strategies for objectives 1.13.3.1 and 1.17.8.
- 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.

#	Objective	Source
1.17.7	To maintain access to 100% of the polygon as walk-in off close permanent roads.	CCLUP (p.66)
FDU		
Flat Lake		
Result or Strategy		
• The TSM will apply the results and strategies for objective 1.17.5.		

#	Objective	Source
1.17.8	Coordinate use of any temporary access from forest industry development or mineral exploration.	CCLUP (p.60, 72)
FDU		
Boss/Deception, Lang Lake/Schoolhouse		
Result or Strategy		
• 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
1.18.1	Achieve the timber targets on the entire productive forest landbase within each subunit, as listed in table 10.	CCLUP (p.60-133)

Table 10. 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

- The TSM will apply the apply the results and strategies found in the following sections of this FSP: 1.10.1, 1.11.2, 1.13, 1.14, 1.17
- 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

#	***Objective***	***Source***
1.19.1	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)
FDU		
Boss Deception, Flat Lake, Lang Lake/Schoolhouse, Interlakes, Marble Range		

Result or Strategy

- The TSM will consider all silviculture system options in site specific plans in FDUs that are in the SRDZ and will apply a variety of silvicultural systems where practicable.

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 Inter-Tree Distance

Despite the distance specified in the stocking standards tables, the minimum inter-tree distance may be reduced on hydric and subhydric sites to allow for micro-site selection. Minimum inter-tree distance can be reduced on mechanically site prepared sites where target planting density is at least 20% greater than TSS.

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, 2011/10 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 countable 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 and Mixed Stands

Broadleaf species will be utilized in stocking standards for mixed stands. The only commercially acceptable broadleaf species will be aspen. Mixed stand management must only occur on sites where aspen is shown as a productive, reliable and feasible regeneration option. The post-harvest, regenerated conifer composition must be representative of the pre-harvest stand composition.

1.21 A-2 TABLES

Table 11. Stocking Standards for Even-aged Stands.

Stocking ID	BEC suzone	Site Series	Pref.	Accept.	Broad leaf	TSS	MSSpa	MSSp	Regen delay	Free growing	species	FG Height (m)
1020898	**ESSFdc2**	01	Pl Se	Bl		1200	700	600	4	20	Pl	1.6
											Others	0.8
-		02*	Pl[52]	Bl[13] Se		-	-	-	-	-	-	-
1020899		03	Pl	Bl[13] Pa[9,17] Se		1000	500	400	7	20	Pl	1.2
											Others	0.6
1020900		04	Pl	Bl[13] Se		1000	500	400	7	20	Pl	1.2
											Others	0.6
1020901		05	Pl Se	Bl[10,13]		1000	500	400	7	20	Pl	1.2
											Others	0.6
1020902		06	Pl Se	Bl		1200	700	600	4	20	Pl	1.6
											Others	0.8
1020903		07	Pl Se[32]	Bl		1200	700	600	4	20	Pl	1.6
											Others	0.8
1020904		08	Pl[1] Se[1,32]	Bl[1,32]		1000	500	400	4	20	Pl	1.2
											Others	0.6
-		09	non-forested			-	-	-	-	-	-	-
1020905	**ESSFwc3**	01	Bl Se	Pl[34]		1200	700	600	4	20	Pl	1.6
											Others	0.8
1020906		02	Bl Se Pl[34]			1000	500	400	7	20	Pl	1.2
											Others	0.6
1020907		03*	Bl[1,32,34] Se[1,32,34]			600	400	400	7	20	All	0.6
1020908	**ESSFwk1**	01	Bl Se Pl[34]			1200	700	600	4	20	Pl	2.0
											Others	1.0

Stocking ID	BEC suzone	Site Series	Pref.	Accept.	Broad leaf	TSS	MSSpa	MSSp	Regen delay	Free growing	species	FG Height (m)
1020988		02*	Bl Pl Se			1000	500	400	7	20	Pl	1.4
											Others	0.8
1020990		03	Pl[34] Se	Bl		1200	700	600	4	20	Pl	2.0
											Others	1.0
1020991		04	Bl[32]Se[32]	Pl[34]		1200	700	600	4	20	Pl	2.0
											Others	1.0
1021004		05	Bl Se	Pl[34]		1200	700	600	4	20	Pl	2.0
											Others	1.0
1021005		06	Bl[1,32] Se[1,32]			1000	500	400	4	20	All	0.8
1021006		07	Bl[1,32]Se[1,32]			1000	500	400	4	20	All	0.8
1021007	**ESSFxc**	01	Pl Se[32]	Bl[10,13]		1200	700	600	4	20	Pl	1.6
											Others	0.8
1021008		02	Pl	Bl[13] Se		600	400	400	7	20	Pl	1.2
											Others	0.6
-		03	non-forested			-	-	-	-	-	-	-
-		04	non-forested			-	-	-	-	-	-	-
1021009		05	Pl	Bl[13] Se		1000	500	400	7	20	Pl	1.2
											Others	0.6
1021033		06	Pl Se	Bl[13]		1200	700	600	7	20	Pl	1.6
											Others	0.8
1021034		07	Pl Se[32]	Bl[32]		1200	700	600	4	20	Pl	1.6
											Others	0.8
1021035		08	Pl[1] Se[1,32]	Bl[1,32]		1000	500	400	4	20	Pl	1.2
											Others	0.6
-		09	non-forested			-	-	-	-	-	-	-
-		10	non-forested			-	-	-	-	-	-	-
1021036	**ICHdk**	01	Fd Pl Sx	Bl Cw[37]	At[a] Ep[a]	1200	700	600	4	20	Pl	2.0
											Fd	1.4
											Others	1.0
1021037		02	Fd[28] Pl	Cw[28,37,53] Sx[28]	At[b]	1000	500	400	7	20	Pl	1.4
											Fd	1.0

Stocking ID	BEC suzone	Site Series	Pref.	Accept.	Broad leaf	TSS	MSSpa	MSSp	Regen delay	Free growing	species	FG Height (m)
											Others	0.8
1021038		03	Fd[28] Pl	Cw[28,37,53] Sx[28,53]	At[b]	1200	700	600	7	20	Pl	2.0
											Fd	1.4
											Others	1.0
1021039		04	Fd Pl Sx[28]	Cw[28,37,53] Bl[28]	At[a] Ep[a]	1200	700	600	4	20	Pl	2.0
											Fd	1.4
											Others	1.0
1021040		05	Fd Pl Sx	Bl Cw[37]	Act[a] At[a] Ep[a]	1200	700	600	4	20	Pl	2.0
											Fd	1.4
											Others	1.0
1021041		06	Fd Pl Sx	Bl Cw[37]	Act[a] At[a] Ep[a]	1200	700	600	4	20	Pl	2.0
											Fd	1.4
											Others	1.0
1021042		07	Fd[1,32] Pl Sx	Bl	Act[a] At[b]	1200	700	600	4	20	Pl	2.0
											Fd	1.4
											Others	1.0
1021043		08	Fd[32] Sx	Bl Cw[32,37] Pl	Act[a] At[a] Ep[a]	1000	500	400	4	20	Pl	1.4
											Fd	1.0
											Others	0.8
1021044		09	Sx[32]	Bl[32] Pl	Act[a]	1000	500	400	4	20	Pl	1.4
											Others	0.8
1021045	**ICHmk3**	01	Fd Pl Sx	Bl Cw[37]	Act[a] At[a] Ep[a]	1200	700	600	4	20	Pl	2.0
											Fd	1.4
											Others	1.0
1021046		02*	Fd Pl	Sx[28]	At[b]	1000	500	400	7	20	Pl	1.4
											Fd	1.0
											Others	0.8
1021047		03	Fd Pl	Cw[28] Sx[28]	At[b]	1000	500	400	7	20	Pl	1.4
											Fd	1.0
											Others	0.8
1021048		04	Fd[32] Sx	Bl Cw[32,37] Pl	Act[a] At[a] Ep[a]	1200	700	600	4	20	Pl	2.0
											Fd	1.4

Stocking ID	BEC suzone	Site Series	Pref.	Accept.	Broad leaf	TSS	MSSpa	MSSp	Regen delay	Free growing	species	FG Height (m)
											Others	1.0
1021049		05	Sx[32] Pl	Cw[32,37] Bl[32]	Act[a] At[b]	1200	700	600	4	20	Pl	2.0
											Others	1.0
1021050		06	Fd[32,34] Sx[34] Cw[32,34,37]	Bl[34] Pl[34]	Act[a] At[b] Ep[a]	1200	700	600	4	20	Pl	2.0
											Fd	1.4
											Others	1.0
1021051		07	Sx[1,32] Cw[1,32,37]	Bl[1,32] Pl[1]	Act[a]	1000	500	400	4	20	Pl	1.4
											Others	0.8
1021052	**ICHmw3**	01	Fd Sx[10,13]	Pl Cw[10,13]	Act[b] At[a] Ep[a]	1200	700	600	4	20	Pl, Pw	2.0
											Lw	2.0
											Fd	1.4
											Others	1.0
1021053		01-YC	Fd Sx[10,13]	Pl Cw[10,13]	Act[b] At[a] Ep[a]	1200	700	600	4	20	Pl, Pw	2.0
											Lw	2.0
											Fd	1.4
											Others	1.0
1021054		02	Fd Pl	Cw[10,13]	Ep[b]	1000	500	400	7	20	Pl, Pw	1.4
											Fd	1.0
											Others	0.8
1021055		03	Fd[32] Pl	Cw[10,13] Hw Sx[10,13]	At[53,a] Ep[53,a]	1000	500	400	7	20	Pl, Pw	1.4
											Lw	1.4
											Fd	1.0
											Others	0.8
1021056		04	Fd Pl	Cw[10,13] Sx[10,13]	At[a] Ep[a]	1200	700	600	7	20	Pl, Pw	2.0
											Lw	2.0
											Fd	1.4
											Others	1.0
1021057		05	Fd Sx[10,13]	Bl[10,13] Hw[10,13] Pl Cw[10,13]	Act[b] At[a] Ep[a]	1200	700	600	7	20	Pl, Pw	2.0
											Lw	2.0
											Fd	1.4
											Others	1.0
1021058		06	Cw Fd[14] Hw Sx	Bl[10,13] Pl	Act[a] At[a] Ep[a]	1200	700	600	4	20	Pl, Pw	2.0

Stocking ID	BEC suzone	Site Series	Pref.	Accept.	Broad leaf	TSS	MSSpa	MSSp	Regen delay	Free growing	species	FG Height (m)
											Lw	2.0
											Fd	1.4
											Others	1.0
1021059		07	Cw[32] Sx Fd[1,32]	Bl Hw[32] Pl	Act[a] At[a] Ep[a]	1200	700	600	4	20	Pl, Pw	2.0
											Lw	2.0
											Fd	1.4
											Others	1.0
1021060		08	Cw[1,32] Pl[1] Sx[1] Hw[1,32]	Bl[1]	Act[a] At[b] Ep[b]	1000	500	400	4	20	Pl	1.4
											Others	0.8
-		09	non-forested			-	-	-	-	-	-	-
1021061	**IDFdk1**	01	Fd[32] Pl	Sx[10,13]	At[a]	1000	500	400	7	20	Pl	1.0
											Lw	1.0
											Fd	0.8
											Sx	0.6
											Py	0.6
1021062		02	Fd[27]		At[b]	600	400	400	7	20	Pl	1.0
											Fd	0.8
											Py	0.6
1021063		03	Fd Pl		At[b]	600	400	400	7	20	Pl	1.0
											Fd	0.8
											Py	0.6
1021064		04	Fd Pl	Sx[10,13]	At[b]	1000	500	400	7	20	Pl	1.0
											Fd	0.8
											Others	0.6
1021065		05	Fd[9,14,32] Sx	Pl	Act[a] At[a] Ep[b]	1000	500	400	7	20	Pl, Lw	1.0
											Fd	0.8
											Others	0.6
1021066		06	Pl[1] Sx[1] Fd[1,32]		Act[a] At[a] Ep[b]	1000	500	400	4	20	Pl	1.0
											Fd	0.8
											Others	0.6
-		07	non-forested			-	-	-	-	-	-	-

Stocking ID	BEC suzone	Site Series	Pref.	Accept.	Broad leaf	TSS	MSSpa	MSSp	Regen delay	Free growing	species	FG Height (m)
1021067	**IDFdk3**	01	Fd[27,32] Pl	Sx[13,28]	At[a]	1200	700	600	7	20	Pl	1.4
											Fd	1.0
											Sx	0.8
1021068		02*	Fd[27,28] Pl			800	500	400	7	20	Pl	1.0
											Fd	0.8
1021069		03*	Fd[27,28] Pl[28]			800	500	400	7	20	Pl	1.0
											Fd	0.8
1021070		04	Fd[27,28] Pl[28]		At[b]	1000	500	400	7	20	Pl	1.0
											Fd	0.8
1021071		05	Fd[27] Pl		At[b]	1200	700	600	7	20	Pl	1.4
											Fd	1.0
1021072		06	Fd[27,28] Pl		At[b]	1200	700	600	7	20	Pl	1.4
											Fd	1.0
1021073		07	Fd[32] Pl Sx[28]		At[a] Ep[b]	1200	700	600	4	20	Pl	1.4
											Fd	1.0
											Sx	0.8
1021074		08	Fd[1,32] Pl Sx		Act[a] At[a] Ep[b]	1200	700	600	4	20	Pl	1.4
											Fd	1.0
											Sx	0.8
1021075		09	Sx[1,32]	Pl[1]	Act[a]	1000	500	400	4	20	Pl	1.0
											Sx	0.6
1021076	**IDFmw2**	01	Fd Pl	Cw[10,13] Sx[10,13]	At[a] Ep[a]	1200	700	600	7	20	Pl, Lw	1.6
											Fd	1.0
											Others	0.8
1021077		01-YC	Fd Pl	Cw[10,13] Sx[10,13]	At[a] Ep[a] Act[b]	1200	700	600	7	20	Pl, Lw	1.6
											Fd	1.0
											Others	0.8
1021078		01-YS	Fd Pl	Sx[10,13]	At[a] Ep[a]	1200	700	600	7	20	Pl, Lw	1.6
											Fd	1.0
											Sx	0.8
1021079		02	Fd[27]		At[b]	600	400	400	7	20	Pl	1.2
											Fd	0.8

Stocking ID	BEC suzone	Site Series	Pref.	Accept.	Broad leaf	TSS	MSSpa	MSSp	Regen delay	Free growing	species	FG Height (m)
											Py	0.6
1021080		03	Fd[14] Pl	Cw[10,13] Sx[10,13]	At[b] Ep[b]	1000	500	400	7	20	Pl, Lw	1.6
											Fd	1.0
											Others	0.8
1021081		04	Fd[32] Sx	Pl Cw[32,37]	Act[a] At[a] Ep[a]	1200	700	600	4	20	Pl, Lw	1.6
											Fd	1.0
											Others	0.8
1021082		05*	Sx[1] Pl[1]	Cw[1,32]	Act[a] At[b] Ep[b]	400	200	200	4	20	Pl	1.2
											Others	0.6
1021083	**IDFxm**	01a	Fd[27,28]		At[a]	1200	700	600	7	20	All	0.8
1021084		01b	Fd[27,28] Pl		At[a]	1200	700	600	7	20	All	0.8
1021085		02*	Fd[27,28]			1000	500	400	7	20	Fd	0.6
1021086		03	Fd[27,28] Pl			1000	500	400	7	20	Pl	0.8
											Fd	0.6
1021087		04	Fd[27,28]		At[b]	1000	500	400	7	20	Fd	0.6
1021088		05	Fd[27]		At[b]	1200	700	600	7	20	Fd	0.8
1021089		06	Fd[32]		At[a]	1200	700	600	7	20	Fd	0.8
		06	Fd[32]		At[a]	1200	700	600	7	20	Fd	0.8
1021090		07	Fd		At[a] Ep[a]	1200	700	600	7	20	Fd	0.8
1021091		08	Fd[32] Sx	Pl	Act[a] At[a]	1200	700	600	4	20	Fd, Sx	0.8
1021092		09	Pl[1] Sx[1]		Act[b] At[b]	1000	500	400	4	20	Pl	0.8
											Sx	0.6
1021093	**IDFxw**	01	Fd[27] Py		At[b]	1200	700	600	7	20	Fd, Py	0.8
1021094		02*	Fd[27,28] Py[28]			600	400	400	7	20	Fd, Py	0.6
1021095		03*	Fd[27,28] Py[28]			600	400	400	7	20	Fd, Py	0.6
1021096		04	Fd[27,28] Py[28]		At[b]	800	500	400	7	20	Fd, Py	0.6
1021097		05	Fd[27]		At[b]	1200	700	600	7	20	Fd	0.8
1021098		06	Fd Sx		Act[a] At[a] Ep[a]	1200	700	600	4	20	Fd, Sx	0.6
1021099		07	Fd Sx		Act[a] At[a] Ep[a]	1000	500	400	4	20	Fd, Sx	0.6

Stocking ID	BEC suzone	Site Series	Pref.	Accept.	Broad leaf	TSS	MSSpa	MSSp	Regen delay	Free growing	species	FG Height (m)
1021100	**MSxk**	01	Pl Fd[9,14,32] Sx[10,13]	Bl[10,13]	At[a]	1200	700	600	7	20	Pl	1.4
											Others	0.8
1021101		02	Pl Fd[9,14]	Bl[10,13]		1000	500	400	7	20	Pl	1.0
										20	Others	0.6
1021102		05	Pl Fd[9,14]	Bl[10,13] Sx[10,13]		1000	500	400	7	20	Pl	1.0
											Others	0.6
1021103		06	Pl Fd[9,14,32] Sx[10,13]	Bl[10,13]	At[a]	1200	700	600	7	20	Pl, Lw	1.4
											Others	0.8
1021104		07	Pl Fd[1,9,14,32] Sx	Bl[10,13]		1200	700	600	4	20	Pl	1.4
											Others	0.8
1021105		08	Pl Sx Fd[9,14,32]	Bl	Act[a] At[a]	1200	700	600	4	20	Pl	1.4
											Others	0.8
1021106		09	Pl[1] Sx[1]	Bl[1]	Act[a] At[b]	1000	500	400	4	20	Pl	1.0
											Others	0.6
1021107	**SBPSmk**	01	Fd[14,32] Pl Sx		At[a]	1200	700	600	7	20	Pl	1.6
											Fd	1.0
											Sx	0.8
1021108		02*	Fd[14,28] Pl	Sx[28]		1000	500	400	7	20	Pl	1.2
											Fd	0.8
											Sx	0.6
1021109		03	Fd[28] Pl		At[a]	1200	700	600	7	20	Pl	1.6
											Fd	1.0
1021110		04	Fd[14,28,32] Pl Sx[28]		At[a]	1200	700	600	7	20	Pl	1.6
											Fd	1.0
											Others	0.8
1021111		05	Fd[14,28] Pl Sx[28]		At[b]	1200	700	600	7	20	Pl	1.6
											Fd	1.0
											Sx	0.8
1021112		06	Pl Sx		Act[a] At[a]	1200	700	600	4	20	Pl	1.6
											Sx	0.8
1021113		07	Sx[1,32]	Pl[1] Bl[1,32]	Act[a] At[a]	1000	500	400	4	20	Pl	1.2
											Others	0.6

Stocking ID	BEC suzone	Site Series	Pref.	Accept.	Broad leaf	TSS	MSSpa	MSSp	Regen delay	Free growing	species	FG Height (m)
1021114		08	Sx[1,32] Pl[1]	Sb[1]		400	200	200	4	20	Pl Others	1.2 0.6
1021115	**SBSdw1**	01	Fd Pl Sx[28]	Bl[28,53]	At[a] Ep[a]	1200	700	600	7	20	Pl Fd Others	2.0 1.4 1.0
1021116		02*	Fd[28] Pl		At[b]	1000	500	400	7	20	Pl Fd	1.4 1.0
1021117		03	Fd[27] Pl		At[a]	1200	700	600	7	20	Pl Fd	2.0 1.4
1021118		04	Fd[32] Pl Sx[28]		At[a] Ep[b]	1200	700	600	7	20	Pl Fd Sx	2.0 1.4 1.0
1021119		05	Fd Pl Sx		At[a] Ep[a]	1200	700	600	7	20	Pl Fd Sx	2.0 1.4 1.0
1021120		06	Fd Pl Sx	Bl	Act[a] At[a] Ep[a]	1200	700	600	7	20	Pl Fd Others	2.0 1.4 1.0
1021121		07	Fd[1,32] Pl Sx	Bl	Act[a] At[a] Ep[b]	1200	700	600	4	20	Pl Fd Others	2.0 1.4 1.0
1021122		08	Fd[1,32] Pl Sx	Bl[32]	Act[a] At[a] Ep[a]	1200	700	600	4	20	Pl Fd Others	2.0 1.4 1.0
1021123		09	Sx[1,32]	Bl[1,32] Pl[1]	Act[a]	1000	500	400	4	20	Pl Others	1.4 0.8
	SBSdw2	01	Fd[32] Pl Sx		At[a] Ep[a]	1200	700	600	7	20	Pl Fd Sx	2.0 1.4 1.0
		02*	Fd[28] Pl			1000	500	400	7	20	Pl Fd	1.4 1.0

Stocking ID	BEC suzone	Site Series	Pref.	Accept.	Broad leaf	TSS	MSSpa	MSSp	Regen delay	Free growing	species	FG Height (m)
		03	Fd[28,32] Pl		At[b]	1200	700	600	7	20	Pl Fd	2.0 1.4
		04	Fd[27] Pl		At[b]	1200	700	600	7	20	Pl Fd	2.0 1.4
		05	Fd Pl Sx		At[a] Ep[28,b]	1200	700	600	7	20	Pli Fdi Sx	2.0 1.4 1.0
		06	Fd[32] Pl Sx[28]		At[a] Ep[b]	1200	700	600	7	20	Pl Fd Sx	2.0 1.4 1.0
		07	Pl Sx	Sb	At[a]	1200	700	600	7	20	Pl Sx Sb	2.0 1.0 0.8
		08	Fd[1,32] Pl Sx	Bl	Act[a] At[a] Ep[b]	1200	700	600	4	20	Pl Fd Others	2.0 1.4 1.0
		09	Fd Pl Sx	Bl	Act[a] At[a] Ep[b]	1200	700	600	4	20	Pl Fd Others	2.0 1.4 1.0
		10	Sx[1,32]	Bl[1, 32] Pl[1]	Act[a]	1000	500	400	4	20	Pl Others	1.4 0.8
		11*	Sx[1,32] Pl[1]	Sb[1]		400	200	200	4	20	Pl Otjhers	1.4 0.8
1021124	**SBSmc1**	01	Fd[15,32] Pl Sx[28]	Bl[28]	Act[b]	1200	700	600	7	20	Pl Fd Others	1.6 1.0 0.8
1021125		02*	Pl	Bl[28] Sx[28]		1000	500	400	7	20	Pl Others	1.2 0.6
1021126		03	Fd Pl		At[b]	1200	700	600	7	20	Pl Fd	1.6 1.0
1021127		04	Pl Sx[32]	Bl[32]		1200	700	600	7	20	Pl	1.6

Stocking ID	BEC suzone	Site Series	Pref.	Accept.	Broad leaf	TSS	MSSpa	MSSp	Regen delay	Free growing	species	FG Height (m)
											Others	0.8
1021128		05	Pl Sx[32]	Bl[32]		1200	700	600	7	20	Pl	1.6
											Others	0.8
1021129		06	Fd[15,32] Pl Sx	Bl	Act[a]	1200	700	600	4	20	Pl	1.6
											Fd	1.0
											Others	0.8
1021130		07	Fd[15,32] Pl Sx	Bl	Act[a]	1200	700	600	4	20	Pl	1.6
											Fd	1.0
											Others	0.8
1021131		08	Sx[1,32]	Bl[1, 32] Pl[1]	Act[b]	1000	500	400	4	20	Pl	1.2
											Others	0.6
1021132	**SBSmm**	01	Pl Sx Fd[9,14,32]	Bl[10,13]	Act[b] At[a]	1200	700	600	7	20	Pl, Lw	2.0
											Fd	1.4
											Others	1.0
1021133		02	Pl Fd[9,13,32]	Bl[10,13] Sx[10,13]	At[b]	1000	500	400	7	20	Pl	1.4
											Fd	1.0
											Others	0.8
1021134		03	Fd[9,14,32] Pl	Bl[10,13] Sx[10,13]		1000	500	400	7	20	Pl	1.4
											Fd	1.0
											Others	0.8
1021135		04	Pl Fd[9,14,32]	Bl[10,13] Sx[10,13]	At[b]	1000	500	400	7	20	Pl	1.4
											Fd	1.0
											Others	0.8
1021136		05	Pl Fd[9,14,32] Sx	Bl[10,13]	At[a]	1200	700	600	7	20	Pl, Lw	2.0
											Fd	1.4
											Others	1.0
1021137		06	Pl Sx	Bl[10,13] Fd[9,14,32]	At[a]	1200	700	600	7	20	Pl, Lw	2.0
											Fd	1.4
											Others	1.0
1021138		07	Pl Sx Fd[9,14,32]	Bl Cw[32]	Act[a] At[a]	1200	700	600	4	20	Pl	2.0
											Fd	1.4
											Others	1.0

Stocking ID	BEC suzone	Site Series	Pref.	Accept.	Broad leaf	TSS	MSSpa	MSSp	Regen delay	Free growing	species	FG Height (m)
1021139		08	Sx[1]	Pl[1] Bl[1]	Act[a] At[b] Ep[b]	1000	500	400	4	20	Pl	1.4
											Others	0.8
		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
12	suitable on cold air drainage sites
13	restricted to upper elevations of biogeoclimatic unit
14	restricted to lower elevations of biogeoclimatic unit
15	restricted to northern portion of biogeoclimatic unit in region
16	restricted to southern portion of biogeoclimatic unit in region
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
20	restricted, not near outer coast
21	restricted to mainland
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 Pl 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

#	**Broadleaf Management Constraints**
a	productive, reliable, and feasible regeneration option
b	limited in productivity, reliability and/or feasibility

#	**Localized Footnotes**
56	**Kalum** forest district - spruce content restricted to <

22	restricted to southern Gardner Canal-Kitlope area	57	20% well-spaced and free growing trees on a standards unit due to leader weevil. **Arrow** forest district - Pw rust-resistant stock may be preferred to a max 50% of preferred and acceptable well-spaced stems.
23	restricted to trial use	58	**Arrow** forest district - Fd limited to a max 50% of preferred and acceptable well-spaced stems due to root rot.
24	suitable (as a major species) in wetter portion of biogeoclimatic unit	59	**Prince George region** - max 1,400 total sph of aspen and cottonwood. Treat as 'ghost' trees in surveys.
25	suitable on sites lacking salal	60	**Squamish** forest district - species is acceptable in Squamish forest district only.
26	suitable minor species on salal-dominated sites	61	**Squamish** forest district only - acceptable on cold air drainage sites only.
27	partial canopy cover required for successful establishment	62	**S. Island** forest district - may only be used as acceptable species within the balsam woolly adelgid quarantine zone.
28	limited by moisture deficit	63	**Queen Charlotte Islands** forest district - must meet district manager specified minimum well-spaced preferred stems per hectare and minimum height requirements for Cw and/or Yc
29	risk of heavy browsing by moose	64	**North Coast** forest district - species is preferred in North Coast forest district only.
30	risk of porcupine damage	65	**North Coast** forest district - species is acceptable in North Coast forest district only.
31	risk of white pine blister rust	66	**Mackenzie** forest district - may be preferred where risk of snow damage is low or where risk of frost damage is excessive on spruce
32	limited by growing-season frosts	67	**Chilliwack** forest district - species is acceptable in Chilliwack forest district only.
33	footnote retired and replaced with footnote 'a'	68	**Chilliwack** forest district - species is preferred in Chilliwack forest district only.
34	risk of snow damage	69	Species is restricted to upper elevations when used in the southern portion of the biogeoclimatic unit.
35	risk of weevil damage		
36	suitable major species on salal-dominated sites		
37	risk of heart rots		
38	footnote retired		
39	avoid exposed and windy sites		
40	risk of redheart		
41	limited by poorly drained soils		
42	restricted to fresh soil moisture regimes		

43 suitable on mainland coast only (QCI only)
44 suitable in areas with stronger maritime influence
45 suitable in areas with stronger continental influence

Table 12. Stocking Standards for Uneven-aged Stands.

Stocking ID	Name	Layer	Pref	Accept.	Broad leaf	TSS	MSSpa	MSSp	Regen Delay	Free Growing	Species	FG height
1020892	1200 Target	1	As per corresponding even-aged standards.			600	300	250	7	20	As per corresponding even-aged standards.	
		2				800	400	300				
		3				1000	500	400				
		4				1200	700	600				
1020893	1000 Target	1	As per corresponding even-aged standards.			400	200	200	7	20	As per corresponding even-aged standards.	
		2				600	300	250				
		3				800	400	300				
		4				1000	500	400				
1020894	800 Target	1	As per corresponding even-aged standards.			300	150	150	7	20	As per corresponding even-aged standards.	
		2				400	200	200				
		3				600	300	300				
		4				800	400	300				
1020895	600 Target	1	As per corresponding even-aged standards.			300	150	150	7	20	As per corresponding even-aged standards.	
		2				400	200	200				
		3				500	300	300				
		4				600	400	400				
1020896	400 Target	1	As per corresponding even-aged standards.			200	100	100	7	20	As per corresponding even-aged standards.	
		2				300	125	125				
		3				300	150	150				
		4				400	200	200				

APPENDIX B – FOREST STEWARDSHIP PLAN MAPS

Table 13. 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

APPENDIX C – WILDLIFE TREE RETENTION TARGETS

Table 14. Wildlife Tree Retention Targets

Landscape Unit	Biogeoclimatic Unit	WTR Target (% gross harvest area)
108 Mile Lake	ESSFwk 1_na	11
108 Mile Lake	IDF dk 3_FirGroup	9
108 Mile Lake	IDF dk 3_PineGroup	10
108 Mile Lake	SBPSmk_na	11
108 Mile Lake	SBS dw 1_na	10
108 Mile Lake	SBS dw 2_na	11
108 Mile Lake	SBS mc 1_na	10
Abhau	SBS dw 1_na	6
Abhau	SBS dw 2_na	5
Abhau	SBS mh_na	3
Abhau	SBS mw_na	6
Alexis	IDF dk 4_FirGroup	8
Alexis	IDF dk 4_PineGroup	8
Alexis	IDF xm_FirGroup	7
Alexis	IDF xm_PineGroup	7
Alexis	SBPSxc_na	9
Alkali	BG xh 3_FirGroup	8
Alkali	BG xh 3_PineGroup	7
Alkali	BG xw 2_FirGroup	5
Alkali	BG xw 2_PineGroup	7
Alkali	IDF dk 3_FirGroup	9
Alkali	IDF dk 3_PineGroup	9
Alkali	IDF xm_FirGroup	6
Alkali	IDF xm_PineGroup	9
Alplands	ESSFxv 1_na	0
Alplands	MS xv_na	1
Alplands	SBPSxc_na	1
Anaham	IDF dk 3_FirGroup	8
Anaham	IDF dk 3_PineGroup	8
Anaham	IDF dk 4_FirGroup	8
Anaham	IDF dk 4_PineGroup	8
Anaham	IDF xm_FirGroup	6
Anaham	IDF xm_PineGroup	8
Anaham	SBPSdc_na	5
Anaham	SBPSxc_na	9
Antler	ESSFwc 3_na	1
Antler	ESSFwcw_na	1
Antler	ESSFwk 1_na	8
Antler	SBS wk 1_na	9
Atnarko	ESSFxv 1_na	8
Atnarko	IDF dw_FirGroup	0
Atnarko	IDF dw_PineGroup	0
Atnarko	IDF ww_FirGroup	0
Atnarko	IDF ww_PineGroup	0
Atnarko	MS dc 2_na	4
Atnarko	MS xv_na	6
Atnarko	SBPSxc_na	6
Baezaeko	MS xv_na	7
Baezaeko	SBPSdc_na	8
Baezaeko	SBPSmk_na	8
Baezaeko	SBPSmk_na	8
Baezaeko	SBS dw 2_na	8
Baezaeko	SBS mc 2_na	8
Baker	MS xv_na	8
Baker	SBPSdc_na	8
Baker	SBPSmk_na	8
Baker	SBS dw 1_na	6
Baker	SBS dw 2_na	8
Baker	SBS mc 2_na	7
Baker	SBS mh_na	8
Bambrick	ESSFxv 2_na	7
Bambrick	IDF dk 4_FirGroup	8
Bambrick	IDF dk 4_PineGroup	8
Bambrick	MS xv_na	7
Bambrick	SBPSxc_na	7
Beaver Valley	ICH mk 3_na	8
Beaver Valley	ICH wk 2_na	7
Beaver Valley	SBPSmk_na	8
Beaver Valley	SBS dw 1_na	8
Beaver Valley	SBS dw 2_na	8
Beaver Valley	SBS mh_na	7
Beece Creek	ESSFxv 1_na	6
Beece Creek	ESSFxv 2_na	5
Beece Creek	MS dv_na	5
Beece Creek	MS xv_na	6
Beece Creek	SBPSxc_na	5
Beeftrail	ESSFxv 1_na	7
Beeftrail	MS xv_na	7
Beeftrail	SBPSmc_na	6
Beeftrail	SBPSxc_na	6
Betty Wendle	ESSFwc 3_na	0
Betty Wendle	ESSFwcp_na	0
Betty Wendle	ESSFwcw_na	0
Betty Wendle	ESSFwk 1_na	0
Betty Wendle	ICH wk 4_na	0
Betty Wendle	SBS wk 1_na	0
Bidwell/Lava	ESSFxv 1_na	7
Bidwell/Lava	IDF dk 4_FirGroup	2
Bidwell/Lava	IDF dk 4_PineGroup	3
Bidwell/Lava	IDF dw_FirGroup	6

Bidwell/Lava	IDF dw_PineGroup	2
Bidwell/Lava	MS xv_na	6
Bidwell/Lava	SBPSxc_na	7
Big Bar	BG xh 3_FirGroup	0
Big Bar	BG xh 3_PineGroup	2
Big Bar	BG xw 2_FirGroup	6
Big Bar	BG xw 2_PineGroup	4
Big Bar	ESSFxc3_na	5
Big Bar	IDF dk 3_FirGroup	8
Big Bar	IDF dk 3_PineGroup	9
Big Bar	IDF xm_FirGroup	8
Big Bar	IDF xm_PineGroup	8
Big Bar	IDF xw_FirGroup	5
Big Bar	IDF xw_PineGroup	0
Big Bar	MS xk3_na	7
Big Creek	BG xw 2_FirGroup	7
Big Creek	BG xw 2_PineGroup	7
Big Creek	ESSFxv 2_na	8
Big Creek	IDF dk 3_FirGroup	7
Big Creek	IDF dk 3_PineGroup	8
Big Creek	IDF dk 4_FirGroup	7
Big Creek	IDF dk 4_PineGroup	8
Big Creek	IDF xm_FirGroup	6
Big Creek	IDF xm_PineGroup	8
Big Creek	MS xv_na	8
Big Creek	SBPSxc_na	8
Big Lake	SBS dw 1_na	8
Big Lake	SBS dw 2_na	8
Big Lake	SBS mc 1_na	7
Big Lake	SBS mh_na	6
Big Stick	ESSFmw_na	6
Big Stick	ESSFxv 1_na	6
Big Stick	IDF dw_FirGroup	5
Big Stick	IDF dw_PineGroup	6
Big Stick	IDF ww_FirGroup	6
Big Stick	IDF ww_PineGroup	7
Big Stick	MS dc 2_na	6
Big Stick	MS xv_na	6
Big Stick	SBPSxc_na	7
Big Valley	ESSFwc 3_na	7
Big Valley	ESSFwk 1_na	8
Big Valley	SBS wk 1_na	9
Black Creek	ESSFwc 3_na	7
Black Creek	ESSFwk 1_na	8
Black Creek	ICH mk 3_na	8
Black Creek	ICH wk 2_na	8
Black Creek	SBPSmk_na	9
Black Creek	SBS dw 1_na	8
Black Creek	SBS dw 2_na	8
Black Creek	SBS mc 1_na	8
Bonaparte Lake	ESSFdc 3_na	7
Bonaparte Lake	IDF dk 3_FirGroup	6
Bonaparte Lake	IDF dk 3_PineGroup	8
Bonaparte Lake	MS xk2_na	7
Bonaparte Lake	SBPSmk_na	8
Bonaparte Lake	SBS dw 1_na	8
Bonaparte Lake	SBS dw 2_na	8
Bonaparte Lake	SBS mm_na	8
Bowron	ESSFwc 3_na	3
Bowron	ESSFwk 1_na	6
Bowron	ICH wk 4_na	3
Bowron	SBS wk 1_na	4
Bradley Creek	ESSFwc 3_na	7
Bradley Creek	ESSFwk 1_na	8
Bradley Creek	ICH dk_na	8
Bradley Creek	IDF mw 2_FirGroup	8
Bradley Creek	IDF mw 2_PineGroup	9
Bradley Creek	SBS dw 1_na	7
Bradley Creek	SBS dw 2_na	8
Bradley Creek	SBS mc 1_na	8
Bridge Creek	IDF dk 3_FirGroup	9
Bridge Creek	IDF dk 3_PineGroup	10
Bridge Creek	SBPSmk_na	11
Bridge Creek	SBS dw2_na	11
Bridge Lake	ESSFdc 3_na	8
Bridge Lake	SBPSmk_na	8
Bridge Lake	SBS dw 1_na	8
Bridge Lake	SBS dw 2_na	8
Bridge Lake	SBS mc 1_na	8
Bridge Lake	SBS mm_na	9
Brittany	ESSFxv 1_na	6
Brittany	IDF dk 4_FirGroup	4
Brittany	IDF dk 4_PineGroup	6
Brittany	IDF dw_FirGroup	0
Brittany	IDF dw_PineGroup	0
Brittany	IDF xm_FirGroup	4
Brittany	IDF xm_PineGroup	6
Brittany	MS dc 2_na	0
Brittany	MS xv_na	6
Brittany	SBPSxc_na	6
Canim Lake	ESSFdc 3_na	7
Canim Lake	ICH mk 3_na	8
Canim Lake	ICH mw 3_na	7
Canim Lake	IDF mw 2_FirGroup	7
Canim Lake	IDF mw 2_PineGroup	8
Canim Lake	SBS dw 1_na	7
Canim Lake	SBS dw 2_na	7
Canim Lake	SBS mc 1_na	7

Canim Lake	SBS mm_na	7
Cariboo Lake	ESSFwc 3_na	10
Cariboo Lake	ESSFwk 1_na	10
Cariboo Lake	ICH wk 4_na	11
Cariboo Lake	SBS wk 1_na	11
Chasm	ESSFxc3_na	2
Chasm	IDF dk 3_FirGroup	8
Chasm	IDF dk 3_PineGroup	9
Chasm	IDF xw_FirGroup	6
Chasm	IDF xw_PineGroup	6
Chasm	MS xk3_na	4
Cheshi Stikelan	ESSFxv 1_na	3
Cheshi Stikelan	IDF dw_FirGroup	3
Cheshi Stikelan	IDF dw_PineGroup	6
Cheshi Stikelan	MS dc 2_na	7
Chilanko	IDF dk 4_FirGroup	5
Chilanko	IDF dk 4_PineGroup	6
Chilanko	MS xv_na	6
Chilanko	SBPSxc_na	7
Chilko	ESSFxv 1_na	0
Chilko	IDF dw_FirGroup	0
Chilko	IDF dw_PineGroup	0
Chilko	MS dc 2_na	0
Chilko	MS xv_na	0
Chimney	BG xw 2_FirGroup	3
Chimney	BG xw 2_PineGroup	2
Chimney	IDF dk 3_FirGroup	8
Chimney	IDF dk 3_PineGroup	8
Chimney	IDF xm_FirGroup	9
Chimney	IDF xm_PineGroup	10
Chine	MS xv_na	7
Chine	SBPSdc_na	5
Chine	SBPSmc_na	5
Chine	SBS mc 2_na	7
Christenson Creek	ESSFxv 1_na	0
Christenson Creek	MS xv_na	6
Christenson Creek	SBPSmc_na	6
Christenson Creek	SBPSxc_na	6
Churn	BG xh 3_FirGroup	0
Churn	BG xh 3_PineGroup	0
Churn	BG xw 2_FirGroup	1
Churn	BG xw 2_PineGroup	0
Churn	ESSFxv 2_na	8
Churn	IDF dk 4_FirGroup	2
Churn	IDF dk 4_PineGroup	5
Churn	IDF xm_FirGroup	0
Churn	IDF xm_PineGroup	0
Churn	MS xv_na	7
Churn	SBPSxc_na	6
Clearwater	ESSFxv 1_na	0
Clearwater	IDF dk 4_FirGroup	5
Clearwater	IDF dk 4_PineGroup	6
Clearwater	IDF dw_FirGroup	7
Clearwater	IDF dw_PineGroup	7
Clearwater	MS xv_na	7
Clearwater	SBPSxc_na	7
Clinton	ESSFxc3_na	3
Clinton	IDF dk 3_FirGroup	7
Clinton	IDF dk 3_PineGroup	7
Clinton	IDF xw_FirGroup	7
Clinton	IDF xw_PineGroup	6
Clinton	MS xk3_na	7
Clisbako	MS xv_na	7
Clisbako	SBPSdc_na	7
Clisbako	SBPSmk_na	8
Clisbako	SBPSxc_na	8
Clusko	MS xv_na	7
Clusko	SBPSxc_na	8
Coglistiko	MS xv_na	6
Coglistiko	SBPSdc_na	6
Coglistiko	SBPSmc_na	6
Coglistiko	SBS mc 2_na	7
Colwell	ESSFmw_na	7
Colwell	ESSFxv 1_na	6
Colwell	IDF dw_FirGroup	5
Colwell	IDF dw_PineGroup	6
Colwell	MS dc 2_na	6
Colwell	MS xv_na	6
Corkscrew	ESSFxv 1_na	0
Corkscrew	MS xv_na	5
Corkscrew	SBPSxc_na	6
Crazy Creek	CWH ms 1_na	0
Crazy Creek	ESSFxv 1_na	0
Crazy Creek	IDF dw_FirGroup	4
Crazy Creek	IDF dw_PineGroup	2
Crazy Creek	MS dc 2_na	6
Cunningham	ESSFwc 3_na	5
Cunningham	ESSFwk 1_na	7
Cunningham	ICH wk 4_na	7
Cunningham Lake	IDF dk 3_FirGroup	8
Cunningham Lake	IDF dk 3_PineGroup	9
Dash	ESSFxv 2_na	7
Dash	MS xv_na	7
Dash	SBPSxc_na	7
Deadman	IDF dk 3_FirGroup	7
Deadman	IDF dk 3_PineGroup	8

Deadman	IDF xh 2_FirGroup	7
Deadman	IDF xh 2_PineGroup	8
Deadman	MS xk 2_na	7
Deadman	SBPSmk_na	9
Deception Mountain	ESSFwc 3_na	0
Deception Mountain	ESSFwk 1_na	6
Deception Mountain	ICH dk_na	7
Deception Mountain	ICH mk 3_na	7
Dog Creek	BG xh 3_FirGroup	10
Dog Creek	BG xw 2_FirGroup	10
Dog Creek	BG xw 2_PineGroup	10
Dog Creek	IDF dk 3_FirGroup	9
Dog Creek	IDF dk 3_PineGroup	10
Dog Creek	IDF xm_FirGroup	7
Dog Creek	IDF xm_PineGroup	9
Dog Creek	SBPSmk_na	10
Doran Creek	CWH ds 1_na	0
Doran Creek	CWH ms 1_na	0
Doran Creek	ESSFxv 1_na	0
Doran Creek	IDF dw_FirGroup	0
Doran Creek	IDF dw_PineGroup	0
Doran Creek	MH mm 2_na	0
Downton	ESSFxv 1_na	0
Downton	MS xv_na	0
Dragon	IDF dk 3_FirGroup	8
Dragon	IDF dk 3_PineGroup	8
Dragon	IDF xm_FirGroup	8
Dragon	IDF xm_PineGroup	8
Dragon	SBS dw 1_na	8
Dragon	SBS dw 2_na	8
Dragon	SBS mc 1_na	8
Dragon	SBS mh_na	8
East Arm	ESSFwc 3_na	0
East Arm	ESSFwk 1_na	4
East Arm	ICH wk 2_na	7
Eastside	ESSFwc 3_na	6
Eastside	ESSFwk 1_na	6
Eastside	ICH wk 2_na	7
Edmond	CWH un_na	0
Edmond	ESSFmw_na	0
Edmond	ESSFxv 1_na	0
Edmond	IDF dw_PineGroup	0
Edmond	MS dc 2_na	0
Eliguk	ESSFxv 1_na	0
Eliguk	MS xv_na	4
Eliguk	SBPSmc_na	6
Eliguk	SBS mc 2_na	7
Eliguk	SBS mc 3_na	7
Euchiniko	SBPSdc_na	6
Euchiniko	SBPSmk_na	6
Euchiniko	SBSdk	6
Euchiniko	SBSdw2	6
Euchiniko	SBS mc 2_na	6
Euchiniko	SBS mc 3_na	7
Farwell	BG xh 3_FirGroup	8
Farwell	BG xh 3_PineGroup	2
Farwell	BG xw 2_FirGroup	7
Farwell	BG xw 2_PineGroup	10
Farwell	IDF dk 3_FirGroup	8
Farwell	IDF dk 3_PineGroup	9
Farwell	IDF dk 4_FirGroup	8
Farwell	IDF dk 4_PineGroup	9
Farwell	IDF xm_FirGroup	8
Farwell	IDF xm_PineGroup	9
Farwell	SBPSmk_na	9
Forest Grove	ICH mk 3_na	8
Forest Grove	IDF dk 3_FirGroup	10
Forest Grove	IDF dk 3_PineGroup	10
Forest Grove	IDF mw 2_FirGroup	6
Forest Grove	IDF mw 2_PineGroup	6
Forest Grove	SBS dw 1_na	9
Forest Grove	SBS dw 2_na	10
Forest Grove	SBS mm_na	10
Franklyn	CWH un_na	0
Franklyn	ESSFmw_na	0
Franklyn	ESSFxv 1_na	0
Franklyn	IDF dw_FirGroup	0
Franklyn	IDF dw_PineGroup	0
Gaspard	BG xw 2_FirGroup	9
Gaspard	BG xw 2_PineGroup	10
Gaspard	ESSFxv 2_na	9
Gaspard	IDF dk 3_FirGroup	7
Gaspard	IDF dk 3_PineGroup	9
Gaspard	IDF dk 4_FirGroup	7
Gaspard	IDF dk 4_PineGroup	9
Gaspard	IDF xm_FirGroup	7
Gaspard	IDF xm_PineGroup	9
Gaspard	MS xv_na	9
Gaspard	SBPSxc_na	9
Gerimi	SBS mh_na	7
Gerimi	SBS mw_na	7
Gerimi	SBS wk 1_na	6
Green Lake	IDF dk 3_FirGroup	8

Green Lake	IDF dk 3_PineGroup	8
Green Lake	SBPSmk_na	8
Green Lake	SBS dw 1_na	9
Green Lake	SBS dw 2_na	8
Gunn Valley	ESSFxv 1_na	0
Gunn Valley	MS dv_na	3
Gunn Valley	SBPSxc_na	3
Haines	ESSFxv 2_na	8
Haines	IDF dk 4_FirGroup	7
Haines	IDF dk 4_PineGroup	8
Haines	IDF xm_FirGroup	7
Haines	IDF xm_PineGroup	7
Haines	MS xv_na	8
Haines	SBPSxc_na	8
Hawks Creek	IDF dk 3_FirGroup	9
Hawks Creek	IDF dk 3_PineGroup	10
Hawks Creek	IDF xm_FirGroup	8
Hawks Creek	IDF xm_PineGroup	7
Hawks Creek	SBPSmk_na	10
Hawks Creek	SBS dw 1_na	10
Hawks Creek	SBS dw 2_na	10
Hawks Creek	SBS mc 1_na	11
Helena Lake	IDF dk 3_FirGroup	10
Helena Lake	IDF dk 3_PineGroup	11
Helena Lake	SBPSmk_na	12
Hendrix Lake	ESSFwc 3_na	8
Hendrix Lake	ESSFwk 1_na	8
Hendrix Lake	ICH dk_na	9
Hendrix Lake	ICH mk 3_na	9
Hendrix Lake	IDF mw 2_FirGroup	8
Hendrix Lake	IDF mw 2_PineGroup	9
Hickson	CWH ms 1_na	0
Hickson	ESSFxv 1_na	0
Hickson	MH mm 2_na	0
Holtry	ESSFxv 1_na	8
Holtry	MS xv_na	8
Holtry	SBPSxc_na	7
Horsefly	ESSFwc 3_na	7
Horsefly	ESSFwk 1_na	7
Horsefly	ICH mk 3_na	8
Horsefly	ICH wk 2_na	8
Horsefly	SBS dw 1_na	8
Hotnarko	ESSFxv 1_na	7
Hotnarko	IDF dw_FirGroup	5
Hotnarko	IDF dw_PineGroup	6
Hotnarko	IDF ww_FirGroup	0
Hotnarko	IDF ww_PineGroup	0
Hotnarko	MS xv_na	6
Hotnarko	SBPSxc_na	6
Indianpoint	ESSFwc 3_na	1
Indianpoint	ESSFwk 1_na	6
Indianpoint	ICH wk 4_na	6
Indianpoint	SBS wk 1_na	6
Jack of Clubs	ESSFwc 3_na	5
Jack of Clubs	ESSFwk 1_na	6
Jack of Clubs	SBS wk 1_na	7
Kelly Lake	BG xh 3_FirGroup	0
Kelly Lake	BG xh 3_PineGroup	0
Kelly Lake	ESSFxc 3_na	2
Kelly Lake	ESSFxcp_na	8
Kelly Lake	IDF dk 3_FirGroup	2
Kelly Lake	IDF dk 3_PineGroup	2
Kelly Lake	IDF xw_FirGroup	0
Kelly Lake	IDF xw_PineGroup	0
Kelly Lake	MS xk3_na	0
Klinaklini	ESSFxv 1_na	7
Klinaklini	IDF dk 4_FirGroup	5
Klinaklini	IDF dk 4_PineGroup	7
Klinaklini	MS xv_na	6
Klinaklini	SBPSxc_na	7
Kluskus	ESSFxv 1_na	4
Kluskus	MS xv_na	4
Kluskus	SBPSdc_na	6
Kluskus	SBPSmc_na	6
Koster/Lone Cabin	BG xh 3_FirGroup	0
Koster/Lone Cabin	BG xh 3_PineGroup	0
Koster/Lone Cabin	BG xw 2_FirGroup	0
Koster/Lone Cabin	BG xw 2_PineGroup	0
Koster/Lone Cabin	ESSFxv 2_na	7
Koster/Lone Cabin	IDF dk 3_FirGroup	0
Koster/Lone Cabin	IDF dk 3_PineGroup	0
Koster/Lone Cabin	IDF dk 4_FirGroup	6
Koster/Lone Cabin	IDF dk 4_PineGroup	7
Koster/Lone Cabin	IDF xm_FirGroup	0
Koster/Lone Cabin	IDF xm_PineGroup	1
Koster/Lone Cabin	MS xk3_na	6
Koster/Lone Cabin	MS xv_na	5
Lightning	ESSFwc 3_na	6
Lightning	ESSFwk 1_na	9
Lightning	SBS mw_na	8
Lightning	SBS wk 1_na	9
Likely	ESSFwc 3_na	3

Likely	ESSFwk 1_na	9
Likely	ICH mk 3_na	10
Likely	ICH wk 2_na	9
Little River	ESSFwc 3_na	1
Little River	ESSFwk 1_na	6
Little River	ICH wk 4_na	7
Loon	IDF dk 3_FirGroup	8
Loon	IDF dk 3_PineGroup	8
Loon	IDF xw_FirGroup	6
Loon	IDF xw_PineGroup	6
Loon	MS xk2_na	8
Lord River	ESSFxv 1_na	1
Lord River	MS dv_na	5
Lower Cariboo	ESSFwc 3_na	4
Lower Cariboo	ESSFwk 1_na	10
Lower Cariboo	ICH mk 3_na	11
Lower Cariboo	ICH wk 2_na	10
Lower Cariboo	ICH wk 4_na	10
Lower Cariboo	SBS mh_na	10
Lower Cariboo	SBS mw_na	10
Lower Cariboo	SBS wk 1_na	11
Mackin	IDF dk 3_FirGroup	8
Mackin	IDF dk 3_PineGroup	9
Mackin	IDF dk 4_FirGroup	10
Mackin	IDF dk 4_PineGroup	9
Mackin	IDF xm_FirGroup	7
Mackin	IDF xm_PineGroup	8
Mackin	SBPSdc_na	9
Mackin	SBPSxc_na	9
Marmot	ESSFmv 1_na	9
Marmot	MS xv_na	7
Marmot	SBPSdc_na	8
Marmot	SBPSmk_na	8
Marmot	SBS dw 2_na	8
Marmot	SBS mc 2_na	7
Matthew	ESSFwc 3_na	4
Matthew	ESSFwk 1_na	8
Matthew	ICH wk 4_na	10
McKay	ESSFwc 3_na	9
McKay	ESSFwk 1_na	9
McKay	ICH wk 2_na	9
McKinley	ESSFwc 3_na	7
McKinley	ESSFwk 1_na	8
McKinley	ICH mk 3_na	9
McKinley	ICH wk 2_na	8
McKinley	SBS dw 1_na	8
McKusky	ESSFwc 3_na	3
McKusky	ESSFwk 1_na	7
McKusky	ICH wk 2_na	8
McLinchy	ESSFxv 1_na	0
McLinchy	MS xv_na	7
McLinchy	SBPSxc_na	7
Meadow Lake	BG xw 2_FirGroup	8
Meadow Lake	BG xw 2_PineGroup	4
Meadow Lake	IDF dk 3_FirGroup	10
Meadow Lake	IDF dk 3_PineGroup	11
Meadow Lake	IDF xm_FirGroup	9
Meadow Lake	IDF xm_PineGroup	8
Meadow Lake	SBPSmk_na	11
Meldrum	IDF dk 3_FirGroup	15
Meldrum	IDF dk 3_PineGroup	15
Meldrum	IDF xm_FirGroup	14
Meldrum	IDF xm_PineGroup	17
Middle Lake	ESSFxv 1_na	0
Middle Lake	IDF dw_FirGroup	7
Middle Lake	IDF dw_PineGroup	7
Middle Lake	MS dc 2_na	5
Middle Lake	MS xv_na	5
Minton	BG xw 2_FirGroup	7
Minton	BG xw 2_PineGroup	7
Minton	IDF dk 4_FirGroup	7
Minton	IDF dk 4_PineGroup	8
Minton	IDF xm_FirGroup	7
Minton	IDF xm_PineGroup	8
Minton	SBPSxc_na	9
Mitchell Lake	ESSFwc 3_na	0
Mitchell Lake	ESSFwk 1_na	2
Mitchell Lake	ICH wk 2_na	2
Mitchell Lake	ICH wk 4_na	10
Moffat	ESSFwc 3_na	7
Moffat	ESSFwk 1_na	7
Moffat	SBPSmk_na	8
Moffat	SBS dw 1_na	9
Moffat	SBS dw 2_na	8
Moffat	SBS mc 1_na	8
Murphy Lake	ESSFwc 3_na	8
Murphy Lake	ESSFwk 1_na	8
Murphy Lake	SBPSmk_na	9
Murphy Lake	SBS dw 1_na	8
Murphy Lake	SBS dw 2_na	9
Murphy Lake	SBS mc 1_na	9
Nadila	ESSFxv 2_na	0
Nadila	MS xv_na	0
Nadila	SBPSxc_na	0
Narcosli	IDF xm_FirGroup	9
Narcosli	IDF xm_PineGroup	8
Narcosli	SBPSmk_na	8
Narcosli	SBS dw 1_na	10
Narcosli	SBS dw 2_na	8

Narcosli	SBS mc 2_na	8
Narcosli	SBS mh_na	7
Nazko	IDF dk 4_FirGroup	6
Nazko	IDF dk 4_PineGroup	6
Nazko	MS xv_na	8
Nazko	SBPSdc_na	7
Nazko	SBPSmk_na	9
Nazko	SBPSxc_na	8
Nemiah	ESSFxv 1_na	6
Nemiah	IDF dk 4_FirGroup	7
Nemiah	IDF dk 4_PineGroup	6
Nemiah	IDF dw_FirGroup	0
Nemiah	IDF dw_PineGroup	4
Nemiah	MS dc 2_na	5
Nemiah	MS xv_na	6
Nemiah	SBPSxc_na	7
Niagara	ESSFwc 3_na	0
Niagara	ESSFwk 1_na	0
Niagara	ICH wk 2_na	0
Nimpo	ESSFxv 1_na	7
Nimpo	MS xv_na	7
Nimpo	SBPSxc_na	7
Nostetuko	ESSFxv 1_na	7
Nostetuko	IDF dw_FirGroup	7
Nostetuko	IDF dw_PineGroup	7
Nostetuko	MS dc 2_na	7
Nude Creek	CWH ds 1_na	0
Nude Creek	ESSFmw_na	0
Nude Creek	ESSFxv 1_na	0
Nude Creek	IDF dw_FirGroup	0
Nude Creek	IDF dw_PineGroup	0
Nude Creek	MH mm 2_na	0
Nude Creek	MS dc 2_na	0
Nuntzi Elkin	ESSFxv 1_na	6
Nuntzi Elkin	IDF dk 4_FirGroup	5
Nuntzi Elkin	IDF dk 4_PineGroup	4
Nuntzi Elkin	IDF xm_FirGroup	5
Nuntzi Elkin	IDF xm_PineGroup	4
Nuntzi Elkin	MS xv_na	6
Nuntzi Elkin	SBPSxc_na	2
Ottarasko	ESSFxv 1_na	0
Ottarasko	IDF dw_FirGroup	0
Ottarasko	IDF dw_PineGroup	0
Ottarasko	MS dc 2_na	0
Palmer/Jorgenson	ESSFxv 1_na	6
Palmer/Jorgenson	IDF dk 4_FirGroup	6
Palmer/Jorgenson	IDF dk 4_PineGroup	7
Palmer/Jorgenson	MS xv_na	6
Palmer/Jorgenson	SBPSxc_na	6
Pan	ESSFxv 1_na	0
Pan	MS xv_na	4
Pan	SBPSmc_na	6
Pan	SBS mc 2_na	7
Pantage	ESSFmv 1_na	8
Pantage	SBPSdc_na	8
Pantage	SBPSmk_na	8
Pantage	SBS dw 1_na	8
Pantage	SBS dw 2_na	8
Pantage	SBS mc 2_na	8
Pelican	ESSFmv 1_na	7
Pelican	SBPSdc_na	7
Pelican	SBPSmk_na	7
Pelican	SBS dw 2_na	7
Pelican	SBS mc 2_na	7
Penfold	ESSFwc 3_na	5
Penfold	ESSFwk 1_na	5
Penfold	ICH wk 2_na	6
Polley	ICH mk 3_na	9
Polley	ICH wk 2_na	8
Polley	SBS dw 1_na	9
Polley	SBS mh_na	9
Punky Moore	ESSFxv 1_na	1
Punky Moore	MS xv_na	4
Punky Moore	SBPSxc_na	4
Puntzi	IDF dk 4_FirGroup	6
Puntzi	IDF dk 4_PineGroup	7
Puntzi	MS xv_na	6
Puntzi	SBPSxc_na	6
Pyper	IDF dk 4_FirGroup	6
Pyper	IDF dk 4_PineGroup	7
Pyper	IDF xm_FirGroup	6
Pyper	IDF xm_PineGroup	6
Pyper	SBPSxc_na	7
Rainbow	ESSFxv 1_na	0
Rainbow	IDF dw_FirGroup	0
Rainbow	IDF dw_PineGroup	0
Rainbow	MS dc 2_na	0
Rainbow	MS dv_na	0
Ramsey	IDF dk 3_FirGroup	10
Ramsey	IDF dk 3_PineGroup	10
Ramsey	MS xv_na	8
Ramsey	SBPSdc_na	9
Ramsey	SBPSmk_na	9
Ramsey	SBS dw 2_na	9
Ramsey	SBS mc 2_na	8
Riske	BG xh 3_FirGroup	2
Riske	BG xh 3_PineGroup	9
Riske	BG xw 2_FirGroup	10
Riske	BG xw 2_PineGroup	9

Riske	IDF dk 3_FirGroup	10
Riske	IDF dk 3_PineGroup	11
Riske	IDF xm_FirGroup	10
Riske	IDF xm_PineGroup	12
Riske	SBPSmk_na	11
Riske	SBPSxc_na	12
Sandy	ESSFwc 3_na	0
Sandy	ESSFwk 1_na	0
Sandy	ICH wk 4_na	0
Sisters	IDF dk 4_FirGroup	8
Sisters	IDF dk 4_PineGroup	9
Sisters	IDF xm_FirGroup	8
Sisters	IDF xm_PineGroup	4
Sisters	SBPSxc_na	9
Siwash	IDF dk 4_FirGroup	8
Siwash	IDF dk 4_PineGroup	10
Siwash	IDF xm_FirGroup	9
Siwash	IDF xm_PineGroup	8
Siwash	SBPSxc_na	10
Snaking	ESSFmv 1_na	9
Snaking	SBPSdc_na	8
Snaking	SBPSmk_na	8
Snaking	SBS mc 2_na	8
Spanish	ESSFwc 3_na	1
Spanish	ESSFwk 1_na	7
Spanish	ICH dk_na	8
Spanish	ICH mk 3_na	6
Spanish	ICH mw 3_na	5
Spanish	IDF mw 2_FirGroup	8
Spanish	IDF mw 2_PineGroup	8
Swift	ESSFwc 3_na	3
Swift	ESSFwk 1_na	8
Swift	SBS wk 1_na	9
Taseko	ESSFxv 1_na	6
Taseko	MS dv_na	5
Tatla/Little Eagle	ESSFxv 1_na	7
Tatla/Little Eagle	IDF dk 4_FirGroup	5
Tatla/Little Eagle	IDF dk 4_PineGroup	6
Tatla/Little Eagle	MS xv_na	6
Tatla/Little Eagle	SBPSxc_na	7
Tautri	SBPSdc_na	8
Tautri	SBPSmk_na	8
Tautri	SBPSxc_na	8
Tchaikazan	ESSFxv 1_na	1
Tchaikazan	MS dv_na	5
Tchaikazan	SBPSxc_na	5
Telegraph	ESSFxv 1_na	7
Telegraph	IDF dw_FirGroup	0
Telegraph	IDF dw_PineGroup	7
Telegraph	IDF ww_FirGroup	0
Telegraph	IDF ww_PineGroup	0
Telegraph	MS xv_na	7
Telegraph	SBPSxc_na	7
Tete Angela	ESSFxv 1_na	7
Tete Angela	IDF dk 4_FirGroup	6
Tete Angela	IDF dk 4_PineGroup	5
Tete Angela	MS xv_na	7
Tete Angela	SBPSxc_na	7
Tibbles	MS xv_na	7
Tibbles	SBPSdc_na	8
Tibbles	SBPSmk_na	8
Tibbles	SBS mc 2_na	8
Tiedemann	CWH ds 1_na	0
Tiedemann	CWH ms 1_na	0
Tiedemann	MH mm 2_na	0
Toil	MS xv_na	2
Toil	SBPSmk_na	6
Tusulko	ESSFxv 1_na	8
Tusulko	MS xv_na	6
Tusulko	SBPSxc_na	7
Twan	IDF dk 3_FirGroup	7
Twan	IDF dk 3_PineGroup	8
Twan	IDF xm_FirGroup	7
Twan	IDF xm_PineGroup	6
Twan	SBPSdc_na	8
Twan	SBPSxc_na	8
Twan	SBS dw 2_na	8
Umiti	ESSFwc 3_na	4
Umiti	ESSFwk 1_na	10
Umiti	SBS dw 1_na	10
Umiti	SBS mh_na	10
Umiti	SBS mw_na	10
Umiti	SBS wk 1_na	10
Upper Big Creek	ESSFxv 2_na	1
Upper Big Creek	MS xv_na	4
Upper Big Creek	SBPSxc_na	1
Upper Churn	ESSFxv 2_na	6
Upper Churn	MS xv_na	6
Upper Churn	SBPSxc_na	7
Upper Dean	ESSFmc_na	0
Upper Dean	ESSFxv 1_na	0
Upper Dean	MS xv_na	5
Upper Dean	SBPSmc_na	6
Upper Dean	SBPSxc_na	6
Upper Dean	SBS mc 2_na	0
Upper Dean	SBS mc 3_na	6
Upper Tatlayoko	ESSFxv 1_na	4
Upper Tatlayoko	IDF dk 4_FirGroup	5
Upper Tatlayoko	IDF dk 4_PineGroup	6

Upper Tatlayoko	IDF dw_FirGroup	3
Upper Tatlayoko	IDF dw_PineGroup	6
Upper Tatlayoko	MS dc 2_na	5
Upper Tatlayoko	MS xv_na	6
Upper Tatlayoko	SBPSxc_na	6
Victoria	ESSFwc 3_na	5
Victoria	ESSFwk 1_na	6
Victoria	SBS mw_na	7
Victoria	SBS wk 1_na	8
Wasko/Lynx	ESSFwc 3_na	5
Wasko/Lynx	ESSFwk 1_na	6
Wasko/Lynx	ICH wk 2_na	6
Wentworth	MS xv_na	8
Wentworth	SBPSdc_na	9
Wentworth	SBPSmk_na	9
Wentworth	SBS mc 2_na	9
Westbranch	ESSFxv 1_na	3
Westbranch	IDF dk 4_FirGroup	5
Westbranch	IDF dk 4_PineGroup	3
Westbranch	IDF dw_FirGroup	4
Westbranch	IDF dw_PineGroup	5
Westbranch	MS dc 2_na	3
Westbranch	MS xv_na	5
Westbranch	SBPSxc_na	4
Westside	ESSFwc 3_na	0
Westside	ESSFwk 1_na	4
Westside	ICH wk 2_na	7
Whittier	SBPSmk_na	8
Whittier	SBS dw 1_na	8
Whittier	SBS dw 2_na	8
Whittier	SBS mc 2_na	8
Whittier	SBS mh_na	8
Williams Lake	IDF dk 3_FirGroup	8
Williams Lake	IDF dk 3_na	10
Williams Lake	IDF dk 3_PineGroup	9
Williams Lake	IDF xm_FirGroup	8
Williams Lake	IDF xm_PineGroup	9
Williams Lake	SBPSmk_na	9
Williams Lake	SBS dw 2_na	10
Willow	ESSFwc 3_na	5
Willow	ESSFwk 1_na	8
Willow	SBS wk 1_na	9