



Merritt TSA 2006 Forest Stewardship Plan

Pete Wallis, R.P.F. BCTS Planning Forester Kamloops Business Area	Date:
Tony Buckley Kamloops Timber Sales Manager	Preparing Forester <i>"I certify that I have determined that this work was performed to an acceptable standard"</i>

TABLE OF CONTENTS

1	INTERPRETATION.....	3
2	FOREST DEVELOPMENT UNITS	3
3	AREAS WITHIN FDU'S THAT ARE SUBJECT TO (FRPA s. 197 (7))	3
4	FDP BLOCKS AND ROADS WITH ASSESSMENTS; WITHOUT ASSESSMENTS AND ROADS AND BLOCKS UNDER PERMIT	4
5	RESULTS OR STRATEGIES	4
5.1	Order Establishing Provincial Non-Spatial Old Growth Objectives.....	4
5.2	Scenic Areas With Established Visual Quality Objectives	5
5.3	Soils (FPPR s. 5)	5
5.4	Wildlife (FPPR s. 7)	6
5.5	Water, Fish, Wildlife & Biodiversity within Riparian Areas (FPPR s. 8)	11
5.6	Water in Community Watersheds (FPPR s. 8.2)	13
5.7	Wildlife & Biodiversity – Landscape Level (FPPR s. 9)	13
5.8	Wildlife & Biodiversity – Stand Level (FPPR s. 9.1)	13
5.9	Cultural Heritage Resources (FPPR s. 10).....	14
6	MEASURES	15
6.1	Preventing the Introduction or Spread of Invasive Plants (FRPA 47).....	15
6.2	Mitigating the Loss of Natural Range Barriers (FRPA 48).....	16
7	OBJECTIVES FOR RECREATION TRAILS, SITES AND INTERPRETIVE FOREST SITES	17
8	STOCKING REQUIREMENTS	18
9	APPENDICES	19
	APPENDIX A - STOCKING STANDARDS	19
	GENERAL STANDARDS	19
1	Coniferous stocking standards	19
2	Minimum Inter-tree Distance	19
3	Maximum Density	20
4	Additional criteria for stands containing white pine.....	20
	VARIATIONS TO GENERAL STANDARDS	20
	Appendix B -1- Coniferous stocking standards.....	22
	Appendix B 2 Multi :Layer Stocking Standards.....	30
	Appendix B-3 Footnotes to Stocking Standards	32
	Appendix C Objectives for Interpretive Forest Sites, Recreation sites or Recreation Trails	34

1 INTERPRETATION

(1) In this FSP:

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

“**FPPR**” means the Forest and Range Practices Regulation (B.C. Reg. 14/2004);

“**FRPA**” means the *Forest and Range Practices Act*;

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

“**mature timber harvesting landbase**” means the mature timber harvesting landbase in the FDU as defined by applying 80 yr age factor to the Merritt Timber Supply Review Timber Harvest Land Base within the Merritt TSA;

“**non-contributing land base**” means all land within the Merritt Timber Supply Area not contributing to timber supply area harvests as described in the Timber Supply Review 3 for the Merritt Timber Supply Area (March 2004);

“**Susceptible Pine Stands**” means, for the purpose of this document, stands within the FDU that are susceptible to mountain Pine Beetle characterized by:
Polygons of Forest Cover Lodgepole Pine content of greater than 59% and greater than 40 yrs age and where incidence of beetle is in or adjacent to the stand, and within the Bark Beetle Management zones as identified on the map.

“**TSA**” means timber supply area;

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

(2) The Term of this FSP is 5 years.

(3) This FSP applies to B C Timber Sales Timber Sale Licenses and Road development within the Merritt TSA. It does not apply to activities identified in Section 2 (1) unless the funding for those activities is provided as set out in Section 96 of the regulation, or to 2 (3) of the FPPR.

2 FOREST DEVELOPMENT UNITS

There are 12 FDUs that are shown on the Cascades Forest District Merritt TSA 2006 Forest Stewardship Plan Key Map

3 AREAS WITHIN FDU'S THAT ARE SUBJECT TO (FRPA s. 197 (7))

All Timber Sales Licenses, cutting permits and road permits in effect on the beginning of the term of this FSP will continue to operate under the *Forest Practice Code Act* and the associated regulations and are not subject to this FSP.

4 FDP BLOCKS AND ROADS WITH ASSESSMENTS; WITHOUT ASSESSMENTS AND ROADS AND BLOCKS UNDER PERMIT

The FRPA 196 (1), 196 (2), cutblocks and roads under permit pursuant to FRPA 14 (1)(c) and 14 (3)(j),(k) respectively are identified on the maps.

5 RESULTS OR STRATEGIES

5.1 ORDER ESTABLISHING PROVINCIAL NON-SPATIAL OLD GROWTH OBJECTIVES

- (1) To meet the intent of the Non-Spatial Old Growth Order that came into effect June 30th, 2004 the TSM will carry out or authorize primary forest activities within a cutblock only:
 - (a) if the design of the cutblock is consistent with March 31 2006 spatial OGMA polygons of Old Growth Management Areas, or as amended by mutual agreement with ILMB to remove areas overlapping identified blocks and roads.

Or

 - (b) under any of the following circumstances relative to the OGMA identified in (a):
 - (i) the incursion is necessary for range development, road system development, road maintenance, or safety;
 - (ii) for the purpose of administrative OGMA boundary changes of up to 50m that will not compromise the long term management of the OGMA;
 - (iii) the harvesting is necessary to preserve the timber harvesting opportunities in areas adjacent to the OGMA and the amount of harvesting within the OGMA is restricted to the least amount necessary to facilitate harvesting within the adjacent areas;
 - (iv) trees within the OGMA pose a significant forest health risk to forests outside of the OGMA.
- (2) If harvesting within an OGMA under paragraph (1b) results in
 - (a) harvesting of greater than 10 ha or 10% of the OGMA (which ever less), and
 - (b) the OGMA no longer demonstrating consistency with old growth seral conditions,

the TSM will:

 - (a) identify a replacement, of an age per Section A 2 or Section A 6 of the Provincial Non Spatial Old Growth Order, and of the Same Biogeoclimatic Ecological Classification and Landscape Unit from which the OGMA occurs, prior to the commencement of harvest within that OGMA,
 - (b) forward the replacement area to the responsible Government Agency.

5.2 SCENIC AREAS WITH ESTABLISHED VISUAL QUALITY OBJECTIVES

“Visually Effective Green-up term” for the purpose of this clause means the time lapsed between harvest and the temporal stage where vegetative regeneration is perceived as being a newly established forest as represented by;

- (a) openings where greater than 75% of the net area stocked to the applicable stocking standard with commercially viable trees greater than 1.3 meters and where tree height of the top 100 trees is greater than 3 meters, or
- (b) openings where 40% or more of the basal area of the pre-disturbance stand remaining, or
- (c) openings where tree height and density are not measured and a qualified professional determines that Visual Effective Green-up has occurred using the Visual Quality Effectiveness Evaluation form FS 1239 HFP 04/11 Draft.

The TSM will carry out or authorize timber harvesting or road construction only if the harvesting or construction is consistent with any applicable visual quality objective

- (a) unless the timber harvesting or road construction is required to
 - (i) ensure safety in adjacent areas or the safety of users of adjacent roads,
 - (ii) salvage timber of up to 2 000 m3,
 - (iii) remove wind-thrown or fire damaged timber and/or timber under attack from forest pests,
 - (iv) remove lodgepole pine in **Susceptible Pine Stands**, or
 - (v) provide the only practicable access to adjacent areas to preserve the timber harvesting opportunities,
- (b) Where timber harvesting or road construction is carried out under 5.2 (a) (ii) (iii), (iv) or (v) It will be carried out in accordance visual landscape design principles of Line Force, Natural Character, Edge Treatments, and Leave Patterns identified in the Jan 2001 Visual Assessment guidebook to the extent practicable; with the intent to achieve the applicable visual quality objective following the **Visually Effective Greened up term**.

5.3 SOILS (FPPR S. 5)

If the TSM carries out or authorizes primary forest activities, the intended result or strategy for the objective set by government for soils that is set out in section 5 of the FPPR are sections 35 and 36 of the FPPR. With the following Exception

Section 35 (6) (c), as it applies to Section 35 (4) only, is modified as a strategy to read “return displaced surface soils, retrievable side-cast and berm materials to the extent practicable and necessary to establish and grow trees consistent with the stocking standards”.

5.4 WILDLIFE (FPPR S. 7)

5.4.1 Ungulate Winter Range

- (1) In paragraph (2):

“Early Seral Stands” means stands in the IDF and ICH zones less than 25 years old and stands in the MS and ESSF zones less than 35 years old;

“Moose Cover” means patches of coniferous stands of height equal to or greater than 16m that provide snow interception and security cover;

“Moose Forage” means palatable species of plants including *Salix* spp., red-osier dogwood and *Betula* spp that are a food source for Moose;

“Moose Habitat” means wetlands in **Moose Winter Range** that are either 200 metres in length or greater than one hectare in size and that contain habitat features required by Moose as defined by a qualified registered professional;

“Moose Winter Range” means areas identified in the Merritt Timber Supply Area by the Ministry of Environment and provided as spatial data to support the **Notice**;

“Non-contributing Land Base” means all land that does not contain forest or all areas where timber harvesting is not expected to occur as described in the Merritt Timber Supply Review 2 (TSR2);

“Total Habitat Required” means the total amount of habitat specified in the **Notice** for this species;

“Visual Screening” means vegetation and/or topography providing visual obstruction that makes it difficult to see into adjacent areas from the roadbed;

“Notice” means the notice given under section 7 (2) of the FPPR, dated December 30, 2004, and entitled “Notice – Indicators of the Amount, Distribution and Attributes of Wildlife Habitat Required for the Winter Survival of Ungulate Species in the Merritt Timber Supply Area”;

“Snow Interception Cover” for the purpose of this FSP means:

- (a) for Mule Deer, Elk and Bighorn sheep, mature coniferous stands typically;
- (i) comprised of >70% Douglas fir with a minimum age of 120,
 - (ii) for deep (comprised of ESSF and ICH) a crown closure equal to or greater than 46% (as identified in the forest cover attributes at the time of the design of the cutblock), and
 - (iii) for moderate (comprised of IDFdk1, IDFdk2, IDFdk3, IDFunk, MS) a crown closure equal to or greater than 36 % (as identified in the forest cover attributes at the time of the design of the cutblock),
 - (iv) for shallow (comprised of PG, PP, IDFxh2) a crown closure equal to or greater than 0% (as identified in the forest cover attributes at the time of the design of the cutblock),

- (b) for Mountain Goat, mature coniferous forest with preference given to Douglas-fir leading stands equal to or greater than 12 m in height with a crown closure class equal to or greater than 7.
- (2) If the TSM carries out or authorizes primary forest activities within an area in the FDU that is subject to the Notice, the TSM will
 - (a) for Mule Deer, Elk and Bighorn sheep up to the applicable amount specified in the Notice
 - (i) Develop Ungulate Winter Range planning cells, with the cells being located in the contributing land base if there is insufficient habitat on the Non-contributing Land Base or it is impracticable to identify the non-contributing landbase, and
 - (ii) Subject to (iii) within each planning cell, not carry out forest activities that cause the amount of snow interception cover to drop below
 - (A) 33% **Snow Interception Cover** in the Moderate Snowpack Zone which is comprised of the IDFdk1, IDFdk2, IDFdk3, IDFunk, and MS Biogeoclimatic zones, and
 - (B) 15% of the **Snow Interception Cover** in the Shallow Snowpack Zone which is comprised of the BG, PP, IDFxh2 Biogeoclimatic zones, and
 - (C) 40% of the Snow Interception Cover in the Deep Zone which is comprised of ESSF and ICH Biogeoclimatic Zones
 - (iii) Where the TSM identifies that:
 - (A) The area identified in (ii) is not available or
 - (B) timber harvesting or road construction is required to
 - (I) ensure safety in adjacent areas or the safety of users of adjacent roads,
 - (II) salvage timber of up to 2 000 m3,
 - (III) remove wind-thrown timber and/or timber under attack from forest pests,
 - (IV) remove lodgepole pine that is at risk from the mountain pine beetle, or
 - (V) provide the only practicable access to adjacent areas to preserve the timber harvesting opportunities,

The TSM will substitute available area that meet the following criteria as surrogate or recruitment Snow interception cover in accordance with the Step Down Table below

Step Down when Snow Interception Cover attributes are not available

Rank Order	Species	Age (years) (FIP age)	Canopy Closure (%) (FIP
------------	---------	-----------------------	-------------------------

			crown closure)
1	Douglas-fir > 70%	> 81	> 35
2	Douglas-fir > 50%	> 81	> 35
3	Douglas-fir > 50%	> 81	> 15
4	Douglas-fir > 30%	> 81	> 15

(b) for moose, up to the applicable amount specified in the Notice,

- (i) Retain equal to or greater than 15% of the net forested land base in **Early Seral Stands** within a moose planning cell area of 200-600 hectares;
- (ii) over one rotation, retain 33% of **Moose Cover** of which 50% or greater will be in patches at least 20 ha in size. Where practicable, **Moose Cover** patches will be located in close proximity to **Moose Habitat**;
- (iii) where present, retain **Visual Screening** between roads and **Moose Habitat** for those roads that are located within **Moose Habitat**;
- (iv) retain or promote **Moose Forage** during silviculture activities (including brushing, weeding and stand tending) unless retaining **Moose Forage** may impede the ability of a stand to reach free growing status.
- (v) (i), (ii), (iii), and (iv) do not apply where timber harvesting or road construction is required to
 - (A) ensure safety in adjacent areas or the safety of users of adjacent roads,
 - (B) salvage timber of up to 2,000 m³,
 - (C) remove wind-thrown timber and/or timber under attack, or has been impacted by forest pests or damaged by fire,
 - (D) remove lodgepole pine that is at risk from the mountain pine beetle, or
 - (E) provide the only practicable access to adjacent areas to preserve the timber harvesting opportunities,
- (vi) where (i), (ii), (iii), and (iv) do not apply, except for (v) (A), a qualified professional will be engaged to identify mitigative impacts to cover and forage attributes listed in the strategy

(c) for Mountain Goat,

- (i) within 200 m of escape terrain (including rock outcrops or cliffs with slopes >55% and <175%), utilize existing Old Growth Management Areas, Wildlife Tree Retention or other reserves established to protect additional resource values and inoperable areas to retain if there is insufficient habitat on the Non-contributing Land Base or it is impracticable to identify the non-contributing landbase:
 - (A) a minimum of 67% of the forested area in Moderate or Late Seral (i.e. greater than 40 years of age or greater than 11 m in height), and

- (B) a minimum of 50% basal area of available Snow Interception Cover, and
- (ii) in occupied Mountain Goat Winter Range, locate and design cutblocks and roads to conserve mountain goat habitat.
- (iii) (i) or (ii) do not apply where timber harvesting or road construction is required to
 - (A) ensure safety in adjacent areas or the safety of users of adjacent roads,
 - (B) salvage timber of up to 2 000 m³,
 - (C) remove wind-thrown timber and/or timber under attack, or has been impacted by forest pests or damaged by fire,
 - (D) remove lodgepole pine that is at risk from the mountain pine beetle, or
 - (E) provide the only practicable access to adjacent areas to preserve the timber harvesting opportunities,
- (iv) where (i) or (ii) do not apply, except in (iii) (A), a qualified professional will be engaged to identify mitigative impacts to cover and forage attributes listed in the strategy

5.4.2 Species at Risk

- (1) In paragraph (2):

“Notice” means the notice given under section 7 (2) of the FPPR, dated December 30, 2004, and entitled “Notice – Indicators of the Amount, Distribution and Attributes of Wildlife Habitat Required for the Survival of Species at Risk in the Cascades Forest District”;

“specified applicable habitat” means

- (a) for Coastal Tailed Frog, 1480 ha (53% of the total amount specified in the Notice), with up to 629 ha in the mature timber harvesting landbase (53% of the total amount specified in the Notice), if there is insufficient habitat on the Non-contributing Land Base or it is impracticable to identify the non-contributing landbase,
- (b) for “Great Basin” Gopher Snake, 2360 ha (59% of the total amount specified in the Notice), with 0 ha in the mature timber harvesting landbase,
- (c) for Flammulated Owl, 3604 ha (89% of the total amount specified in the Notice), with up to 2803 ha in the mature timber harvesting landbase (89% of the total amount specified in the Notice), if there is insufficient habitat on the Non-contributing Land Base, or it is impracticable to identify the non-contributing landbase
- (d) for “Interior” Western Screech-Owl, 13ha (29% of the total amount specified in the Notice), with up to 6 ha in the mature timber harvesting landbase (29% of the total amount specified in the Notice), if there is insufficient habitat on the Non-contributing Land Base, or it is impracticable to identify the non-contributing landbase

- (f) for Spotted Bat, 7 ha (43% of the total amount specified in the Notice), with up to 2 ha in the mature timber harvesting landbase (43% of the total amount specified in the Notice), if there is insufficient habitat on the Non-contributing Land Base or it is impracticable to identify the non-contributing landbase, and
 - (g) for Grizzly Bear, 5211 ha maximum and an amount of area equal to a mature timber harvesting landbase impact of no more than 521 ha or it is impracticable to identify the non-contributing landbase.
- (2) If the TSM carries out or authorizes primary forest activities within an area in the FDU that is subject to the Notice, the TSM will
- (a) for Coastal Tailed Frog, until the specified applicable habitat is met,
 - (i) assess potential habitat for the presence of this species;
 - (ii) consult the General Wildlife Measures for direction on activities in approved Coastal Tailed Frog Wildlife Habitat Areas;
 - (iii) locate and design cutblocks and roads so as to conserve occupied habitat in accordance with the Coastal Tailed Frog Accounts and Measures for Managing Identified Wildlife (Identified Wildlife Management Strategy Version 2004) and/or other pertinent information; and
 - (iv) consider Coastal Tailed Frog Known Locations when establishing Wildlife Tree Retention.
 - (b) for "Great Basin" Gopher Snake, until the specified applicable habitat is met
 - (i) assess potential habitat for the presence of this species;
 - (ii) locate and design cutblocks and roads so as to conserve occupied habitat in accordance with the "Great Basin" Gopher Snake *Accounts and Measures for Managing Identified Wildlife* (Identified Wildlife Management Strategy Version 2004), and
 - (iii) consider "Great Basin" Gopher Snake Known Locations when establishing Wildlife Tree Retention,
 - (c) for Flammulated Owl, until the specified applicable habitat is met
 - (i) assess potential habitat for the presence of this species;
 - (ii) locate and design cutblocks and roads so as to conserve occupied Flammulated Owl habitat in accordance with the Flammulated Owl *Accounts and Measures for Managing Identified Wildlife* (Identified Wildlife Management Strategy Version 2004) and/or other pertinent information, and
 - (iii) consider Flammulated Owl Known Locations when establishing Wildlife Tree Retention,
 - (d) for "Interior" Western Screech-Owl, until the specified applicable habitat is met
 - (i) assess potential habitat for the presence of this species;

- (ii) locate and design cutblocks and roads so as to conserve occupied “Interior” Western Screech-Owl habitat in accordance with the “Interior” Western Screech-Owl *Accounts and Measures for Managing Identified Wildlife* (Identified Wildlife Management Strategy Version 2004), and
 - (iii) consider “Interior” Western Screech-Owl Known Locations when establishing Wildlife Tree Retention,
- (e) for Spotted Bat, until the specified applicable habitat is met
 - (i) assess potential habitat for the presence of this species; and
 - (ii) locate and design cutblocks and roads so as to conserve occupied Spotted Bat habitat so as to conserve the habitat in accordance with the Spotted Bat *Accounts and Measures for Managing Identified Wildlife* (Identified Wildlife Management Strategy Version 2004), and
 - (iii) Consider Spotted Bat Known Locations when establishing Wildlife Tree Retention, and
- (f) for Grizzly Bear, until the specified applicable habitat is met
 - (i) locate and design cutblocks and roads so as to conserve the occupied Grizzly Bear habitat in the North Cascades Grizzly Bear Watersheds Recovery Plan Spine area identified by the Ministry of Environment in the Merritt TSA so as to
 - (A) identify and mitigate impact on areas of important habitat by attributes identified in Schedule 1 of the Notice, and known important habitat features (denning sites), and
 - (B) conserve the habitat in accordance with the Grizzly Bear *Accounts and Measures for Managing Identified Wildlife* (Identified Wildlife Management Strategy Version 2004); and
 - (C) manage access in Grizzly Bear habitat by applying the principles of the Identified Wildlife Provisions access management in the Grizzly Bear *Accounts and Measures for Managing Identified Wildlife* (Identified Wildlife Management Strategy Version 2004) as practicable;
 - (ii) consider proposed Grizzly Bear Habitat when establishing Wildlife Tree Retention.
 - (iii) apply the accounts and measures to the proposed WHA in the Merritt TSA

5.5 WATER, FISH, WILDLIFE & BIODIVERSITY WITHIN RIPARIAN AREAS (FPPR S. 8)

In relation to the objective set by government for water, fish, wildlife and biodiversity set out in section 8 of the FPPR, the intended results or strategies that apply to primary forest activities carried out or authorized by the TSM are:

- (a) the requirements of section 47(4) to (6), 48(3) to (5), 49 (2), 49(3), 50 (1), 51(3), 52(2), 53 of the FPPR, and
- (b) to retain at the completion of harvest, at minimum an average basal area, distributed or grouped within the riparian management zone of a cutblock, or;
to retain at the completion of harvest, at minimum an average basal area distributed or grouped within the riparian management zone associated with the length of the stream that includes the cutblock, up to 500m up-stream and 500m down-stream of the cutblock, aligned with the stream length, with intent to provide reasonable alternate;

That are equivalent to the percent of the pre-harvest basal area within that management zone in accordance with the following:

- (i) for S1-A, S1-B, S2, S3; 20%
- (ii) for S-4, S-5 10%
- (iii) for S-6 0%

- (c) to retain at the completion of harvest, at minimum an average basal area, distributed or grouped within the riparian management zone of a cutblock, or;
to retain at minimum an average basal area distributed or grouped within the riparian management area of the entire wetland or lake.

That are equivalent to the percent of the pre-harvest basal area within the management zone in accordance with the following:

- (i) for W1, W2, W3, W4 and W5 wetlands, 10%
- (ii) for L2, L3 and L4 lakes, 10%

- (d) as per 12.3 (5) The TSM is exempt from FPPR 51(1); The following strategy replaces the FPPR 51 (1):

The TSM will not cut modify or remove trees from the riparian reserve zone, except for the following purposes

- (i) to ensure safety in adjacent areas or the safety of users of adjacent roads,
- (ii) to remove trees within 5 m of either side of a skid crossing,
- (iii) to remove wind-thrown or fire damaged timber and/or timber under attack from forest pests,
- (iv) to remove lodgepole pine from **Susceptible Pine Stands**,
- (v) to provide the only practicable access to adjacent areas to preserve the timber harvesting opportunities,
- (vi) to fell or modify trees for the purpose of establishing or maintaining an interpretative site, facility or trail,
- (vii) to facilitate cable or aerial yarding systems for areas being harvested,
- (viii) to top, cut or prune a tree that is not wind firm,
- (ix) to construct a stream crossing.

Where (d) (ii), (d) (iii), (d) (iv), (d) (v), (d) (vii) apply, the riparian management and reserve area will be increased proportionately in adjacent areas and/or the basal area in the adjacent areas will be increased, where practicable, to account for loss of basal or riparian areas.

5.6 WATER IN COMMUNITY WATERSHEDS (FPPR S. 8.2)

“Equivalent Clearcut Area” (ECA) means the area that has been clearcut, with a reduction factor to account for the hydrological recovery due to forest regeneration

“Qualified Professional” is a professional as described in FPPR Section 22.1 (1) (a) (b) (c), (d) that has sufficient experience and training to allow them to practice in relation to the matter subject of this FSP Section 5.6

The TSM will carry out or authorize primary forest activities within a community watershed to which the objective set by government in section 8.2 of the FPPR applies, only if

- (a) the cutblocks and roads are located, designed and managed so as to prevent the cumulative hydrological effects of the forest activities from resulting in any material adverse effect described in section 8.2 of the FPPR, by:
 - (i) conducting assessments by qualified professionals where ECA exceeds 30% for the watershed or sub-basin affected by the proposed development,
 - (ii) following the recommendations of the assessment in primary forest activities and timing that will not result in significant risks of adverse affect, and
- (b) the primary forest activities conform with the requirements of sections 59 to 61 of the FPPR.

5.7 WILDLIFE & BIODIVERSITY – LANDSCAPE LEVEL (FPPR S. 9)

If the TSM carries out or authorizes primary forest activities, the primary forest activities will, subject to (1) conform with Sections 64 and 65 of the FPPR.

- (1) Further to Section 64 (2) (a) (i), and 65 (2) (b), Sub section 64 (1) does not apply where the timber harvesting is being carried out on the block to address **Susceptible Pine Stands** where the TSM ensures, to the extent practicable that the structural characteristics of the cutblock after timber harvesting has been substantially completed resemble an opening that would result from a natural disturbance.

5.8 WILDLIFE & BIODIVERSITY – STAND LEVEL (FPPR S. 9.1)

- (a) If the TSM carries out or authorizes timber harvesting in one or more cutblocks in a landscape unit during any 12 month period beginning on April 1 of any calendar year, the TSM will ensure that:
 - (i) at the end of the 12 month period, for the blocks authorized, the minimum

percentage of Wildlife Tree Retention area related to the total area of those blocks is a minimum of 7% for the total area of the cutblocks,

(ii) and 3.5% for any individual cutblock authorized in the 12 month period

- (b) During timber development the TSM will develop Wildlife Tree Retention Areas as determined through an evaluation performed by a qualified person,
- (c) Wildlife Tree Retention Areas for the purpose of (a) a wildlife retention area can relate to more than one cutblock, and may include contribution from suitable dispersed trees or groups of trees according to the relative basal area represented by the retention trees compared to the pre-disturbance or typical mature forest cover basal area. Where available and practicable BCTS will retain area within cutblocks such that there is no more than 500 m from other areas of cover of at least 0.25 hectares in size whether inside or outside the cutblock
- (d) If the TSM carries out or authorizes primary forest activities that impact WTP areas associated with another cutblock, then prior to carrying out those activities the TSM will identify replacement wildlife tree retention areas that are at least equivalent to the portion of the wildlife tree area retention area from which the timber is being harvested, and associate this new area with that cutblock.
- (e) Subject to (d) the primary forest activities will conform to section 67 of the FPPR.

5.9 CULTURAL HERITAGE RESOURCES (FPPR S. 10)

"Evaluation" means an assessment of the potential for impact of proposed development projects which will disturb or alter the landscape, including making reasonable efforts to share information with First Nations, whether the assessment consists of a site visit or not, and based on information available to BCTS

In relation to the objective set by government for cultural heritage resources set out in section 10 of the FPPR, the results or strategies that apply to each FDU are:

The TSM will:

- (a) follow any development specific or general protocols developed by British Columbia Timber Sales, in conjunction with the aboriginal group or individual in accordance with their traditional use areas or
- (b) in the absence of a general or specific protocol,
 - (i) provide the general location of cut blocks and roads outside cutblocks in the form of a reference map to the Ministry of Forests and Range and the aboriginal group at least a 60 day period before authorizing cutting or road building for the area proposed for development
 - (ii) before The TSM carries out or authorizes timber harvesting or road construction, the TSM will ensure that an evaluation in respect of cultural heritage resources to which the objective applies is conducted within areas
 - (A) that contain significant cultural heritage resources previously identified to BCTS,

- (B) that are identified as having “high potential” within an established archaeological predictive map or model for the area, or
 - (C) for which development-specific information regarding applicable cultural heritage resources is brought forward or made available to the TSM by an aboriginal people or government employee,
- (iii) if the TSM receives site specific information concerning a cultural heritage resource to which the objective applies that is in or adjacent to a proposed cutblock or road, prior to the end of the 60 day period referred to in (i), the TSM will
- (A) record the location of the cultural heritage resource,
 - (B) evaluate the direct impact of the road or cutblock on the cultural heritage resource,
 - (C) modify the design of the cutblock or road to mitigate impact as practicable such that the cultural heritage resource is conserved, or if necessary protected considering such factors as:
 - (I) the relative value or importance of the cultural heritage resource to a traditional use by an aboriginal people,
 - (II) the relative abundance or scarcity of the cultural heritage resource, and
 - (III) the historical extent of the traditional use of the cultural heritage resource, and
 - (D) communicate the mitigative action to the person that provided the site-specific information,
- (iv) subject to paragraph (v), primary forest activities will be consistent with the recommendations given in the evaluation referred to in paragraph (iii) and any outcomes described in paragraph (iii), and
- (v) if a previously unidentified cultural heritage resource to which the objective applies is encountered during harvesting, road construction or mechanical site preparation, operations will
- (A) cease to the extent necessary to protect the feature, until an evaluation can be carried out, and
 - (B) continue in a manner that is consistent with the recommendations given in the evaluation.

6 MEASURES

6.1 PREVENTING THE INTRODUCTION OR SPREAD OF INVASIVE PLANTS (FRPA 47)

High Risk Invasive Plants for the purpose of this FSP are: Marsh Plume Thistle (*Cirsium palustre*), Rush Skeleton Weed (*Chondrilla juncea*), Common Bugloss (*Anchusa officinalis*), Plumeless Thistle (*Carduus acanthoides*), Hoary Alysum (*Berteroa incana*), Field Scabious (*Knautia arvensis*) and Leafy Spurge (*Euphorbia esula*).

If the TSM carries out or authorizes primary forest activities, the measures for the purposes of section 47 of the Act are;

- (a) Outside the Net Area to be reforested (NAR), for Permanent Access Structure, Temporary Access Structure, and Excavated or Bladed Trails; within 2 spring seasons of completing timber harvesting or road construction on an area, the TSM will cause to have seeded with a blend of certified seed, mineral soil exposed as a result of the those harvest and construction activities authorized under this FSP except for active running surfaces of roads.
- (b) Outside the NAR, for Permanent Access Structure, Temporary Access Structure, and Excavated or Bladed Trails ; within 1 year of deactivation of a road or landing, or deactivation of a bladed trail in a community watershed, TSM will cause to have seeded with a blend of certified seed, mineral soil exposed as a result of the those harvest and construction activities authorized under this FSP.
- (c) within 1 year of cessation of use of an exposed borrow or gravel pit, the TSM will cause to have seeded exposed areas.
- (d) in areas identified by Ministry of Forests Operations Division, or through information gathered by BCTS, as high risk as indicated by invasive plant presence and access use frequency, BCTS will employ deactivation measures, designed to restrict vehicular traffic, upon cessation of road use.
- (e) for areas within the NAR, and within 500 m of known occurrence of the **high risk invasive Plants**
 - (i) The TSM will cause to have seeded with a blend of certified seed, contiguous areas of exposed mineral soil greater than 0.1ha resulting from harvest, construction and deactivation activities authorized under this FSP,.
 - (ii) The TSM will cause to have seeded with a blend of certified seed, contiguous areas of exposed mineral soil greater than 0.1ha disturbed by silviculture activities authorized under this FSP, giving consideration for reforestation objectives.
 - (iii) The TSM will cause to have visually inspected, and any visual evidence of those plants removed from; harvest, construction and site preparation equipment, prior to moving the equipment from the site.
- (f) areas referred to in subsection (a), (b), (c) and (e) (i) will be monitored through sampling, the growing season following seeding and, where evidence of vegetation establishment is not observed, action will be taken to establish vegetation with intent to meet the objective.
- (g) record and report observed new occurrence of invasive plant infestations on BCTS responsibility roads to the MoFR within one year of discovery

6.2 MITIGATING THE LOSS OF NATURAL RANGE BARRIERS (FRPA 48)

The measures in respect of section 48 of the Act are that the TSM will:

- (a) inform each the affected holders of agreements under the *Range Act* of the general area of planned harvest and road construction within or adjacent to their agreement;
- (b) where the affected holder of an agreement under the *Range Act* identifies a range barrier, and if requested by BCTS, demonstrates that the planned harvest and road construction will remove or render ineffective a significant vegetative or physical natural range barrier between licensed range users or pastures that he will rely on to control stock movement, the TSM will:
 - (i) design cutblocks and roads to mitigate the effect of the removal or ineffectiveness, and

- (ii) carry out or authorize forest practices only if the forest practices are consistent with the mitigative design for the cutblock or road referred to in subparagraph (i),
- (iii) or mitigate the effect of natural range barrier removal by some other means.

7 OBJECTIVES FOR RECREATION TRAILS, SITES AND INTERPRETIVE FOREST SITES

“Feature” means a Site, Interpretive site, Trail or Lakes established in the **Order**.

“Order” means the Order to Establish Recreation Sites, Recreation Trails, or Interpretive Forest Sites for the Cascades Forest District, Jan 31, 2000.

In order to meet the Order,

- (a) TSM will not:
 - (i) authorize or carry out primary forest in areas identified as semi primitive in the objective,
 - (ii) authorize or construct a new road within 50m of a feature identified as non motorized in the objective,
 - (iii) cause to have existing levels of access rendered ineffective where that access is maintained by or on behalf of other users,
 - (iv) authorize or conduct primary forest activities within 10 m (slope distance) of a shore where shoreline and or natural vegetation conservation is identified in the objective for that feature,
 - (v) authorize or conduct activities within 10 meters slope distance of a feature identified for conservation of a shore or shore and natural vegetation,
 - (vi) authorize or conduct machine ground traffic or remove wind firm woody vegetation from within 2.5 m of a site identified for conservation of vegetation,
 - (vii) authorize or conduct or allow motorized use of a trail that prohibits such use, or,
 - (viii) cause to have a trail or site rendered ineffective.
- (b) (a) (i), (a) (ii), (a) (iii), (a) (iv), (a) (v), (a) (vi), (a) (vii), (a) (viii) do not apply to the extent:
 - (i) necessary to remove trees within 2.5m of a trail or site where those trees pose a forest health or wind throw risk,
 - (ii) necessary to provide trail crossing where no other practicable option exists,
 - (iii) necessary to provide for the use of a prohibited trail to the extent necessary to facilitate harvesting or road construction and use on or contiguous to that trail, or
 - (iv) that the Ministry responsible for the site objectives agrees to specific proposed activities, and the specified activities are carried out under the conditions of the

agreement.

- (c) Where features are in or immediately adjacent to road, or harvest activities carried out or authorized by the TSM, the TSM will cause an inspection to be carried out to determine conformance.

8 STOCKING REQUIREMENTS

- (a) Section 44 (1) of the FPPR applies in all situations or circumstances under this FSP where a free growing stand is required to be established under section 29 of the FRPA.
- (b) Appendix B specifies the regeneration date, free growing height and stocking standards for the situations or circumstances where section 44 (1) of the FPPR applies.
- (c) If the TSM carries out or authorizes harvesting of special forest products, intermediate cuts or commercial thinning from an area, the stocking standards in Appendix B-2 will be maintained on the area for twelve months following the completion of the harvesting.

9 APPENDICES

APPENDIX A - STOCKING STANDARDS

GENERAL STANDARDS

1 Coniferous stocking standards

For the purposes of Stocking and Free-Growing surveys, tree acceptability and damage criteria, for both a) single layer and b) multi-layer, will be based on the Establishment to Free Growing Guidebook: Kamloops Forest Region, May 2000 – Version 2.2 (ETFG), or equivalent future guidelines.

a) Single layer

Except as noted below in, "VARIATIONS TO GENERAL STANDARDS", the coniferous stocking standards in Appendix B-1, apply to all blocks being managed as single layer coniferous stands.

b) Multi-layer

Except as noted below in, "VARIATIONS TO GENERAL STANDARDS", the multi-layer stocking standards in Appendix B-2 apply to all blocks that are being managed as multi-layer coniferous stands. The preferred and acceptable species to be retained are noted in the coniferous stocking standards in Appendix B-1.

2 Minimum Inter-tree Distance

The Site plan may specify, on a standard unit basis, a reduction in the minimum inter-tree distance to 1.6 meters from the 2 meters stated in the Stocking Standards (Appendix B-1) if the standard unit exhibits the following characteristics, as per the Establishment to Free Growing Guidebook: Kamloops Forest Region – Version 2.2 May 2000:

- Hygric or wetter sites
- Very rocky or shallow soils
- Areas with high potential for cattle congregation
- Sites where the number of wildlife trees being managed interferes with planting distribution that affects target densities
- Riparian areas with a high residual component
- Sites that are to be managed for root rot
- Partial cut areas with an abundance of residual regeneration
- Very harsh sites where protected microsites are critical (e.g. shaded areas, snow creep)

Minimum Inter-tree distance for Grizzly Bear Habitat

Where the Site Plan specifies cluster planting for the management of Grizzly Bear Habitat, the minimum inter-tree distance within the clump may be reduced to 1.0m. The site plan will also specify a number of trees per cluster using a minimum of 10 trees and a maximum of 30 trees. Note the Stocking Standards in Appendix B-1.

3 Maximum Density

The maximum density for stands having a leading component of lodgepole pine (Pli), a minimum of 80% of the inventory label, will be 25,000 countable stems per hectare.

The maximum density of all other species will be 10,000 countable stems per hectare.

4 Additional criteria for stands containing white pine

Where white pine (Pw) is an acceptable species in the attached stocking standards, planted rust resistant stock will be considered preferred, to a maximum of 50% of the total preferred and acceptable well-spaced stems.

Where natural regeneration or non-rust resistant planted Pw comprise 5% or more of the stems required to achieve free growing numbers, the natural or non-resistant planted stems are to be pruned to a height of 1.3 m. Stems are to be pruned only after they have reached a height that will ensure no less than 30% live crown remains following pruning.

Where natural regeneration or non-rust resistant planted Pw comprise <5% of the stems required to achieve free growing numbers, then un-pruned Pw may be accepted as free growing stems.

VARIATIONS TO GENERAL STANDARDS

Despite sections 1 to 4 of this appendix, the TSM may apply the following stocking standards in the following circumstances;

Uneven aged minimum basal area to be retained

On areas being managed as uneven aged, the minimum basal area to be retained will be 40% of the total pre-harvest basal area

Regeneration date and free-growing date for coniferous stocking standards

A regeneration date of 4 years, as specified in Appendix B-1, may be extended to 7 years when natural ingress is deemed to be an appropriate regeneration method.

The earliest free growing date will be the date regeneration delay has been achieved plus five years for the Interior Douglas-fir (IDF), Montane Spruce (MS), Ponderosa Pine (PP), and Coastal Western Hemlock (CWH) zones, and the date regeneration delay has been met plus eight years for the Engelmann Spruce Sub-alpine Fir (ESSF) zone.

Riparian management considerations

Aspen, cottonwood, and birch as well as willow and alder within 5 meters of a temperature sensitive stream, or fish-bearing stream, are not considered brush competition when conducting a free growing survey.

Alternate Species and Root Rot

Where the Site Plan specifies that alternate species are required for the management of root rot, species shown as “tertiary” or “broadleaf” in Appendix B-1 may be considered as acceptable.

Tertiary Species

Where specified by the Site Plan, a species shown as tertiary in Appendix B-1 may be considered as acceptable if it is present in the pre-harvest stand, is expected to form a component of the free growing stand while meeting the healthy tree definition or is otherwise deemed appropriate by a RPF. When assessing the suitability of a tertiary species, the footnotes shown in Appendix B-3 are to be used as guidelines only.

The TSM will use the Biogeoclimatic zone spatial data, published April 2006 as provided by the Ministry of Forests and Range, and this information will be used for the term of the FSP. Where there is no guideline Stocking Standard listed in Appendix B-1 for new Biogeoclimatic Zones, the TSM will revert to the Previous Biogeoclimatic Zone Subzone and apply the stocking guideline associated with that classification.

APPENDIX B -1- CONIFEROUS STOCKING STANDARDS

BGC		Regeneration	Guide											Free	Growing	Guide
Classification		Species				Stocking(i)			Post Spacing		Minimum Inter-tree Distance	Tree Height/ brush ratio (%)	Regen	Latest Assessment Date (yrs)	Min. Height(ii)	
		Conifer			Broadleaf	Target	MIN pa	MIN p	Density (sph)				Delay		Species	Ht
Zone/SZ	Series	Preferred (p)	Acceptable (a)	Tertiary		(well- spaced/ha)			Min	Max			(Max yrs)			(m)
ESSFdc2	01	PI Se	BI			1200	700	600	700	4000	2	125	4	20	PI	1.6
															Others	0.8
	02	PI	BI Se			-	-	-					-	-	-	-
	03	PI	BI ¹³ Pa ^{9,17} Se			1000	500	400	500	4000	2	125	7	20	PI	1.2
															Others	0.6
	04	PI	BI ¹³ Se			1000	500	400	500	4000	2	125	7	20	PI	1.2
															Others	0.6
	05	PI Se	BI ^{10,13}			1000	500	400	500	4000	2	125	7	20	PI	1.2
															Others	0.6
	06	PI Se	BI			1200	700	600	700	4000	2	125	4	20	PI	1.6
															Others	0.8
	07	PI Se ³²	BI			1200	700	600	700	4000	2	125	4	20	PI	1.6
															Others	0.8
	08	PI ¹ Se ^{1,32}	BI ^{1,32}			1000	500	400	500	4000	2	125	4	20	PI	1.2
	08 Griz	PI ¹ Se ^{1,32}	BI ^{1,32}			500	300	300	500	4000	1	125	4	20	PI	1.2
															Others	0.6

BGC		Regeneration	Guide											Free	Growing	Guide
Classification		Species				Stocking(i)			Post Spacing		Minimum Inter-tree Distance	Tree Height/ brush ratio (%)	Regen	Latest Assessment Date (yrs)	Min. Height(ii)	
		Conifer			Broadleaf	Target	MIN pa	MIN p	Density (sph)				Delay		Species	Ht
Zone/SZ	Series	Preferred (p)	Acceptable (a)	Tertiary		(well- spaced/ha)			Min	Max			(Max yrs)			(m)
ESSFmw	01	Se	Ba ¹⁷ Bl ¹³	Pl ³⁴		1200	700	600	700	4000	2	125	4	20	Pl	2.0
ESSFmw1															Others	1.0
	02	Pl Fd ^{9,14} Se ^{10,13}		Bl ^{10,13} Pa ^{9,13,18}		1000	500	400	500	4000	2	125	7	20	Pl	1.4
															Others	0.8
	03	Pl Fd ^{9,14} Se		Bl ¹³ Pa ^{9,13,18}		1000	500	400	500	4000	2	125	7	20	Pl	1.4
															Others	0.8
	04	Pl ³⁴ Se Fd ^{9,14,34}	Ba ¹⁷ Bl ^{10,13}			1200	700	600	700	4000	2	125	7	20	Pl	2.0
															Others	1.0
	05	Bl ¹³ Se	Ba ¹⁷	Pl ³⁴		1200	700	600	700	4000	2	125	4	20	Pl	2.0
															Others	1.0
	06	Bl Se	Ba ¹⁷	Pl ³⁴		1200	700	600	700	4000	2	125	4	20	Pl	2.0
															Others	1.0
	07	Ba ¹⁷ Se	Bl Pl ³⁴ Cw ^{14,32}	Hw ^{14,32}		1000	500	400	500	4000	2	125	4	20	Pl	1.4
															Others	0.8
	08	Bl ¹ Se ¹	Pl ^{1,34}	Ba ¹⁷		1000	500	400	500	4000	2	125	4	20	Pl	1.4
	08 Griz	Bl ¹ Se ¹	Pl ^{1,34}	Ba ¹⁷		500	300	300	500	4000	1	125	4	20	Pl	1.2
															Others	0.8
ESSFxc1	01	Pl Se32	Bl10,13			1200	700	600	700	4000	2	125	4	20	Pl	1.6
ESSFxc2															Others	0.8
	02	Pl	Bl ¹³ Se			600	400	400	400	4000	2	125	7	20	Pl	1.2
															Others	0.6
	05	Pl	Bl ¹³ Se			1000	500	400	500	4000	2	125	7	20	Pl	1.2
															Others	0.6
	06	Pl Se	Bl ¹³			1200	700	600	700	4000	2	125	7	20	Pl	1.6
															Others	0.8
	07	Pl Se ³²	Bl ³²			1200	700	600	700	4000	2	125	4	20	Pl	1.6
															Others	0.8
	08	Pl ¹ Se ^{1,32}	Bl ^{1,32}			1000	500	400	500	4000	2	125	4	20	Pl	1.2
	08 Griz	Pl ¹ Se ^{1,32}	Bl ^{1,32}			500	300	300	500	4000	1	125	4	20	Pl	1.2
															Others	0.6

BGC		Regeneration	Guide											Free	Growing	Guide
Classification		Species				Stocking(i)			Post Spacing				Regen		Min. Height(ii)	
		Conifer			Broadleaf	Target	MIN pa	MIN p	Density (sph)		2	125	Delay	20	Species	Ht
IDFdk1(1a)	01	Fd32 PI	Py ^{9,14} Sx ^{10,13}	Lw ^{9,14,23,32}	At ^a	1000	500	400	500	4000	2	125	7	20	PI	1.0
															Lw	1.0
															Fd	0.8
															Sx	0.6
															Py	0.6
	02	Fd ²⁷ Py ^{9,14}			At ^b	600	400	400	400	4000	2	125	7	20	PI	1.0
															Fd	0.8
															Py	0.6
	03	Fd PI	Py ^{9,14,23}		At ^b	600	400	400	400	4000	2	125	7	20	PI	1.0
															Fd	0.8
															Py	0.6
	04	Fd PI	Py ^{9,14} Sx ^{10,13}		At ^b	1000	500	400	500	4000	2	125	7	20	PI	1.0
															Fd	0.8
															Others	0.6
	05	Fd ^{9,14,32} Sx	Bl ^{10,13} PI	Lw ^{9,14,23,32}	Act ^a At ^a Ep ^b	1000	500	400	500	4000	2	125	7	20	PI, Lw	1.0
															Fd	0.8
															Others	0.6
	06	PI ¹ Sx ¹ Fd ^{1,32}	Bl ¹		Act ^a At ^b Ep ^b	1000	500	400	500	4000	2	125	4	20	PI	1.0
															Fd	0.8
	06 Griz	PI ¹ Sx ¹ Fd ^{1,32}	Bl ¹		Act ^a At ^b Ep ^b	500	300	300	500	4000	1	125	4	20	Fd PI	0.8
															Others	0.6
	07	non-forested				-	-	-					-	-	-	-

BGC		Regeneration	Guide											Free	Growing	Guide
Classification		Species				Stocking(i)			Post Spacing				Regen		Min. Height(ii)	
		Conifer			Broadleaf	Target	MIN pa	MIN p	Density (sph)				Delay		Species	Ht
IDFdk2(2a)	01	Fd ³² Pl	Py ^{9,14} Sx ^{10,13}	Lw ^{23,32}	At ^b	1000	500	400	500	4000	2	125	7	20	Pl, Lw	1.0
															Fd	0.8
															Sx	0.6
															Py	0.6
	02	Fd ²⁷ Py ¹⁴			At ^b	600	400	400	400	4000	2	125	7	20	Fd	0.8
															Py	0.6
	03	Fd ²⁷ Pl	Py ¹⁴		At ^b	1000	500	400	500	4000	2	125	7	20	Pl	1.0
															Fd	0.8
															Py	0.6
	04	Fd ³² Pl Sx ^{10,13}	Py ^{9,14}	Lw ^{23,32}	At ^a	1200	700	600	700	4000	2	125	7	20	Pl, Lw	1.4
															Fd	1.0
															Py	0.8
	05	Fd ³² Sx Pl	Cw ³²	Bl ^{10,13} Lw ^{23,32}	Act ^a At ^a Ep ^a	1200	700	600	700	4000	2	125	4	20	Pl, Lw	1.4
															Fd	1.0
															Others	0.8
	06	Pl ¹ Sx ¹ Fd ^{1,32}		Bl ¹	Act ^a At ^b Ep ^b	1000	500	400	500	4000	2	125	4	20	Pl	1.0
															Fd	0.8
															Others	0.6
	06 Griz	Pl ¹ Sx ¹ Fd ^{1,32}		Bl ¹	Act ^a At ^b Ep ^b	500	300	300	500	4000	1	125	4	20	Fd Pl	0.8
															Others	0.6
	07	Pl ¹ Sx ¹	Cw ³²	Bl	Act ^a At ^a Ep ^a	1000	500	400	500	4000	2	125	4	20	Pl	1.0
															Others	0.6
	07 Griz	Pl ¹ Sx ¹	Cw ³²	Bl	Act ^a At ^a Ep ^a	500	300	300	500	4000	1	125	4	20	Fd Pl	0.8
															Others	0.6
	08	non-forested				-	-	-					-	-	-	-
IDFxh1	01	Fd ²⁷ Py	Lw ^{1,10,13,32}		At ^b	1000	500	400	500	4000	2	125	7	20	All	0.6
	02*	Py ²⁷ Fd ²⁷				400	200	200	200	4000	2	125	7	20	All	0.6
	03	Py Fd ²⁷				600	400	400	400	4000	2	125	7	20	All	0.6
	04	Py Fd ²⁷				600	400	400	400	4000	2	125	7	20	All	0.6
	05	Py Fd ²⁷				600	400	400	400	4000	2	125	7	20	All	0.6
	06	Fd ²⁷ Py	Lw ^{1,10,13,32}		At ^b	1000	500	400	500	4000	2	125	7	20	All	0.6
	07	Fd Py	Lw ^{1,10,13,32} Cw ³⁷		At ^b	1000	500	400	500	4000	2	125	7	20	All	0.6
	08	Fd ^{1,32} Pl ¹	Cw ³⁷	Lw ^{1,10,13,32} Py ^{1,32}	Act ^a At ^a Ep ^a	1200	700	600	700	4000	2	125	4	20	Pl, Lw	1.0
		Sx													Others	0.8

Merritt TSA Forest Stewardship Plan

BGC		Regeneration	Guide											Free	Growing	Guide
Classification		Species				Stocking(i)			Post Spacing				Regen		Min. Height(ii)	
		Conifer			Broadleaf	Target	MIN pa	MIN p	Density (sph)				Delay		Species	Ht
IDFxh1a	98	Fd ³² Py ³²			At ^a	1200	700	600	700	4000	2	125	4	20	Fd	0.8
															Py	0.6
IDFxh2	01	Fd ²⁷ Py			At ^b	1000	500	400	500	4000	2	125	7	20	All	0.6
	02	Py ²⁷ Fd ²⁷				400	200	200	200	4000	2	125	7	20	All	0.6
	03	Py ²⁷ Fd ²⁷				400	200	200	200	4000	2	125	7	20	All	0.6
	04	Py Fd ²⁷				600	400	400	400	4000	2	125	7	20	All	0.6
	05	Fd ²⁷ Py				1000	500	400	500	4000	2	125	7	20	All	0.6
	06	Fd Py			At ^b	1200	700	600	700	4000	2	125	7	20	All	0.6
	07	Fd ³² Sx	Py ³² Cw ³²		Act ^a At ^a Ep ^a	1200	700	600	700	4000	2	125	4	20	All	0.6
	08	Sx ¹ Fd ^{1,32}	Pl ^{1,23}		Act ^a At ^a Ep ^a	1000	500	400	500	4000	2	125	4	20	Pl	0.6
	08 Griz	Sx ¹ Fd ^{1,32}	Pl ^{1,23}		Act ^a At ^a Ep ^a	500	300	300	500	4000	1	125	4	20	Fd Pl	0.6
															Others	0.6
IDFxh2a	95	Fd ³² Py ³²			At ^a	1200	700	600	700	4000	2	125	4	20	All	0.8
MSdm2	01	Pl Sx Fd ^{9,14,32}	Bl ^{10,13}	Lw ^{14,23,32}	At ^a	1200	700	600	700	4000	2	125	7	20	Pl, Lw	1.4
															Others	0.8
	03	Fd ^{9,14} Pl	Bl ^{10,13} Sx ^{10,13}		At ^b	1000	500	400	500	4000	2	125	7	20	Pl	1.0
															Others	0.6
	04	Pl Fd ^{9,14,32} Sx ^{10,13}	Bl ^{10,13}	Lw ^{14,23,32}	At ^a	1200	700	600	700	4000	2	125	7	20	Pl, Lw	1.4
															Others	0.8
	05	Pl Sx Fd ^{9,14,32}	Bl Cw ³²	Lw ^{14,23,32}	Act ^a At ^a	1200	700	600	700	4000	2	125	4	20	Pl, Lw	1.4
															Others	0.8
	06	Pl Sx Fd ^{9,14,32}	Bl	Lw ^{14,23,32}	Act ^a At ^a	1200	700	600	700	4000	2	125	4	20	Pl, Lw	1.4
															Others	0.8
	07	Pl Sx	Bl		Act ^a At ^b	1000	500	400	500	4000	2	125	4	20	Pl	1.0
															Others	0.8
	07Griz	Pl Sx	Bl		Act ^a At ^b	500	300	300	500	4000	1	125	4	20	Pl	1.0
															Others	0.8

BGC		Regeneration	Guide											Free	Growing	Guide
Classification		Species				Stocking(i)			Post Spacing				Regen		Min. Height(ii)	
		Conifer			Broadleaf	Target	MIN pa	MIN p	Density (sph)		2	125	Delay	20	Species	Ht
(MSxk1,2,3)															Others	0.8
	02	PI Fd ^{9,14}	Bl ^{10,13}			1000	500	400	500	4000	2	125	7	20	PI	1.0
															Others	0.6
	05	PI Fd ^{9,14}	Bl ^{10,13} Sx ^{10,13}			1000	500	400	500	4000	2	125	7	20	PI	1.0
															Others	0.6
	06	PI Fd ^{9,14,32} Sx ^{10,13}	Bl ^{10,13}	Lw ^{9,14,23}	At ^a	1200	700	600	700	4000	2	125	7	20	PI, Lw	1.4
															Others	0.8
	07	PI Fd ^{1,9,14,32} Sx	Bl ^{10,13}			1200	700	600	700	4000	2	125	4	20	PI	1.4
															Others	0.8
	08	PI Sx Fd ^{9,14,32}	Bl		Act ^a At ^a	1200	700	600	700	4000	2	125	4	20	PI	1.4
															Others	0.8
	09	PI ¹ Sx ¹	Bl ¹		Act ^a At ^b	1000	500	400	500	4000	2	125	4	20	PI	1.0
															Others	0.6
	09 Griz	PI ¹ Sx ¹	Bl ¹		Act ^a At ^b	500	300	300	500	4000	1	125	4	20	Fd PI	0.8
															Others	0.6
PPxh1	01	Py ²⁷ Fd ²⁷				400	200	200	10000	200	2	125	7	20	All	0.6
	02*	Py ²⁷ Fd ²⁷				400	200	200	10000	200	2	125	7	20	All	0.6
	03	non-forested				-	-	-					-		-	-
	04	Py ²⁷ Fd ²⁷				400	200	200	10000	200	2	125	7	20	All	0.6
	05	Py ²⁷ Fd ²⁷				400	200	200	10000	200	2	125	7	20	All	0.6
	06	Fd ²⁷ Py			At ^b Ep ^b	600	400	400	10000	400	2	125	7	20	All	0.6
	07	Fd Py				1000	500	400	10000	500	2	125	7	20	All	0.6
	08	Fd ¹ Sx ¹	Py ^{1,32}	PI ^{1,12,23}	Act ^a At ^b Ep ^b	1000	500	400	10000	500	2	125	4	20	All	0.6
PPxh2	01	Py ²⁷ Fd ²⁷				400	200	200	10000	200	2	125		20	All	0.6
	02*	Py ²⁷ Fd ²⁷				400	200	200	10000	200	2	125	7	20	All	0.6
	03	Py ²⁷ Fd ²⁷				400	200	200	10000	200	2	125	7	20	All	0.6
	04	Py ²⁷ Fd ²⁷				400	200	200	10000	200	2	125	7	20	All	0.6
	05	non-forested				-	-	-					-		-	-
	06	Fd ²⁷ Py				600	400	400	10000	400	2	125	7	20	All	0.6
	07	PI ^{1,23} Sx ¹ Fd ¹	Py ¹		Act ^a At ^a Ep ^b	1000	500	400	10000	500	2	125	4	20	All	0.6
	07	PI ^{1,23} Sx ¹ Fd ¹	Py ¹		Act ^a At ^a Ep ^b	500	300	300	500	4000	1	125	4	20	All	0.6

Merritt TSA Forest Stewardship Plan

BGC		Regeneration	Guide											Free	Growing	Guide
Classification		Species				Stocking(i)			Post Spacing				Regen		Min. Height(ii)	
		Conifer			Broadleaf	Target	MIN pa	MIN p	Density (sph)				Delay		Species	Ht
CWHms1	01	Cw Fd Se ^{13,18}	Yc ⁶⁰	Bp ^{7,23}	Act ^b Dr ^b Ep ^b Mb ^b	900	500	400	500	4000	2	150	7	20	Fd	2.25
		Hw ^{10,13,60}													Cw, Hw, Lw, Yc	1.50
		Ba ^{10,13,60,62}											4		Bp, Sw/Se/Sx	1.00
															Ba	0.75
	02*	PI Fd			Ep ^b	400	200	200	200	4000	2	150	3	20	Pw	2.50
															Fd	1.50
															PI	1.25
															Cw, Yc	1.00
															Sw/Se/Sx	0.75
	03	Cw Fd Se ^{13,18}	Ba ^{10,60}	Hw	Act ^b Dr ^b Ep ^b Mb ^b	800	400	400	400	4000	2	150	3	20	Fd	2.25
															Cw, Hw, Lw, Yc	1.50
															Bp, Sw/Se/Sx	1.00
															Ba	0.75
	04	Cw Fd Se ^{13,18}	Hw ^{10,13} Pw ³¹	Bp ²³ Pw ³¹	Act ^{42,a} Dr ^b Ep ^b Mb ^b	900	500	400	500	4000	2	150	3	20	Fd	3.00
		Ba ^{10,13,60,62}													Bg, Pw	2.50
															Cw, Hw, Lw, Yc	2.00
															Bp, Sw/Se/Sx	1.25
															Ba	1.00
	05	Cw Hw Yc ^{13,17}			Act ^b Dr ^b Ep ^b Mb ^b	900	500	400	500	4000	2	150	6	20	Fd	2.25
		Ba ^{10,13,62}													Cw, Hw, Lw, Yc	1.50
															Bp, Sw/Se/Sx	1.00
															Ba	0.75
	06	Cw Fd Yc ^{13,17} Se ¹³	Ba ^{13,61} Bg ^{14,17}	Bp ²³ Hw	Act ^{41,a} Dr ^b Ep ^b Mb ^b	900	500	400	500	4000	2	150	3	20	Fd	3.00
															Bg, Pw	2.50
															Cw, Hw, Lw, Yc	2.00
															Bp, Sw/Se/Sx	1.25
															Ba	1.00

BGC		Regeneration	Guide											Free	Growing	Guide
Classification		Species				Stocking(i)			Post Spacing				Regen		Min. Height(ii)	
		Conifer			Broadleaf	Target	MIN pa	MIN p	Density (sph)				Delay		Species	Ht
	06 Griz	Cw Fd Yc ^{13,17} Se ¹³	Ba ^{13,61} Bg ^{14,17}	Bp ²³ Hw	Act ^{41,a} Dr ^b Ep ^b Mb ^b	500	400	400	400	4000	2	150	3	20	all	1.0
	07	Ba ^{13,62} Cw Ss ³⁵	Fd ¹ Se ¹⁸		Act ^{41,a} Dr ^b Ep ^b Mb ^b	900	500	400	500	4000	2	150	3	20	Ss	4.00
															Fd	3.00
															Bg, Pw	2.50
															Cw, Hw, Lw, Yc	2.00
															Bp, Sw/Se/Sx	1.25
															Ba	1.00
	07 Griz	Ba ^{13,62} Cw Ss ³⁵	Fd ¹ Se ¹⁸		Act ^{41,a} Dr ^b Ep ^b Mb ^b	500	400	400	400	4000	2	150	3	20	all	1.0
	08	Cw ¹	Ba ¹		Act ^{41,a} Dr ^b Ep ^b Mb ^b	900	500	400	500	4000	2	150	3	20	Fd	3.00
															Bg, Pw	2.50
															Cw, Hw, Lw, Yc	2.00
															Bp, Sw/Se/Sx	1.25
															Ba	1.00
	08 Griz	Cw ¹	Ba ¹		Act ^{41,a} Dr ^b Ep ^b Mb ^b	500	400	400	400	4000	2	150	3	20	all	1.0
	09	no conifers			Act ^b Dr ^b Ep ^b Mb ^b	-	-	-					-	-		
	10*	PI ¹	Cw ¹			400	200	200	200	4000	2	150	3	20	Pw	2.50
															Fd	1.50
															PI	1.25
															Cw, Yc	1.00
															Sw/Se/Sx	0.75
	11	Cw ¹ Yc ^{13,17}	Pw ³¹ Se ¹	Ss ¹	Act ^b Dr ^b Ep ^b Mb ^b	800	400	400	400	4000	2	150	3	20	Pw	2.50
															Ss	2.00
															Fd	1.50
															PI	1.25
															Cw, Yc	1.00
															Sw/Se/Sx	0.75
	11 Griz	Cw ¹ Yc ^{13,17}	Pw ³¹ Se ¹	Ss ¹	Act ^b Dr ^b Ep ^b Mb ^b	500	300	300	300	4000	2	150	3	20	all	1.0

APPENDIX B 2 MULTI :LAYER STOCKING STANDARDS

M * -- Single-tree selection only

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5		Col. 1	Col. 2	Col. 3	Col. 4	Col. 5
Target from Appendix B-1 standards	Layer**	Stocking***				Target from Appendix B-1 standards	Layer**	Stocking***		
		Target pa	MIN pa	MIN p				Target pa	MIN pa	MIN p
(stems/ha)		(well-spaced/ha)				(stems/ha)		(well-spaced/ha)		
1200 ID (all layers)	1	600	300	250		800 ID(all layers)	1	300	150	150
	2	800	400	300			2	400	200	200
	3	1000	500	400			3	600	300	300
	4	1200	700	600			4	800	400	400
1000 ID (all layers)	1	400	200	200		600 ID (all layers)	1	300	150	150
	2	600	300	250			2	400	200	200
	3	800	400	300			3	500	300	300
	4	1000	500	400			4	600	400	400
900 ID (all layers)	1	400	200	200		400 ID (all layers)	1	200	100	100
	2	500	300	250			2	300	125	125
	3	700	400	300			3	300	150	150
	4	900	500	400			4	400	200	200

* Maximum regeneration delay is seven years. For a seven-year regeneration delay, the early free growing is 12 years and the late free growing is 15 years. Regeneration delay can be met immediately following harvest if the residual stand has no significant damage or pest problems and meets minimum stocking standards. If regeneration is achieved immediately following harvest, earliest free growing date is 12 months after completion of harvest and the latest date is 24 months after completion of harvest.

**Stand Layer Definition

Layer 1	Mature	trees >= 12.5 cm dbh
Layer 2	Pole	trees 7.5 cm to 12.4 cm dbh
Layer 3	Sapling	trees >= 1.3 m height to 7.4 cm dbh
Layer 4	Regeneration	trees < 1.3 m height

*** pa - preferred and acceptable species p - preferred species

Preferred and acceptable species and "Target from Appendix B-1 standards" are as specified in Appendix B-1 by biogeoclimatic ecosystem classification (BEC) site series.

APPENDIX B-3 FOOTNOTES TO STOCKING STANDARDS

	Footnote #	Footnote
<u>Conifer Tree Species</u>	1	elevated microsites are preferred
"Ba" means amabilis fir;	2	suitable on thick forest floors
"Bg" means grand fir;	3	restricted to coarse-textured soils
"Bl" means subalpine fir;	4	restricted to medium-textured soils
"Bp" means noble fir;	5	footnote retired
"Cw" means western red cedar;	6	restricted to nutrient-very-poor sites
"Fd" means Douglas-fir;	7	restricted to nutrient-medium sites
"Hm" means mountain hemlock;	8	restricted to steep slopes
"Hw" means western hemlock;	9	restricted to southerly aspects
"Lt" means tamarack;	10	restricted to northerly aspects
"Lw" means western larch;	11	restricted to crest slope positions
"Pa" means whitebark pine;	12	suitable on cold air drainage sites
"Pl" means lodgepole pine;	13	restricted to upper elevations of biogeoclimatic unit
"Pw" means white pine;	14	restricted to lower elevations of biogeoclimatic unit
"Py" means ponderosa pine;	15	restricted to northern portion of biogeoclimatic unit in region
"Sb" means black spruce;	16	restricted to southern portion of biogeoclimatic unit in region
"Se" means Engelmann spruce;	17	restricted to western portion of biogeoclimatic unit in region
"Ss" means Sitka spruce;	18	restricted to eastern portion of biogeoclimatic unit in region
"Sw" means white spruce;	19	restricted, not in Queen Charlotte Islands
"Sx" means hybrid spruce or interior spruce;	20	restricted, not near outer coast
"Sxs" means hybrid Sitka spruce;	21	restricted to mainland
"Sxw" means hybrid white spruce;	22	restricted to southern Gardner Canal-Kitlope area
"Yc" means yellow cedar.	23	restricted to trial use
	24	suitable (as a major species) in wetter portion of biogeoclimatic unit
<u>Broadleaf Tree Species</u>		
"Acb" means balsam poplar;	25	suitable on sites lacking salal
"Act" means black cottonwood;	26	suitable minor species on salal-dominated sites
"At" means trembling aspen;	27	partial canopy cover required for successful establishment
"Dr" means red alder;	28	limited by moisture deficit
"Ep" means common paper birch;	29	risk of heavy browsing by moose
"Mb" means bigleaf maple;	30	risk of porcupine damage

“Qg” means garry oak;	31	risk of white pine blister rust
“Ra” means arbutus;	32	limited by growing-season frosts
	33	footnote retired and replaced with footnote 'a'
“Biogeoclimatic unit” or “BGC classification” means	34	risk of snow damage
the zone, subzone, variant and site series described in the most recent field guide published by the Ministry of Forests for the identiication and interpretation of ecosystems, as applicable to a harvested area.	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
“MIN or “Min” means minimum.	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

“Griz” stocking Standards are applicable for those areas where Grizzly Bear habitat is specifically being managed. For the purpose of Stocking and Free growing assessments on Griz Bear Managed stocking areas, the assessment will use a “M” value based on the target Stocking Standard for the Non-Griz association. Eg where the target association for non-griz areas is 1000 then the “M” value for the Griz area on the same association may be 5.

APPENDIX C OBJECTIVES FOR INTERPRETIVE FOREST SITES, RECREATION SITES OR RECREATION TRAILS

Site or Trail Name	Type	Objectives
Another Lake	Map	00-01-31 The objective is to manage Another Lake for a semi primitive non-motorized recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. Access is by non-motorized trail.
Bob Lake East	Map	00-01-31 The objective is to manage Bob Lake E. for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. Very rough road access to the lake, also walk in access from Bob Lake West.
Butler Lake	Map	00-01-31 The objective is to manage Butler Lake for a semi primitive non-motorized recreation experience. The trailhead, trail, lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. Access is by a non-motorized trail.
Centre Lake	Map	00-01-31 The objective is to manage Centre Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for hiking, nature observation, and picnicking will be available.
Debbie Lake	Map	00-01-31 The objective is to manage Debbie Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. Access is by a rough four-wheel drive road.
Farr Lake	Map	00-01-31 The objective is to manage Farr Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available at the site.
Gillis Lake East	Map	00-01-31 The objective is to manage Gillis Lake E. for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available at the site.
Hamilton Pond	Map	00-01-31 The objective is to manage Hamilton Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. Access is by a rough four-wheel drive road.
Jim Kelly Creek	Map	00-01-31 The objective is to manage Jim Kelly Creek for a roaded recreation experience. The river shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, and swimming will be available.
John's Lake	Map	00-01-31 The objective is to manage John's Lake for a semi primitive non motorized recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. Access is by non motorized trail.
Mab Lake	Map	00-01-31 The objective is to manage Mab Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. Access is by a rough four-wheel drive road.
Mystery Lake	Map	00-01-31 The objective is to manage Mystery Lake for a semi primitive motorized recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. Very rough road access to the site via the utility corridor.
Osprey Lake South	Map	00-01-31 The objective is to manage Osprey Lake South for a semi primitive motorized recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. Access is by motorized trail.
Peterhope Lake South	Map	00-01-31 The objective is to manage Peterhope Lake S. for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available.
Rogene Lake	Map	00-01-31 The objective is to manage Rogene Lake for a semi primitive non motorized recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. Access is via Bob's-Elkhart Trail (project 5877), no motorized use permitted.
Tulameen Falls	Map	00-01-31 The objective is to manage Tulameen Falls for a semi primitive non motorized recreation experience. The creek shoreline and natural vegetation will be conserved. Access is by non motorized trail.
Abbot Lake	Site	00/01/31 The objective is to manage the Abbott Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site. Very rough road access to the site will be maintained for four-wheel drive vehicles.
Andy's Lake	Site	00-01-31 The objective is to manage the Andy's Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site. Access to lake from recreation site is by non-motorized trail. It is also a part of the Thymne Mtn. Snowmobile trail system. An emergency shelter is located across from the recreation site.
Antler Lake	Site	00-01-31 The objective is to manage the Antler Lake recreation site for a roaded and semi primitive non-motorized recreation experience. The trailhead, trail and the campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, hiking, picnicking, boating, and swimming will be available at the site. Camping facilities are available at the trailhead/parking area. Access to the lake is by non-motorized trail.
Billy Lake	Site	00-01-31 The objective is to manage the Billy Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Bluey Lake	Site	00-01-31 The objective is to manage the Bluey Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site. Very rough road access to the site will be maintained for four wheel drive vehicles.

Bob Lake West	Site	00-01-31 The objective is to manage the Bob Lake W. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site. Very rough road access to the site will be maintained for four wheel drive vehicles.
Bobs Lake	Site	00-01-31 The objective is to manage the Bobs Lake recreation site for a roaded experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Boss Lake	Site	00-01-31 The objective is to manage the Boss Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site. ATV opportunities are available nearby.
Brook Lake	Site	00-01-31 The objective is to manage Brook Lake for a semi primitive non motorized recreation experience. The trailhead, trail and lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available at the site. Lake is located within a community watershed. Access is by non motorized trail. Snowmobile activities are available in the winter.
Buck Lake	Site	00-01-31 The objective is to manage the Buck Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Cabin Lake	Site	00-01-31 The objective is to manage the Cabin Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, hiking, mountain biking and swimming will be available at the site. Very rough road access to the site will be maintained for four wheel drive vehicles.
Calling Lake	Site	00-01-31 The objective is to manage the Calling Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, hiking, mountain biking and swimming will be available at the site. Very rough road access to the site will be maintained for four wheel drive vehicles.
Chain Lake West	Site	00-01-31 The objective is to manage the Chain Lake W. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Clifford Lake	Site	00-01-31 The objective is to manage the Clifford Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Copper Creek	Site	00-01-31 The objective is to manage the Copper Creek recreation site for a roaded recreation experience. The campsite will be maintained; the river/creek shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, and swimming will be available at the site. During the winter, the recreation site may serve as a trailhead for the Placer Ountain Snowmobile trail.
Davis Lake	Site	00-01-31 The objective is to manage the Davis Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site. Located within a Ducks Unlimited Project area. ATV opportunities are available nearby.
Deadman Lake	Site	00-01-31 The objective is to manage Deadman Lake S. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Dewdney (L2212)	Site	00-01-31 The objective is to manage the Dewdney recreation site for a roaded recreation experience. The campsite will be maintained; the river shoreline and natural vegetation will be conserved. Opportunities for camping, river canoeing, kayaking, picnicking and swimming will be available at the site. Hiking opportunities are available,nearby, on a poriton of the historic Dewdney Trail.
Dot Lake	Site	00-01-31 The objective is to manage the Dot Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, hiking, boating, and swiming will be available at the site.
Eastmere / Westmere Lk	Site	00-01-31 The objective is to manage the Eastmere/Westmere Lake recreation site for a semi primitive non motorized recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available at the site. Access is by non motorized trail.
Elkart Lake	Site	00-01-31 The objective is to manage the Elkhart Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Garrison Lake	Site	00-01-31 The objective is to manage the Garrison Lake recreation site for a semi primitive non motorized recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for hiking, camping, picnicking and swimming will be available at the site. Access is by non motorized trail.
Gill Lake & Trail	Site	00-01-31 The objective is to manage Gill Lake recreation site for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. Access is by non motorized trail from utility corridor. The objective is to manage Gill Lake Trail for a semi primitive non motorized recreation experience. The trail and natural vegetation will be conserved. Opportunities for hiking, mountain biking, and equestrian uses are available, no motorized use permitted. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Gillis Lake West	Site	00-01-31 The objective is to manage the Gillis Lake W. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Glimpse Lake North	Site	00-01-31 The objective is to manage the Glimpse Lake N. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Glimpse Lake South	Site	00-01-31 The objective is to manage the Glimpse Lake SW recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnickin, boating, and swimming will be available at the site.
Goose Lake North	Site	00-01-31 The objective is to manage the Goose Lake N. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site. Very rough road access to the site.

Goose Lake South	Site	00-01-31 The objective is to manage the Goose Lake S. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Gordon Lake	Site	00-01-31 The objective is to manage the Gordon Lake recreations site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site. Very rough road access to the site will be maintained for four wheel drive vehicles
Granite Creek	Site	00/01-31 The objective is to manage the Granite Creek recreation site for a roaded recreation experience. The campsite will be maintained; the river/creek shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, canoeing, kayaking and swimming will be available at the site.
Gus's Pond & Trail	Site	00-01-31 The objective is to manage Gus' pond recreation site for a semi primitive non motorized recreation experience. The lakeshore and adjacent vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available, no motorized use permitted as per the Penask LRUP.
Gwen Lake	Site	00-01-31 The objective is to manage Gwen Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site. Very rough road access to the site will be maintained for four wheel drive vehicles.
Gypsum Lake South	Site	00-01-31 The objective is to manage Gypsum Lake S. for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available.
Gypsum Lake West	Site	00-01-31 The objective is to manage the Gypsum Lake W. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, hiking, picnicking, boating, and swimming will be available at the time.
Harmon Lake (E & W)	Site	00-01-31 The objective is to manage the Harmon Lake E. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, hiking, boating, and swimming will be available at the site.
Harmon Lake West	Site	00-01-31 The objective is to manage the Harmon Lake W. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site. This site also contains some walk-in sites.
Helmer Lake	Site	00-01-31 The objective is to manage the Helmer Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site. Walk in from nearby Helmer Interchange, gate locked Tuesday before May long weekend and open Friday before Thanksgiving weekend.
Hook Lake North	Site	00-01-31 The objective is to manage the Hook Lake N. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site. Very rough road access to the site, via the utility corridor.
Island Lake	Site	00-01-31 The objective is to manage the Island Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Jackson Lake & Trail	Site	00-01-31 The objective is to manage the Jackson Lake recreation for a semi primitive motorized recreation experience. The lakeshore and adjacent vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available, no motorized use permitted as per the Pennask LRUP. The objective is to manage the Jackson Lake recreation trail for a semi primitive non-motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking, and equestrian uses are available, no motorized use permitted as per the Pennask LRUP. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Jacobson Lake	Site	00-01-31 The objective is to manage the Jacobson Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, hiking, boating, equestrian, and swimming will be available at the site.
Jameson Lake	Site	00-01-31 The objective is to manage Jameson Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. Access is by rough four-wheel drive road.
Johnny Lake	Site	00-01-31 The objective is to manage the Johnny's Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Jono Lake	Site	00-01-31 The objective is to manage Jono Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. Access is by rough four wheel drive road.
Kane Lake	Site	00-01-31 The objective is to manage the Kane Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, equestrian, hiking, picnicking, boating, and swimming will be available at the site. In the winter, there are opportunities for cross-country skiing.
Kump Lake	Site	00-01-31 The objective is to manage the Kump Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Leroy Lakes	Site	00-01-31 The objective is to manage the LeRoy recreation site and trail for a roaded and semi primitive non-motorized recreation experience. The trailhead, trail and campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for hiking, mountain biking, equestrian use, camping, picnicking, boating, and swimming will be available at the site. Roaded to trailhead, then walk-in to the site.
Lightning Lake	Site	00-01-31 The objective is to manage the Lightning Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site. Very rough road access to the site will be maintained for four wheel drive vehicles.
Lily Lake	Site	00-01-31 The objective is to manage the Lily Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.

Link Lake	Site	00-01-31 The objective is to manage the Link Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Little Box Canyon	Site	00-01-31 The objective is to manage the Little Box Canyon recreation site for a roaded recreation experience. The campsite will be maintained; the river/creek shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, river boating, and swimming will be available at the site. Very rough road access to the site.
Little Douglas Lake	Site	00-01-31 The objective is to manage the Little Douglas Lake recreation site for a semi primitive non motorized recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, river boating, and swimming will be available at the site. Access is by non motorized trail.
Little Mellin / Holmes	Site	00-01-31 The objective is to manage Little Mellin/Holmes recreation site for a semi primitive non motorized recreation experience. The lakeshore and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, river boating, and swimming will be available at the site. No motorized use permitted, as per the Pennask LRUP.
Little Spahomin Lk & Trail	Site	00-01-31 The objective is to manage Little Spahomin Lake Recreation site for a semi primitive non motorized recreation experience. The trail will be maintained and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, river boating, and swimming will be available at the site. No motorized use permitted, as per the Pennask LRUP.
Lodestone Lake	Site	00-01-31 The objective is to manage the Lodestone Lake recreation site for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, hiking, mountain biking, equestrian, boating, and swimming will be available at the site. Access is by a rough four-wheel drive road.
Lodwick Lake North	Site	00-01-31 The objective is to manage Lodwick Lake N. recreation site for a recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Lodwick Lake South	Site	00-01-31 The objective is to manage Lodwick Lake S. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Loosemore Lake	Site	00-01-31 The objective is to manage the Loosemore Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Lundbom Lake (West)	Site	00-01-31 The objective is to manage the Lundbom lake W. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, equestrian and swimming will be available at the site.
Lundbom Lake East	Site	00-01-31 The objective is to manage the Lundbom Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Marquart Lake (E & W)	Site	00-01-31 The objective is to manage the Marquart Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site. Site on the west end is walk-in from the parking lot.
Mellin Lake	Site	00-01-31 The objective is to manage the Mellin Lake recreation site for a semi primitive non motorized recreation experience. The trail will be maintained. The lake shoreline and adjacent natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. No motorized use permitted, as per the Pennask LRUP.
Michael Lake	Site	00-01-31 The objective is to manage Michael Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. Very rough access to the site will be maintained for four wheel drive vehicles.
Missezula Lake North	Site	00-01-31 The objective is to manage the Missezula Lake N. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Murphy Lakes	Site	00-01-31 The objective is to manage the Murphy Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site. Access to lake from the recreation site is by a non-motorized trail.
Murray Lake North	Site	00-01-31 The objective is to manage the Murray Lake N. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Murray Lake South	Site	00-01-31 The objective is to manage the Murray Lake S. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
N'Kwala Site	Site	00-01-31 The objective is to manage the N'Kwala recreation site for a roaded recreation experience. The campsite will be maintained; the river shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, river canoeing, kayaking and swimming will be available at the site.
Old Hedley Road East	Site	00-01-31 The objective is to manage the Olde Hedley Road E. recreation site for a roaded recreation experience. The campsite will be maintained; the river shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, river canoeing, kayaking and swimming will be available at the site.
Old Hedley Road W	Site	00-01-31 The objective is to manage the Old Hedley Road W. recreation site for a roaded recreation experience. The campsite will be maintained; the river shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, river canoeing, kayaking and swimming will be available at the site.
Osprey Lake North	Site	00-01-31 The objective is to manage the Osprey Lake N. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Peter Hope Lake North	Site	00-01-31 The objective is to manage the Peterhope Lake N. recreation site for a roaded recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Pimainus East East	Site	00-01-31 The objective is to manage the Pimainus Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.

Placer Lake	Site	00-01-31 The objective is to manage the Placer Lake recreation site for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available at the site. Very rough road access to the site, will be maintained for four wheel drive vehicles.
Power Lake	Site	00-01-31 The objective is to manage Power Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. Access is by rough four-wheel drive road via the utility corridor.
Prosser Lake	Site	00-01-31 The objective is to manage the Prosser Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site. Very rough access to the site will be maintained for four wheel drive vehicles.
Rampart Lake	Site	00-01-31 The objective is to manage the Rampart Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Red Rock Canyon	Site	00-01-31 The objective is to manage the Red Rock Canyon for a roaded recreation experience. The river shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), kayaking, canoeing, picnicking and swimming will be available.
Reservoir Lake	Site	00-01-31 The objective is to manage the Reservoir Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site. Very rough road access to the site will be maintained for four wheel drive vehicles.
Rickey Lake	Site	00-01-31 The objective is to manage the Ricky Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Robertson Lake	Site	00-01-31 The objective is to manage Robertson Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating and swimming will be available at the site.
Roscoe Lake	Site	00-01-31 The objective is to manage the Roscoe Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, hiking and swimming will be available at the site. Rough seasonal four-wheel drive access.
Shea Lake	Site	00-01-31 The objective is to manage the Shea Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Silver Lake	Site	00-01-31 The objective is to manage the Silver Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Stevens Lake	Site	The objective is to manage Stevens Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available.
Stony Lake	Site	00-01-31 The objective is to manage the Stoney Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Stringer Lake	Site	00-01-31 The objective is to manage the Stringer Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Surrey Lake	Site	00-01-31 The objective is to manage Surrey Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available.
Sussex Lake	Site	00-01-31 The objective is to manage the Sussex Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Sutter Creek	Site	00-01-31 The objective is to manage the Sutter Creek recreation site for a roaded recreation experience. The campsite will be maintained; the creek shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking and swimming will be available at the site.
Tahla Lake	Site	The objective is to manage the Tahla Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Thalia Lake North	Site	00-01-31 The objective is to manage the Thalia Lake N. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Thalia Lake South	Site	00-01-31 The objective is to manage the Thalia Lake S. recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
The Keeper	Site	00-01-31 The objective is to manage The Keeper for a roaded recreation experience. The river shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking and swimming will be available. Access is by a rough four-wheel drive road.
Third Lake	Site	00-01-31 The objective is to manage the Third Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Tupper Lake	Site	00-01-31 The objective is to manage the Tupper Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.
Two Island Lake	Site	00-01-31 The objective is to manage Two Island recreation site for a semi primitive non motorized recreation experience. The trail will be maintained. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. Access is by non motorized trail as per the Pennask LRUP.
Tyner Lake	Site	00-01-31 The objective is to manage the Tyner Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site.

Vinson Lake	Site	00-01-31 The objective is to manage Upper Boulder Lake for a semi primitive non motorized recreation experience. The trail, lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. Access to the lake is by a non-motorized trail.
Vuich Falls	Site	00-01-31 The objective is to manage the Vuich Falls recreation site for a roaded recreation experience. The campsite will be maintained; the river/creek shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking and swimming will be available at the site.
Wasley Lake	Site	00-01-31 The objective is to manage Wasley Lake recreation site for a semi primitive non motorized recreation experience. The trail will be maintained. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. Access is by non motorized trail as per the Pennask LRUP.
Wells Lake	Site	00-01-31 The objective is to manage the Wells Lake recreation site for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available at the site. Very rough road access to the site will be maintained for four wheel drive vehicles.
Zum Peak	Site	00-01-31 The objective is to manage the Zum Peak recreation site for a roaded recreation experience. The campsite will be maintained; the creek shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, hiking and swimming will be available at the site.
Bob's - Elkhart Lake	Trail	00-01-31 The objective is to manage the Bob's-Elkhart recreation trail for a semi primitive non motorized recreation experience. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of centre line of the trail. The trail will be maintained and adjacent vegetation conserved. Opportunities may include but are not limited to hiking, mountain biking and equestrian use. Facilities are only available at Bob's Lake Recreation site trailhead.
China Ridge X Country Ski	Trail	00-01-31 In winter, when snow is on the ground, the objective is to manage the China Ridge recreation trail for a semi primitive non motorized recreation experience, opportunities for cross country skiing are available, no motorized use permitted, other than for track setting, trail grooming activities and at designated crossings. In the summer, during the snow free season, the objective is to manage the trail for a roaded resource recreation experience. The trail will be maintained and adjacent vegetation conserved. The trail width of the recreation trail right-of-way shall be 2.5 meters on either side of centre line of the trail. Facilities include open shelters throughout the system and an emergency shelter issued uner SUP 19107L
Garrison Lakes Trail	Trail	00-01-31 The objective is to manage the Garrison Lake recreation trail for a semi primitive non motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available, no motorized use permitted. The total trail width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Godey Creek Int. Trail	Trail	00-01-31 The objective is to manage Godey Creek Interpretative trail for a semi primitive non motorized recreation experience. The trail will be maintained. The natural vegetation will be conserved. Opportunities for nature study, hiking, viewing, and picnicking will be available. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Gypsum Mountain Trail	Trail	00-01-31 The objective is to manage the Gypsum Mtn. Recreation trail for a semi primitive non motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available, no motorized use permitted. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Harmon Lake Interp Trail	Trail	00-01-31 The objective is to manage the Harmon Lake interpretative trail for a semi primitive non-motorized recreation experience. The trail will be maintained; and natural vegetation will be conserved. Opportunities for nature study, hiking, viewing and picnicking will be available. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Kane Valley Trails	Trail	00-01-31 In winter, when snow is on the ground, the objective is to manage the Kane Valley recreation trail for a semi primitive non motorized recreation experience, opportunities for cross country skiing are available, no motorized use permitted, other than for track setting and trail grooming activities. In the summer, during the snow free season, the objective is to manage the trail for a roaded resource recreation experience; opportunities for hiking, equestrian, mountain bking and trail bike/ATV riding are available. The trail will be maintained and adjacent vegetation conserved. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Knight Lake Trail	Trail	00-01-31 The objective is to manage the Knight Lake recreation trail for a semi primitive non motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available, no motorized use permitted. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Little Douglas Trail	Trail	00-01-31 The objective is to manage the Little Douglas Lake recreation trail for a semi primitive non motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available, no motorized use permitted. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of centre line of the trail.
Little Mellin / Holmes	Trail	00/01/31. The objective is to manage Little Mellin/Holmes Trail for a semi primitive non motorized recreation experience. The trail will be maintained and natural vegetation will be conserved. Opportunities for hiking, mountain biking, and equestrian uses are available. No motorized use permitted, as per the Pennask LRUP. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Little Spahomin Lk & Trail	Trail	00-01-31 The objective is to manage Little Spahomin Lake Trail for a semi primitive non motorized recreation experience. The trail will be maintained and natural vegetation will be conserved. Opportunities for hiking, mountain biking and equestrian uses are available. No motorized use permitted, as per the Pennask LRUP. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Lundbom / Tent Mt Bike Tr	Trail	00-01-31 The objective is to manage Lundbom/Tent Mtn. Bking Trail for a semi primitive non motorized recreation experience. The trail and natural vegetation will be conserved. Opportunities for hiking, mountain biking, and equestrian uses are available. No motorized use permitted. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of centre line of the trail.
Mellin Lake	Trail	00-01-31 The objective is to manage the Mellin Lake recreation trail for a semi primitive non motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available, no motorized use permitted as per the Pennask LRUP. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Norgaard Lake	Trail	00-01-31 The objective is to manage the Norgaard Lake refection trail for a semi primitive non motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking, and equestrian uses are available, no motorized use permitted as per the Pennask LRUP. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.

Rainbow Lake	Trail	00-01-31 The objective is to manage the Rainbow Lake recreation trail for a semi primitive non motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available, no motorized use permitted as per the Pennask LRUP. The total width of the recreation right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Roscoe Lake Trail	Trail	00-01-31 The objective is to manage the Roscoe Lake recreation trail for a semi-primitive non motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking, and equestrian uses are available, no motorized use permitted. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Two Island Lake	Trail	00-01-31 The objective is to manage the Two Island recreation trail for a semi primitive non motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available, no motorized use permitted as per the Pennask LRUP. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Walker Lake & Trail	Trail	00-01-31 The objective is to manage the Walker Lake recreation trail for a semi primitive non motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available, no motorized use permitted as per the Pennask LRUP. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Wasley Lake	Trail	00-01-31 The objective is to manage the Wasley Lake recreation trail for a semi primitive non motorized recreation experience. The trail will be maintained and adjacent vegetation conserved. Opportunities for hiking, mountain biking and equestrian uses are available, no motorized use permitted as per the Pennask LRUP. The total width of the recreation trail right-of-way shall be 2.5 meters on either side of the centre line of the trail.
Boot Lake	X	00-01-31 The objective is to manage the Boot Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at this site. Very rough road access to the site will be maintained for four-wheel drive vehicles.
Plateau Lake	X	00-01-31 The objective is to manage the Plateau Lake recreation site for a roaded recreation experience. The campsite will be maintained; the lake shoreline and natural vegetation will be conserved. Opportunities for camping, picnicking, boating, and swimming will be available at the site. Very rough road access to the site, will be maintained for four wheel drive vehicles.
Rey Lake	X	00-01-31 The objective is to manage Ray Lake for a roaded recreation experience. The lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. Access is by a very rough four-wheel drive road via the utility corridor.
Upper Boulder Lake		00-01-31 The objective is to manage Upper Boulder Lake for a semi primitive non motorized recreation experience. The trail, lake shoreline and natural vegetation will be conserved. Opportunities for camping (no facilities on site), picnicking, boating, and swimming will be available. Access to the lake is by a non-motorized trail.