



Weyerhaeuser
Weyerhaeuser
Company Limited

&



Stu'wix Resources
Ltd

Forest Stewardship Plan

Amendment #20

Cascades Forest District
Merritt TSA



Jason Carmichael, RPF
Date: **May 5, 2022**

"I certify that the work described herein fulfils the standards expected of a member of the Association of British Columbia Forest Professionals and that I did personally supervise the work"

Description of Changes Made

Item	Description
1.	Add the following licences to this FSP: <ul style="list-style-type: none">• FLA91320 (Coldwater Indian Band)• FLA91615 (Shackan Indian Band)• FLTC A98390 (Upper Nicola Band)

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Pre-Amble

Content of FSP

The content of this Forest Stewardship Plan is determined by the Forest and Range Practices Act and the Forest Planning and Practices Regulation. The FSP includes:

- One or more Forest Development Units which are broad areas within which timber harvesting and road construction activities may occur during the term of the plan.
- A result or strategy for each forest management objective government has established that applies to the FDU. These objectives address the conservation of soils, timber, wildlife habitat, riparian areas, biodiversity (including maintenance of old growth, limits on cutblock size, limits on adjacency of cutblocks and retention of wildlife trees), cultural heritage resources, visual quality and recreation sites. Each result must be achieved and each strategy carried out in accordance with the FSP.
- Requirements for growing new forests that apply to the cutblocks that are subject to this FSP.
- Measures that must be taken to prevent the introduction and spread of invasive plants, and to mitigate the effects of breaching natural range barriers.

1 Interpretation

1.1 Definitions

In this FSP, unless this FSP specifies, or the context requires, otherwise:

- (a) **“Act”** means the *Forest and Range Practices Act* S.B.C. 2002, c.69;
- (b) **“CP”** means a cutting permit;
- (c) **“Current”** means, in the context of a FSP, timber sale licence, CP or RP, an approved document that has not expired or been replaced;
- (d) **“Cutblock”** means an area:
 - (i) in which a holder of a Licence has harvested timber under a CP or timber sale licence but excluding areas:
 - (A) where timber was harvested to eliminate a safety hazard;
 - (B) where timber was harvested to facilitate the collection of seed, leaving an opening not greater than 1 ha;
 - (C) where timber was removed from landings and road rights of way;
 - (D) where timber was harvested, not exceeding a volume of 500 m³ that, in the opinion of the minister,
 - (I) was in danger of being significantly reduced in value, lost or destroyed, by insect infestation, fire or disease; or
 - (II) has been treated or will be treated to facilitate the entrapment of or elimination of pests;
 - (E) where timber was harvested related to a research installation that was approved by the government; or
 - (F) exempt from a requirement to have an FDP, silviculture prescription or site plan under the FPC if harvested in accordance with the FPC;
 - (ii) otherwise meeting the requirements of clause (i) in which a holder of a Licence is authorized to harvest timber but where harvesting has not occurred; or
 - (iii) identified in a Current FSP as an area to which section 196(1)(a) of the Act applies;
- (e) **“Damaged Timber”** means timber that is in imminent danger of being damaged, significantly reduced in value, lost, or destroyed due to damage agents such as fire, insect infestation, disease, or wind, as determined by a qualified professional.
- (f) **“Damaged Timber Assessment”** means an assessment of a stand of damaged timber completed by a qualified professional, that:
 - (i) Evaluates the nature, amount, severity and distribution of the timber damage agent(s) and the resulting damage to timber;
 - (ii) Evaluates the likelihood of spread of the timber damage agent(s), and the potential for damage to additional timber; and
 - (iii) Contains applicable primary forest activity recommendations necessary to be consistent to the extent practicable with all of the applicable objectives set by government, while limiting the activities to the extent necessary to address the damaged timber.

The assessment will be retained by the holder of this FSP and made publicly available on request at any reasonable time at the holder’s place of business.

- (g) **“Date of Submission”** means July 19, 2018, which is the date this FSP was submitted for approval;

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- (h) **“Development project in the government’s interest”** means a project undertaken by government, or authorized by government, for a purpose such as an interface fuel management project, research installation, ecosystem restoration project or constructing or improving a utility, highway, fence, mine, recreation site or recreation area.
- (i) **“Established Cutblock”** means a Cutblock that, before the earlier of the date a Cutblock or road is included within a CP or RP to which this FSP applies or is included within a declared area under this FSP, have been:
- (i) harvested under a Licence to which this FSP applies;
 - (ii) included within a Current CP issued under a Licence to which this FSP applies but which CP will not be subject to this FSP; or
 - (iii) identified in an inventory or notice provided by government as an area:
 - (A) harvested under a timber sale licence or major licence to which this FSP does not apply;
 - (B) included in a Current CP issued under a Licence to which this FSP does not apply or in a timber sale licence; or
 - (C) shown in another Current FSP as an area to which section 196(1)(a) of the Act applies;
- (j) **“Established Road”** means a road that, upon the earlier of the date a Cutblock or road is included in a CP or RP issued to which this FSP applies or included within a declared area under this FSP, has been:
- (i) constructed by a Holder of this FSP;
 - (ii) included within a Current CP or RP issued under or associated with a Licence to which this FSP applies but to which CP or RP this FSP does not apply; or
 - (iii) identified in a notice or inventory provided by government as being:
 - (A) constructed by a person other than a Holder of this FSP;
 - (B) included within a CP or RP issued in respect of a Licence to which this FSP does not apply; or
 - (C) shown in another Current FSP as an area to which section 196(1)(b) of the Act applies;
- (k) **“FDP”** means a forest development plan;
- (l) **“FDU”** means a forest development unit;
- (m) **“Forest Act”** means the *Forest Act* R.S.B.C. 1996, c.157;
- (n) **“FPC”** means the *Forest Practices Code of British Columbia Act* R.S.B.C. 1996, c. 159 and all regulations thereunder;
- (o) **“FPPR”** means the Forest Planning and Practices Regulation B.C. Reg. 14/2004;
- (p) **“FRPA”** means the Act and the regulations thereunder;
- (q) **“FSP”** means a forest stewardship plan;
- (r) **“Holder of this FSP”** means, for each Licence specified in Paragraph 2.1, the holder of that Licence as indicated in that Paragraph, or any successor or assignee of that holder; “Holder” has the same meaning; and “Holders of this FSP” means all of those holders of those Licences or any successor or assign to those holders;
- (s) **“Legislated planning date”** means:
- (i) subject to clause (ii), the date 4 months before the date of submission; or
 - (ii) if an enactment or an objective set by government requires that a date different than the date referred to in clause (i) be applied under this FSP, then that different date.
- (t) **“Licence”** means an agreement under the *Forest Act*;
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- (u) “**MFLNRO**” means the Ministry of Forests Lands and Natural Resource Operations;
- (v) “**Minister**” means the minister responsible for the *Forest Act*; and
- (w) “**RP**” means a road permit.
- (x) “**Qualified Professional**” means a registered member in good standing with a professional association whose training, ability and experience makes the member professionally competent in the relevant area of practice;

1.2 Definitions from Legislation

In this FSP, unless this FSP specifies, or the context requires otherwise, words and phrases defined in FRPA or the *Forest Act* have the same meaning as those definitions, as they were on the ***Legislated Planning Date***.

1.3 Changes to Legislation

If legislation referred to in this FSP is renamed or a provision of legislation referred to in this FSP is renumbered, the reference in this FSP is to be construed as a reference to the provision as renamed or renumbered, as the case may be.

1.4 Expressions Inclusive

In this FSP, unless this FSP specifies, or the context requires, otherwise:

- (a) the singular includes the plural and the plural includes the singular;
- (b) the masculine, the feminine and the neuter are interchangeable and each includes the body corporate.

1.5 Organization

This FSP is divided into parts, paragraphs, subparagraphs, clauses and subclauses, illustrated as follows:

- 1. Part;
 - 1.1 to 1.1.1.1 Paragraph;
 - (a) Subparagraph;
 - (i) Clause;
 - (A) Subclause;
 - (I) Section;
 - (1) Subsection,

and a reference to a subparagraph, clause, subclause, section or subsection is to be construed as a reference to a subparagraph, clause, subclause, section or subsection of the paragraph, subparagraph, clause or section, as the case may be, in which the reference occurs.

1.6 Headings and Information About Objectives

The headings and the provisions titled “**Information About Applicable Objective**”, including the contents thereof, are for ease of reference only and are not to be construed as part of, or to serve as an aid to interpreting, this FSP.

1.7 Appendices Part of FSP

The Appendices to this FSP are a part of this FSP and any reference in this FSP to this FSP includes a reference to the Appendices.

1.8 Exemptions from Default Practice Requirements under sections 12.1 to 12.5 of the FPPR

The following Paragraphs are included in this FSP for the purpose of obtaining an exemption under sections 12.1 to 12.5 of the FPPR from the following sections of the FPPR:

Paragraph in this FSP	Section of FPPR under which Exemption Provided	Sections of the FPPR to which Exemption Applies
5.2.1.2	12.2	35(1), 35(3), 35(5), and 36
5.2.1.3	12.2	35(4)
5.2.1.4	12.2	35(6), 35(7)
5.2.3.2	12.3	47(4) to (6), 48(3) to (5), 49(2), 49(3), 51(3), 52(2) and 53
5.2.3.3	12.3	50(1)
5.2.3.4	12.3	51(1)
5.2.4.2	12.32	59, 60(2) and 61 as they pertain to cumulative hydrological effects on water quality affecting human health in community watersheds
5.2.5.1	12.4	64(1), 65(2)
5.2.6.2 & 5.2.6.3	12.5(1)	66
5.2.6.4	12.5(2)	67

Sections of the FPPR identified in **orange text** have been adopted as a result or strategy. This is re-iterated in the applicable sections throughout this FSP. Sections of the FPPR identified in black text have a unique result or strategy which deviates from the default practice requirements in the FPPR.

2 Application

2.1 Licences (Act s.3(4))

This FSP applies to the following Licences:

Licence	Holder of Licence as of the Date of Submission
FL A18674	Weyerhaeuser Company Limited
FL A18698	Weyerhaeuser Company Limited
FL A18970	Weyerhaeuser Company Limited
FL A55527	Princeton Wood Preservers & Hu'kwa Resources
FL A55529	Princeton and District Community Forest Corporation
FL A61106	Princeton Forest Products
FL A65005	Stuwix Resource Ltd.
FL A74911	Weyerhaeuser Company Limited
FL A81878	Upper Similkameen Indian Band
FL A82224	Upper Similkameen Indian Band
FL A82566	Weyerhaeuser Company Limited
FL A84498	Princeton Post & Rail Ltd
FL A88928	Lower Nicola Indian Band
FL A88927	Upper Nicola Indian Band
FLA91320	Coldwater Indian Band
FLA91615	Shackan Indian Band
FL A91842	Nooaitch Indian Band
FLTC A97226	Stuwix Resource Ltd.
FLTC A98390	Upper Nicola Band
CFA K2Y	Vermilion Forks Community Forest

3 Term

3.1 Term (Act s.6(1)(a))

The term of this FSP is 5 years, commencing on the date specified in Paragraph 3.2 unless:

- (a) the Holders of this FSP elect to replace it with another approved FSP; or
- (b) it is extended pursuant to FRPA.

3.2 Commencement of Term (Act s.6(1)(b))

The term of this FSP commences on the date identified in the approval letter for this FSP.

4 Forest Development Units

4.1 Forest Development Units (Act s.5(1)(a)(ii) and FPPR s.14(1)(a))

The map in Appendix B to this FSP shows the boundaries of all FDUs under this FSP.

4.2 Land Use Designations and Other Things to be Identified (FPPR ss.14(2) and (3))

The maps in Appendix B and the table in Appendix E to this FSP identify the things referred to in section 14(3) of the FPPR that are in the FDU and in effect as of the ***Legislated Planning Date***.

5 Results or Strategies

5.1 Objectives Set by Government

5.1.1 Old Growth Order

Information about Applicable Objective

Objective	The Minister has issued an order under section 4 of the <i>Forest Practices Code of British Columbia Act</i> establishing Landscape Units and Old Growth Objectives.
Date in Effect	June 30, 2004.

5.1.1.1 Definitions

In Paragraph 5.1.1.2:

- (a) **“Old Forest Polygon”** means an area identified as an old forest polygon as depicted by the most current consolidated Old Forest Polygon layer on the map housed by the MFLNRO in accordance with the Cascades District Agreement for managing OGMA Consolidation Mapping, as approved by the DOIT committee members on July 15, 2013.
- (b) **“Order”** means the Order Establishing Provincial Non-Spatial Old Growth Objectives that came into effect on June 30, 2004.

5.1.1.2 Result for Old Growth

A Holder of this FSP will not undertake timber harvesting to which this FSP applies within an **Old Forest Polygon** except:

- (a) to facilitate road maintenance;
- (b) to eliminate a safety hazard if there is no other practicable option for addressing the hazard;
- (c) where the harvesting is less than 1.0 hectare, and the harvesting will not result in a material adverse impact on the old forest attributes of the **Old Forest Polygon**;
- (d) where the harvesting is required for a **development project in the government’s interest**, and the harvesting or road construction is conducted consistent with any conditions imposed by government, or
- (e) where:
 - (i) the harvest area exceeds the amount referred to in subparagraph (c); and
 - (ii) on or before the reporting of harvest completion for the Cutblock, the Holder of this FSP identifies a replacement forest polygon that:
 - (A) is of similar size to the **Old Forest Polygon** to be harvested;
 - (B) is within the same landscape unit, biogeoclimatic zone, subzone and variant as the **Old Forest Polygon** to be harvested (unless otherwise agreed to in writing by the Ministry responsible for the old growth order);
 - (C) contains forest cover that is consistent with one of the following:
 - (I) the age of old forest identified in Section 2 of the **Order**;
 - (II) Section 6 of the **Order**, or
 - (III) of equal or greater age class of the Old Forest Polygon to be harvested; and
 - (D) is sent to the host (MFLNRO staff) of the Consolidated OGMA map once per year.

5.1.1.3 Alternative Result when Exemption Approved

Paragraph 5.1.1.2 does not apply to the extent it is not practicable where the Minister exempts a Holder of this FSP under section 12(7) of the FPPR from the requirement to specify a result or strategy consistent with the established objective for Old Growth in relation to a particular area, provided that the harvesting is consistent with any conditions attached to the approval of the exemption.

5.2 Objectives Prescribed under section 149(1) of the Act

5.2.1 Soils (FPPR s.5)	
Information about Applicable Objective	
Objective	The objective set by government for soils is, without unduly reducing the supply of timber from British Columbia's forests, to conserve the productivity and the hydrologic function of soils.
Date in Effect	This objective was established on the coming into force of the Forest Planning and Practices Regulation on January 31, 2004.

Result or Strategy

5.2.1.1 Definitions

In Paragraph 5.2.1.3:

- (a) **“temporary access allowance”** means:
- (i) 5% for standards units comprised predominantly of sensitive soils; or
 - (ii) for standards units not comprised predominantly of sensitive soils, the percentage of a standard unit as determined from the following equation:

$$\begin{array}{lcl} \text{temporary} & & (12\%) - (\text{Percent of cutblock occupied in permanent access} \\ \text{access} & = & \text{structures, or } 7\%, \text{ whichever is less}) \\ \text{allowance} & & \end{array}$$

5.2.1.2 General Soil Conservation

Each Holder of this FSP adopts as a result or strategy for activities of that Holder to which this FSP applies sections 35(1), 35(3), 35(5) (*Soil Disturbance Limits*), and 36 (*Permanent Access Structure Limits*) of the FPPR as they were on the **Legislated Planning Date**.

5.2.1.3 Exceeding Soil Disturbance Limits

A Holder of this FSP may cause soil disturbance that exceeds the limits specified in section 35(3) of the FPPR, as adopted as a result or strategy under this FSP, if that Holder is:

- (a) removing infected stumps or salvaging windthrow and the additional disturbance is the minimum necessary;
- (b) constructing a temporary access structure in an area not referred to in subparagraph (c) and both of the following apply:
 - (i) the limit set out in section 35(3) of the FPPR, as adopted as a result or strategy under this FSP, is not exceeded by more than the **temporary access allowance**, excluding the area covered by a roadside work area; and
 - (ii) before the regeneration date, a sufficient amount of the area within the standards unit is rehabilitated such that the Holder is in compliance with the limits set out in section 35(3) of the FPPR, as adopted as a result or strategy under this FSP; or
- (c) constructing a temporary access structure:
 - (i) within a standard unit with a net area to be reforested that is less than 10 ha,
 - (ii) within a standard unit that is not predominantly comprised of sensitive soils; and
 - (iii) before the regeneration date, a sufficient amount of the area within the standards unit is rehabilitated such that the Holder is in compliance with the limits set out in section 35(3) of the FPPR, as adopted as a result or strategy under this FSP.

5.2.1.4 Work Related to Rehabilitation

A Holder of this FSP who rehabilitates an area under Paragraph 5.2.1.3 or section 35(5) (*Soil Disturbance Limits*) of the FPPR, as adopted as a result or strategy under this FSP, must:

- (a) remove or redistribute woody materials that are exposed on the surface of the area and are concentrating subsurface moisture, to the extent necessary to limit the concentration of subsurface moisture on the area;
- (b) de-compact compacted soils;
- (c) return displaced surface soils, retrievable side-cast and berm materials; and
- (d) where erosion of exposed soil from the area would cause sediment to enter a stream, wetland, or lake, or cause a material adverse effect in relation to one or more of the subjects listed in section 149(1) of the Act, the Holder, unless placing debris or revegetation would not materially reduce the likelihood of erosion, must:
 - (i) place woody debris on the exposed soils, or
 - (ii) revegetate the exposed mineral soils.

5.2.2 Wildlife (FPPR s. 7)	
Information about Applicable Objective	
Objective	The objective set by government for wildlife is, without unduly reducing the supply of timber from British Columbia's forests, to conserve sufficient wildlife habitat in terms of amount of area, distribution of areas and attributes of those areas, for the survival of specified species, which, in the case of this FSP are: <ol style="list-style-type: none"> 1. moose; 2. coastal tailed frog; 3. "Great Basin" gopher snake; 4. flammulated owl; and 5. spotted bat.
Date in Effect	Notices triggering the objective for the species addressed in this FSP were given under Section 7(2) of the Forest Planning and Practices Regulation on December 17, 2004.

5.2.2.1 Winter Survival of Moose	
Information about the Notice	
Amount	A maximum of 694,072 ha, with no impact to the timber supply and consistent with the most recent Timber Supply Review.
Distribution	Winter range foraging habitat and cover is to be distributed proportionately within moose winter ranges, located in forest types at the elevation and on slope aspects typical of ungulate winter ranges for moose in south eastern BC according to the attributes below.
Attributes	<ol style="list-style-type: none"> 1. Foraging habitat: <ul style="list-style-type: none"> • Maintain a minimum of 15% of the net forested land base in early seral stands; early seral is defined as: <ul style="list-style-type: none"> ○ In the IDF and ICH zones - less than 25 years ○ In the MS and ESSF zones - less than 35 years 2. Cover: <ul style="list-style-type: none"> • Cover is defined as coniferous stands of at least 16 m in height with relatively high canopy closure to provide both snow interception and security cover. • At least 50% of cover is to be in patches of 20 ha, or greater • Where possible, cover is to be in close proximity to important riparian features

Result

5.2.2.1.1 Definitions

In Paragraphs 5.2.2.1.1 and 5.2.2.1.2:

- "Cover"** means coniferous stands of at least 16 m in height with canopy closure of 3 or greater.
- "Crown Forest Land Base"** means that portion of Timber Supply Area that is crown land, and forested. This excludes non-forested areas (e.g., water, rock and ice), non-productive forest (e.g., alpine areas, areas with very low productivity), and non-commercial forest (e.g., brush areas).
- "Early Seral"** means stands in the IDF or ICH biogeoclimatic zones with an age of less than 25; or in the MS or ESSF biogeoclimatic zones with an age of less than 35 years.
- "Landscape Unit"** means the landscape units established for the Merritt Timber Supply Area on June 30, 2004 pursuant to section 4(1) of the Forest Practices Code of British Columbia Act.

- (e) **“Moose Winter Range”** means the area identified as Moose Winter Range on the map in Appendix B to this FSP.
- (f) **“Patch”** means the total area of a contiguous stands, meeting the definition of cover;
- (g) **“TSR 5”** means the Merritt Timber Supply Area Timber Supply Review completed on March 30, 2016.

5.2.2.1.2 Result for Winter Survival of Moose

Subject to Paragraph 5.2.2.1.3, a Holder of this FSP harvesting a Cutblock to which this FSP applies will not cause:

- (a) the amount of early seral in each Landscape Unit to be less than 15% of the Crown Forest Land Base;
- (b) the amount of cover in each Landscape Unit to be less than 15% of the Crown Forest Land Base, (unless a lower proportion is determined under paragraph 5.2.2.1.3); or
- (c) greater than 50% of the cover in each Landscape Unit to be in patches less than 20 ha.

5.2.2.1.3 Alternative Result when Landscape Analysis is Completed

A proportion of cover less than 15% may be retained under paragraph 5.2.2.1.2(b) if:

- (a) an analysis is completed by a qualifier registered professional that demonstrates a timber supply impact will occur, compared to TSR 5, as a result of retaining 15% cover in each landscape unit. The analysis may consider factors such as:
 - a. the proportion of non-timber harvesting land base in the landscape unit;
 - b. the target harvest age of regenerating stands in TSR 5;
 - c. the growth rate, mean annual increment and culmination age of regenerating stands;
 - d. the expected time for stands to meet the definition of cover; and
 - e. the distribution of past harvesting on the land base;
- (b) the analysis determines a new maximum amount of cover that can be retained in each landscape unit without causing a timber supply impact; and
- (c) a Holder of this FSP harvesting a Cutblock to which this FSP applies does not cause the amount of cover in each Landscape Unit to be less than the newly determined maximum.

5.2.2.1.4 Alternative Result when Exemption Approved

Paragraph 5.2.2.1.2 does not apply to the extent it is not practicable where the Minister exempts a Holder of this FSP under section 12(7) of the FPPR from the requirement to specify a result or strategy consistent with the established objective for Winter Survival of Moose in relation to a particular area, provided that the harvesting is consistent with any conditions attached to the approval of the exemption.

5.2.2.2 Coastal Tailed Frog	
Information about the Notice	
Amount	2793 ha not exceeding an impact to the mature timber harvesting landbase of 1187 ha (within Cascades Forest District).
Distribution	<p>1. The amount of habitat referenced above must be distributed to provide</p> <ul style="list-style-type: none"> • areas of suitable habitat of the size, spatial distribution and connectivity identified in the species account for Coastal Tailed Frog in the <i>Accounts and Measures for Managing Identified Wildlife</i> (Identified Wildlife Management Strategy Version 2004). <p>2. The areas described above are located within the biogeoclimatic units and preferred elevations identified in the species account for Coastal Tailed Frog in the <i>Accounts and Measures for Managing Identified Wildlife</i> in the Identified Wildlife Management Strategy Version 2004.</p>
Attributes	<p><u>Size:</u> Approximately 20 ha (depending on number and length of suitable stream reaches). Larger areas may be appropriate in watersheds with unstable terrain (class 4-5). Areas should include at least two streams or stream reaches (ie., S4 to S6) with previous detections of tailed frogs. The area should include a 30 m core area buffered by a 20 m management zone on both sides of occupied stream reaches.</p> <p><u>Habitat Attributes:</u> Tailed frog aquatic habitats are generally characterised by year round flow, non fish bearing (S4-S6), intermediate gradient (>2.5%), coarse substrates (>6.4 cm), stable channel beds and forest cover (generally associated with structural stage S6 or S7). Retain 100% forest cover within the core area. Within the management zone maintain 70% basal area with appropriate structure to maintain riparian forest, important structural elements (eg coarse woody debris), water quality and temperature (5-18 degrees), and naturally dispersed water flows.</p> <p><u>Elevation:</u> From sea level to 2140 m.</p>

5.2.2.2.1 Definitions

In Paragraphs 5.2.2.2.1 to 5.2.2.2.3:

- (a) **“Occurrence Site”** means:
 - (i) the reach of stream having an occurrence site of coastal tailed frog as identified on the map in Appendix B to this FSP, or by the BC Conservation Data Centre not less than 12 months prior to cutting authority application or amendment; and
 - (ii) that portion of the stream 100 metres (slope distance) upstream and downstream from the occurrence site referred to in subparagraph (c)(i);
- (b) **“Core Area”** means the greater of the area within:
 - (i) 30 metres (slope distance) on each side of the stream at an Occurrence Site as measured from the edge of the stream channel bank and perpendicular to the stream axis; and
 - (ii) the width of the riparian reserve zone that applies to the stream at the location of the Occurrence Site;
- (c) **“Management Area”** means the greater of the area within:
 - (i) 20 metres (slope distance) beyond a Core Area as measured from the edge of the Core Area and perpendicular to the stream axis; and
 - (ii) the width of the riparian management zone that applies to the stream at the location of the Core Area;
- (d) **“General Tailed Frog Habitat”** means

- (i) the reach of stream having general habitat for tailed frog as identified on the map in Appendix B to this FSP and
- (ii) the area within 50 metres (slope distance) on each side of the stream reach as measured from the edge of the stream channel bank and perpendicular to the stream axis for the stream reaches referred to in subparagraph (d) (i).

5.2.2.2.2 Result for Coastal Tailed Frog

Subject to Paragraph 5.2.2.2.3, a Holder of this FSP harvesting a Cutblock, or constructing a road, to which this FSP applies will not:

- (a) harvest in a **Core Area**;
- (b) harvest more than 30% of the basal area standing in the Cutblock at the commencement of harvesting in either of a **Management Area** or the **General Tailed Frog Habitat**; or
- (c) construct a road in a **Core Area** or **Management Area**.

5.2.2.2.3 Alternative Result to Address Specific Situations or Circumstances

Paragraph 5.2.2.2.2 does not apply to the extent it is not practicable to limit harvesting or road construction in the manner described in that Paragraph where:

- (a) there is no other practicable option for locating a road or stream crossing provided the crossing is installed in a manner that does not have a material adverse effect on the passage of coastal tailed frogs nor on the aquatic habitat of coastal tailed frog;
- (b) the harvesting is required for safety reasons; or
- (c) the harvesting is in the **Management Area** and is required for the purpose of removing trees containing live insect brood, trees blown down by wind, and trees necessary to access those trees, provided the harvesting does not have a material adverse impact on tailed frog habitat.

5.2.2.2.4 Alternative Result when Exemption Approved

Paragraph 5.2.2.2.2 does not apply to the extent it is not practicable where the Minister exempts a Holder of this FSP under section 12(7) of the FPPR from the requirement to specify a result or strategy consistent with the established objective for Coastal Tailed Frog in relation to a particular area, provided that the harvesting is consistent with any conditions attached to the approval of the exemption.

5.2.2.3 Flammulated Owl	
Information about the Notice	
Amount	4050 ha not exceeding an impact to the mature timber harvesting landbase of 3150 ha (within Cascades Forest District).
Distribution	1. The amount of habitat referenced above must be distributed to provide <ul style="list-style-type: none"> • areas of suitable habitat of the size, spatial distribution and connectivity identified in the species account for Flammulated Owl in the <i>Accounts and Measures for Managing Identified Wildlife</i> (Identified Wildlife Management Strategy Version 2004).

	2. The areas described above are located within the biogeoclimatic units and preferred elevations identified in the species account for Flammulated Owl in the <i>Accounts and Measures for Managing Identified Wildlife</i> in the Identified Wildlife Management Strategy Version 2004.
Attributes	<p><u>Size:</u> Between 10 and 30 ha, based on estimated home range size using habitat suitability information. Should include a core area of 7-12 ha that includes key foraging, the nest site and security habitats and ~100 m management zone. Consider a WTP >4 ha where salvage does not occur and where as many suitable wildlife trees as possible are maintained or recruited over the long term (>80 yrs).</p> <p><u>Tree Features</u> Visible woodpecker or natural cavities; understory brush or thickets, snags with cavities.</p> <p><u>Tree Species</u> Most commonly, Ponderosa pine; less commonly, Douglas-fir, trembling aspen or western larch.</p> <p><u>Nesting Habitat Features</u> Includes multi-age class stands with multiple canopy layers, including a veteran tree component for nesting or roosting. Large diameter ponderosa pine for nest trees may be critical to sustain local populations. Nest in Pileated Woodpecker and Northern Flicker cavities and it is therefore important to consider nesting requirement of these species as well. Nests are often located within and/or near foraging habitat.</p> <p><u>Foraging Habitat Features</u> Often forages within 300 m of nest during breeding season. Habitat is characterized by small forest openings (<1 ha) adjacent to Douglas-fir thickets and/or large veteran Douglas-firs or ponderosa pines with heavy branching for security. Understorey structure may be important in forest openings for foraging habitat.</p> <p><u>Tree Size</u> 64-77 cm. In the absence of trees with the preferred dbh, trees >35 cm or largest available should be retained for recruitment.</p> <p><u>Wildlife Tree Class</u> 1, 3-7</p> <p><u>Structural Stage</u> 6 (mature forest), 7 (old forest).</p> <p><u>Elevation:</u> 400-1375 m.</p>

5.2.2.3.1 Result for Flammulated Owl

The result for flammulated owl is the result in Paragraphs 5.1.1.1 and 5.1.1.2 of this FSP.

5.2.2.4 Spotted Bat	
Information about the Notice	
Amount	16 ha not exceeding an impact to the mature timber harvesting landbase of 4 ha (within Cascades Forest District).
Distribution	1. The amount of habitat referenced above must be distributed to provide

	<ul style="list-style-type: none"> • areas of suitable habitat of the size, spatial distribution and connectivity identified in the species account for Spotted Bat in the <i>Accounts and Measures for Managing Identified Wildlife</i> (Identified Wildlife Management Strategy Version 2004). <p>2. The areas described above are located within the biogeoclimatic units and preferred elevations identified in the species account for Spotted Bat in the <i>Accounts and Measures for Managing Identified Wildlife</i> in the Identified Wildlife Management Strategy Version 2004.</p>
Attributes	<p><u>Size</u> 5-10 ha; the area should related to the size of the roost feature (i.e., cliff face) and may in some cases be larger than 10 ha. The core of the area will consist of the roost cliff and talus base; the management zone should be 100 m around the roost cliff.</p> <p><u>Roosting Habitat Features</u> Steep, high cliffs within a few kilometres of suitable feeding areas (riparian areas, marshes, fields, grasslands, and open forest) and close to a source of water are important as day roosts. These sites are typically located in crevices in steep, tall cliffs.</p> <p><u>Foraging Habitat Features</u> Grassland, parkland, forest, wetland, and riparian areas. Foraging corridors, such as lake edges, may also be used.</p> <p><u>Structural Stage</u> There are no structural stage preferences known for this species, as they roost in large cliffs and often forage well above the canopy.</p> <p><u>Elevation</u> Variable. Typically between 300 to 900 m, although most occurrences are below 500 m. In other parts of its range, it has been found from sea level to 3300 m.</p>

5.2.2.4.1 Definitions

In Paragraphs 5.2.2.4.1 to 5.2.2.4.3:

- “**Occurrence Site**” means the occurrence site of Spotted Bat as identified on the map in Appendix B to this FSP, or by the BC Conservation Data Centre not less than 12 months prior to cutting authority application or amendment.
- “**Core Area**” means an area not less than 5 hectares, incorporating an **Occurrence Site** and any cliff feature or talus slope within 150 meters (slope distance) of the **Occurrence Site**; and
- “**Management Area**” means the area located 100 metres (slope distance) beyond the edge of a **Core Area**.

5.2.2.4.2 Result for Spotted Bat

Subject to Paragraph 5.2.2.4.3, a Holder of this FSP harvesting a Cutblock to which this FSP applies will:

- not harvest within a **Core Area**;
- employ a partial cut harvest method in the **Management Zone**, retaining at least 50% of the pre-harvest basal area at the completion of harvest;
- not remove rock or talus from the **Management Zone**,
- not employ the use of pesticides in the **Management Zone**, and

- (e) not construct a road in a *Core Area* or a *Management Area*.

5.2.2.4.3 Alternative Result when Exemption is Approved

Paragraph 5.2.2.4.2 does not apply to the extent it is not practicable where the Minister exempts a Holder of this FSP under section 12(7) of the FPPR from the requirement to specify a result or strategy consistent with the established objective for Spotted Bat in relation to a particular area, provided that the harvesting is consistent with any conditions attached to the approval of the exemption.

5.2.2.5 “Great Basin” Gopher Snake		
Information about the Notice		
Amount	4000 ha not exceeding an impact to the mature timber harvesting landbase of 0 ha (within Cascades Forest District).	
Distribution	<p>1. The amount of habitat referenced above must be distributed to provide</p> <ul style="list-style-type: none"> • areas of suitable habitat of the size, spatial distribution and connectivity identified in the species account for Great Basin Gopher Snake in the <i>Accounts and Measures for Managing Identified Wildlife</i> (Identified Wildlife Management Strategy Version 2004). <p>2. The areas described above are located within the biogeoclimatic units and preferred elevations identified in the species account for “Great Basin” Gopher Snake in the <i>Accounts and Measures for Managing Identified Wildlife</i> in the Identified Wildlife Management Strategy Version 2004.</p>	
Attributes	<p><u>Size</u></p> <p>Approximately 200–300 ha but will depend on site specific factors such as area of suitable habitat and nearness to foraging areas.</p> <p><u>Foraging Habitat Characteristics</u></p> <p>Sites with low disturbance and absence of roads (populations are negatively impacted by mortality, particularly road mortality). Presence of retreat sites including structural elements such as rock outcrops, talus slopes, friable soils, coarse woody debris, burrows in areas with friable soils, concentrations of boulders, or other unconsolidated materials and vegetative cover. Areas with moderate to dense cover provided concealment cover to snakes and maintain foraging opportunities. Properly functioning riparian areas also may provide enhanced foraging opportunities. Grassland, parkland forest, wetland, and riparian areas provide foraging habitat for snakes. Foraging habitats must also provide suitable cover, in the form of vegetation and coarse woody debris, to provide protection from predation. Rock outcroppings and wildlife trees (class 8 and 9[dead fallen]) were observed to be important sources of cover for the snakes.</p> <p><u>Denning</u></p> <p>Rock outcrops or talus habitat. Located on south facing slopes in Ponderosa Pine or Bunchgrass BEC zones.</p> <p><u>Egg-laying Site Characteristics</u></p> <p>South to southeast facing slopes, but are more likely to be found in abandoned rodent burrows than in talus or rock outcrops. Well drained sites.</p> <p><u>Structural stage</u></p> <p>1, 2 and 3.</p> <p><u>Elevation</u></p> <p>250-1100 m.</p>	

5.2.2.5.1 Definitions

In Paragraphs 5.2.2.5.2:

- (a) “**Occurrence Site**” means the location of an occurrence of Great Basin Gopher Snake, as identified spatially:
- (i) by the BC Conservation Data Centre not less than 12 months prior to cutting authority application or amendment; or

- (ii) in a Wildlife Habitat Area proposed by the ministry responsible for Environment not less than 12 months prior to cutting authority application or amendment, that is located outside of an Established Cutblock or Established Road.

- (b) “**Core Area**” means an area within 200 metres (slope distance) of an Occurrence Site.

5.2.2.5.2 Great Basin Gopher Snake Strategy

Subject to paragraphs 5.2.2.5.2 and 5.2.2.5.3, a Holder of this FSP, conducting activities to which this FSP applies within a Great Basin Gopher Snake Core Area, will:

- (a) Not construct a new road to which this FSP applies, unless no practicable alternative exists;
- (b) Not harvest a cutblock to which this FSP applies; and
- (c) Not employ the use of pesticides.

5.2.2.5.3 Alternative Result to Address Specific Situations or Circumstances

Paragraph 5.2.2.5.2 does not apply to the extent it is not practicable to limit harvesting or road construction in the manner described in that Paragraph where:

- (a) there is no other practicable option for locating a road,
- (b) the harvesting is required for safety reasons;
- (c) the harvesting:
 - (i) is for the purpose of recovering **damaged timber**,
 - (ii) a **damaged timber assessment** has been completed, and
 - (iii) at completion of harvesting (or a timeframe otherwise stated in the assessment), all recommendations contained in the **damaged timber assessment** are carried out.

provided that:

- (a) the road construction or harvesting does not occur between April and October of any given year;
- (b) the Holder of this FSP carrying out the road construction or harvesting does not remove or disturb rock outcrops, talus slopes or concentrations of boulders; and
- (c) the Holder of this FSP carrying out road construction restricts access to new constructed road within a Core Area to the extent that it is non-passable to a standard four-wheel drive pickup truck within one year of the completion of Initial Silviculture Activities on the cutblock accessed by the road, where use of the road beyond the cutblock accessed by that road is not required by the FSP Holder within two years following the completion of Initial Silviculture Activities on the cutblock.

5.2.2.5.4 Alternative Result when Exemption is Approved

Paragraph 5.2.2.5.2 does not apply to the extent it is not practicable where the Minister exempts a Holder of this FSP under section 12(7) of the FPPR from the requirement to specify a result or strategy consistent with the established objective for Great Basin Gopher Snake in relation to a particular area, provided that the harvesting is consistent with any conditions attached to the approval of the exemption.

5.2.3 Water, Fish, Wildlife and Biodiversity within Riparian Management Areas (FPPR ss.8 and 12(3))	
Information about Applicable Objective	
Objective	The objective set by government for water, fish, wildlife and biodiversity within riparian areas is, without unduly reducing the supply of timber from British Columbia's forests, to conserve, at the landscape level, the water quality, fish habitat, wildlife habitat and biodiversity associated with those riparian areas.
Date in Effect	This objective was established on the coming into force of the Forest Planning and Practices Regulation on January 31, 2004.

5.2.3.1 Definitions

In Paragraphs 5.2.3.1 to 5.2.3.8:

- (a) **“Affected Area”** means the area of riparian management zone contained within either:
- each Cutblock to which this FSP applies; or
 - a Wildlife Tree Retention Area associated with that cutblock under paragraphs 5.2.6.2 or 5.2.6.3.

- (b) **“Basal Area Equivalency”** means an area determined from the following calculation:

$$\text{Area} = (\text{Area of harvest}) \times \frac{\left(\begin{array}{l} \text{Basal Area of trees} \\ \text{retained within Affected} \\ \text{Area at completion of} \\ \text{harvest} \end{array} + \begin{array}{l} \text{(50\% of Basal Area of} \\ \text{Stubs retained within} \\ \text{Affected area at} \\ \text{completion of harvest)} \end{array} \right)}{\text{Stand Pre-harvest Basal Area}}$$

- (c) **“Contributing Reserved Area”** means area, located within the affected area, that is identified as age class 3 or greater on forest cover maps, or verified in the field as being age class 3 or greater.
- (d) **“Percent Retention”** means the proportion of the *affected area* retained at the completion of harvest based on the following formula:

$$\text{Percent Retention} = 100 \times \left[\frac{(\text{Basal Area Equivalency}) + (\text{Contributing Reserved Area})}{\text{Affected Area}} \right]$$

- (e) **“Stub”** means the residual portion of a standing tree that has either been mechanically felled or broken off and that is 3m in height or greater

5.2.3.2 General Conservation of Values within Riparian Areas

Each Holder of this FSP adopts as a result or strategy for activities of that Holder to which this FSP applies sections 47(4) to (6) (*Stream Riparian Classes*), 48(3) to (5) (*Wetland Riparian Classes*), 49(2), 49(3) (*Lake Riparian Classes*), 51(3) (*Restrictions in a Riparian Reserve Zone*), 52(2) (*Restrictions in a Riparian Management Zone*) and 53 (*Temperature Sensitive Streams*) of the FPPR as they were on the **Legislated Planning Date**.

5.2.3.3 Limitations on Road Construction in a Riparian Management Area

A Holder of this FSP constructing a road to which this FSP applies will not construct the road in a riparian management area unless one of the following applies:

- (a) locating the road outside the riparian management area would create a higher risk of sediment delivery to the stream, wetland or lake to which the riparian management area applies;
- (b) there is no other practicable option for locating the road;
- (c) the road is required as part of a stream crossing; or
- (d) the road:
 - (i) is rehabilitated when it is no longer required for timber harvesting or silviculture activities;
 - (ii) is rehabilitated in a manner consistent with subparagraphs 5.2.1.4 (a) to (d) of this FSP; and
 - (iii) does not cause a material adverse impact in relation to water quality, fish habitat, wildlife habitat and biodiversity.

5.2.3.4 Limitations on Harvesting in a Riparian Reserve Zone

A Holder of this FSP harvesting a Cutblock to which this FSP applies will not cut, modify or remove trees in a riparian reserve zone applicable to that Cutblock, except for the following purposes:

- (a) felling or modifying a tree that is a safety hazard, if there is no other practicable option for addressing the safety hazard;
- (b) topping or pruning a tree that is not wind firm;
- (c) constructing a stream crossing;
- (d) creating a corridor for full suspension yarding;
- (e) creating guyline tiebacks;
- (f) carrying out a sanitation treatment;
- (g) felling or modifying a tree that has been windthrown or has been damaged by fire, insects, disease or other causes, if the felling or modifying will not have a material adverse impact on the riparian reserve zone;
- (h) felling or modifying a tree for the purpose of establishing or maintaining an interpretive forest site, recreation site, recreation facility or recreation trail;
- (i) constructing a road, if there is no other practicable option having regard to topography, engineering constraints, and the safety of the road users, or
- (j) where the harvesting is required for a **development project in the government's interest**, and the harvesting is conducted consistent with any conditions imposed by government.

5.2.3.5 Retention in a Riparian Management Zone

A Holder of this FSP harvesting a Cutblock to which this FSP applies that includes a riparian management zone will not cause the **percent retention**, at the completion of that harvesting, to be less than the following:

Riparian Class	Percent Retention (%)
S1-A stream	50
S1-B stream	25

S2 stream	25
S3 stream	25
S4 stream (fish bearing)	25
S4 stream (non-fish bearing)	1
S5 stream	25
S6 stream (≥ 1.5 m wide, and the harvest method is groundbased)	25
S6 stream (≥ 1.5 m wide, and the harvest method is other than groundbased)	1
S6 stream (< 1.5 m wide)	1
L2, L3, L4	25
W1, W2, W4, W5	25
W3 wetland (greater than or equal to 3 ha)	25
W3 wetland (less than 3 ha)	1

The retention limits above may only be achieved exclusively by stub trees within an individual **affected area** where there are no suitable standing trees to retain within that **affected area** prior to the commencement of harvesting. Suitable trees will be living, windfirm, and not pose a significant forest health risk to the plantation or adjacent timber.

5.2.3.6 Alternative Result to Retention in a Riparian Management Zone

Paragraph 5.2.3.5 does not apply to the extent it is not practicable to do so where the harvesting is for a purpose described in Paragraph 5.2.3.4 (g) or (j).

5.2.3.7 Restricted Operation of Machinery

A Holder of this FSP harvesting a cutblock, or carrying out a silviculture treatment, to which this FSP applies that includes a riparian management zone of an S4, S5, or an S6 will not permit the tracks or wheels of ground-based machinery within 5 meters of a stream bank for the purpose of protecting natural vegetation including brush, advanced regeneration and deciduous trees.

5.2.3.8 Alternative Result to Restricted Operation of Machinery

Paragraph 5.2.3.7 does not apply:

- (a) at stream crossings;
- (b) for the purpose of removing trees to address a safety concern;
- (c) where operating the machinery more than 5 meters from the stream bank will create a higher risk of sediment delivery to the stream; or
- (d) where the harvesting or treatment is conducted in a manner that protects stream banks and natural vegetation.

5.2.4 Water in Community Watersheds (FPPR s.8.2)	
Information about Applicable Objective	
Objective	<p>The objective set by government for water being diverted for human consumption through a licenced waterworks in a community watershed is to prevent the cumulative hydrological effects of primary forest activities within the community watershed from resulting in:</p> <ul style="list-style-type: none"> (a) a material adverse impact on the quantity of water or the timing of the flow of the water from the waterworks, or (b) the water from the waterworks having a material adverse impact on human health that cannot be addressed by water treatment required under <ul style="list-style-type: none"> (i) an enactment, or (ii) the licence pertaining to the waterworks. <p>This objective applies only to the extent that it does not unduly reduce the supply of timber from British Columbia's forests.</p>
Date in Effect	This objective was established with the coming into force of an amendment to the Forest Planning and Practices Regulation on February 25, 2005.

5.2.4.1 Definitions

In Paragraphs 5.2.4.2 to 5.2.4.3:

- (a) **“Community Watershed Assessment”** means an assessment, conducted by a qualified professional, of a community watershed that:
 - (i) reviews the cumulative hydrological effects of existing and proposed human activities (including established cutblocks and established roads) on the watershed; rates of hydrologic recovery within the watershed; watershed characteristics; watershed processes; and waterworks infrastructure;
 - (ii) identifies the potential for primary forest activities to result in:
 - (I) a material adverse impact on the quantity of water or the timing of the flow of the water from the waterworks; and
 - (II) the water from the waterworks having a material adverse impact on human health that cannot be addressed by water treatment required under an enactment, or the licence pertaining to the waterworks;
 - (iii) includes recommendations to mitigate the identified impacts to water quantity, timing of flow, and water quality; and
 - (iv) where it relates to an existing assessment, is considered relevant if a qualified professional determines that the assessment recommendations continue to be valid.

5.2.4.2 General Conservation of Water Quality and Waterworks

Each Holder of this FSP adopts as a result or strategy for activities of that Holder to which this FSP applies sections 59 (*Protecting Water Quality*), 60(2) (*Licensed Waterworks*) and 61 (*Excavated or Bladed Trails*) of the FPPR as they were on the **Legislated Planning Date**.

5.2.4.3 Limitations on Harvesting and Road Construction

Subject to Paragraph 5.2.4.3, if a Holder of this FSP is harvesting timber or constructing a road to which this FSP applies in a community watershed that:

- (a) is defined in section 8.2(1) of the FPPR;

- (b) is located in an FDU; and
- (c) contains a licenced waterworks through which water is being diverted for human consumption;
that Holder will:
- (d) before carrying out timber harvesting or road construction ensure a qualified professional completes a ***Community Watershed Assessment***; and
- (e) subject to paragraphs 5.2.4.4 and 5.2.4.5, conduct primary forest activities consistent with the recommendations in the ***Community Watershed Assessment***;

5.2.4.4 Alternative Strategy to Address Specific Situations or Circumstances

Paragraph 5.2.4.3 does not apply where the Holder of this FSP undertaking the harvesting or construction where the harvesting or road construction is required for a ***development project in the government's interest***, and the harvesting or road construction is conducted consistent with any conditions imposed by government.

5.2.4.5 Alternative Strategy when Exemption is Approved

Paragraph 5.2.4.3 does not apply where the Holder of this FSP undertaking the harvesting or construction is granted an exemption under section 8.2(4) or (5) of the FPPR.

Paragraph 5.2.4.3 does not apply to the extent it is not practicable where the Minister exempts a Holder of this FSP under section 12(7) of the FPPR from the requirement to specify a result or strategy consistent with the established objective for Water in Community Watersheds in relation to a particular area, provided that the harvesting is consistent with any conditions attached to the approval of the exemption.

5.2.5 Wildlife and Biodiversity – Landscape Level (FPPR s.9)

Information about Applicable Objective	
Objective	The objective set by government for wildlife and biodiversity at the landscape level is, without unduly reducing the supply of timber from British Columbia's forests and to the extent practicable, to design areas on which timber harvesting is to be carried out that resemble, both spatially and temporally, the patterns of natural disturbance that occur within the landscape.
Date in Effect	This objective was established on the coming into force of the Forest Planning and Practices Regulation on January 31, 2004.

5.2.5.1 Maximum Cutblock Size and Harvesting Adjacent to another Cutblock

Each Holder of this FSP adopts as a result or strategy for activities of that Holder to which this FSP applies sections 64(1) (*Maximum Cutblock Size*) and 65(2) (*Harvesting Adjacent to Another Cutblock*) of the FPPR as they were on the ***Legislated Planning Date***.

5.2.5.2 Alternative Result to Address Specific Situations or Circumstances

Paragraph 5.2.5.1 does not apply where the Holder of this FSP is undertaking harvesting required for a ***development project in the government's interest***, and the harvesting or road construction is conducted consistent with any conditions imposed by government.

5.2.6 Wildlife and Biodiversity – Stand Level (FPPR s.9.1)	
Information about Applicable Objective	
Objective	The objective set by government for wildlife and biodiversity at the stand level is, without unduly reducing the supply of timber from British Columbia's forests, to retain wildlife trees.
Date in Effect	This objective was established on the coming into force of the Forest Planning and Practices Regulation on January 31, 2004.

5.2.6.1 Definitions

In Paragraphs 5.2.6.1 to 5.2.6.3:

- (a) **“Assessment Group”** means, for each licence to which this FSP applies, all of the cutblocks belonging to cutting permits issued in each calendar year.
- (b) **“Gross Block Area”** means the area of a Cutblock that includes the net area to be reforested and the area occupied by permanent access structures;
- (c) **“Wildlife Tree Retention”** means the area composed of both of the following:
 - (i) a wildlife tree retention area; and
 - (ii) the area of wildlife trees retained within a Cutblock based on the following formula:

$$\text{Area} = \frac{(\text{Net Area to Reforest of the Cutblock}) * (\text{basal area reserved from harvesting})}{(\text{Original basal area of the Cutblock})}$$

5.2.6.2 Wildlife Tree Retention for Each Assessment Group

A Holder of this FSP who harvests timber on a Cutblock to which this FSP applies will ensure that, upon the expiry of the final cutting permit in the **assessment group**, that the total Wildlife Tree Retention that relates to the Cutblocks within the **assessment group** will be a minimum of 7% of the total **Gross Block Area** of all blocks in the assessment group.

5.2.6.3 Wildlife Tree Retention for a Single Cutblock

A Holder of this FSP harvesting timber on a Cutblock to which this FSP applies, that exceeds a **Gross Block Area** of:

- (a) 2 hectares if the cutblock is predominantly located within the Interior Douglas Fir Biogeoclimatic Zone, or
- (b) 10 hectares if the cutblock is not predominantly located within the Interior Douglas Fir Biogeoclimatic Zone

will ensure that on completion of the harvesting, the total Wildlife Tree Retention that relates to the Cutblock will be a minimum of 3.5% of the **Gross Block Area**.

5.2.6.4 Restrictions on Harvesting Wildlife Tree Retention

A Holder of this FSP will not harvest Wildlife Tree Retention it has provided under Paragraph 5.2.6.2 or 5.2.6.3 unless:

- (a) the trees on the net area to be reforested of the Cutblock to which the Wildlife Tree Retention relates have developed attributes consistent with a mature seral condition;
- (b) that Holder of this FSP specifies in a site plan, on or before the reporting of harvest completion of the Cutblock a replacement area, number of trees or habitat that is equivalent to the portion of the Wildlife Tree Retention from which timber is to be harvested; or

- (c) the harvesting is:
- (i) for the purpose of maintaining a road;
 - (ii) required for safety reasons; or
 - (iii) required for a ***development project in the government's interest***, and the harvesting is conducted consistent with any conditions imposed by government.

5.2.7 Cultural Heritage Resources (FPPR s.10)	
Information about Applicable Objective	
Objective	The objective set by government for cultural heritage resources is to conserve, or, if necessary, protect cultural heritage resources that are: (a) the focus of a traditional use by an aboriginal people that is of continuing importance to that people, and (b) not regulated under the <i>Heritage Conservation Act</i> .
Date in Effect	This objective was established on the coming into force of the Forest Planning and Practices Regulation on January 31, 2004.

5.2.7.1 Definitions

In Paragraph 5.2.7.1 and 5.2.7.2:

- (a) **“Potentially Affected First Nations”** means those First Nations with interest in an area where new cutblocks or roads are located. The First Nations with interests are those First Nations identified in the Current Consultative Areas Database, unless an alternative agreement has been reached between the Holder of this FSP and the First Nation.
- (b) **“Current”** means the version of the Consultative Areas Database or equivalent government system as it was 120 days prior to the Holder of this FSP applying for a road permit or cutting permit, unless otherwise agreed to by the District Manager through the approval of the road permit or cutting permit.
- (c) **“CHR”** means a cultural heritage resource;
- (d) **“CHR applicable to this FSP”** means a cultural heritage resource that is
 - (i) the focus of a traditional use by an aboriginal people that is of continuing importance to that people;
 - (ii) not regulated under the *Heritage Conservation Act* RSBC 1996, c.187; and
 - (iii) likely to be adversely affected by the primary forest activities.

5.2.7.2 Conservation or Protection of Cultural Heritage Resources

- (a) Prior to harvesting a cutblock or constructing a road, the Holders of this FSP will determine the presence of CHRs applicable to this FSP by referring areas where new cutblocks or roads are proposed to **Potentially Affected First Nations**, requesting specific information regarding CHR values.
- (b) Where a CHR applicable to this FSP is identified, the Holders of this FSP will work with the First Nation group that identified the CHR to develop a strategy to mitigate the direct impact of primary forest activities on the CHR.
- (c) In the event that agreement is not reached regarding the mitigation strategies, develop a mitigation strategy independently of the First Nation group that identified the CHR and:
 - (i) communicate to the First Nation group that identified the CHR what mitigation strategies will be undertaken; and
 - (ii) communicate to District Manager the proposed mitigation strategies in the road permit or cutting permit application.
- (d) The Holder of this FSP will carry out primary forest activities consistent with the developed mitigation strategies.

FL A18674, FL A18698; FL A18970, FL A55527, FL A55529
FL A61106, FL A65006, FL A74911, FL A81878, FL A82224,
FL A82518, FL A82566, FL A84498, FL A85449, FL A88928,
FL A88927, **FLA91320, FLA91615**, FL A91842, CFA K2Y,
FLTC A97226 , **FLTC A98390**

5.3 Other Objectives Established or Continued under FRPA

5.3.1 Scenic Areas (Act ss.180 and 181)	
Information about Applicable Objective	
Objective	Visual quality objectives and their applicable scenic areas are identified on the map in Appendix B to this FSP.
Date in Effect	These objectives were established by the District Manager, Cascades Forest District, under the authority of the <i>Forest Practices Code of British Columbia Act</i> on September 30, 2003.

5.3.1.1 Definitions

In Paragraphs 5.3.1.1 to 5.3.1.4:

- (a) **“Established Visual Quality Objective”** means a visual quality objective identified on the map in Appendix B(d) to this FSP;
- (b) **“Visual Landscape Unit”**: means an area of land identified as a unique visual landscape unit on the map in Appendix B(d) to this FSP.
- (c) **“Significant Public Viewpoint”** means a location which is on the water or land that is accessible to the public that is representative of significant public viewing opportunity, and has relevance to the landscape being assessed. The viewpoint is not necessarily the viewpoint identified in the visual landscape inventory completed by the MFLNRO.

5.3.1.2 Limitations on Harvesting and Road Construction

Subject to Paragraphs 5.3.1.3 and 5.3.1.4, where a Holder of this FSP harvests a cutblock or constructs a road within a Visual Landscape Unit, the resulting visual alteration (including established cutblocks and established roads) when assessed from a significant public viewpoint at completion of harvesting or road construction will be consistent with the applicable category described in FPPR Section 1.1 (*Categories of Visually Altered Forest Landscape*) based on the Established Visual Quality Objective.

5.3.1.3 Alternative Result to Address Specific Situations or Circumstances

Paragraph 5.3.1.2 does not apply to the extent it is not practicable where:

- (a) the harvesting is required for a ***development project in the government’s interest***, and the harvesting is conducted consistent with any conditions imposed in writing by government;
- (b) timber harvesting or road construction is required for safety reasons; **or**
- (c) engineering constraints limit the location of roads;

provided:

- (d) a rationale is prepared by a qualified professional, and
- (e) the rationale is retained by the holder of this FSP and made publicly available on request at any reasonable time at the holder’s place of business.

5.3.1.4 Alternative Result if Exemption Approved

Paragraph 5.3.1.2 does not apply to the extent it is not practicable where the Minister exempts a Holder of this FSP under section 12(7) of the FPPR from the requirement to specify a result or strategy consistent with the established objective for Visual Quality in relation to a particular area, provided that:

- (a) Measures are carried out to reduce the visual acuity and/or perceived scale of the resulting harvest by designing cutblocks and roads in a manner consistent with the design elements contained in section 1.1 of the FPPR (*Categories of Visually Altered Forest Landscape*) associated with the established VQO by:
 - (i) Mimicking natural line and form;
 - (ii) Incorporating irregular cutblock boundaries; and/or
 - (iii) Retaining dispersed or groups of trees
- (b) the extent of alteration does not exceed the amount necessary to address the current circumstances or conditions, such as damaged timber;
- (c) a rationale is prepared to support the Categories of Altered Forest Landscape design that indicates the level of consistency with the components (scale, visual acuity and design) of the VQO; and
- (d) any conditions associated with the approval of the 12(7) exemption are followed.

5.3.2 Objectives for interpretive forest sites, recreation sites or recreation trails (FRPA ss.56(3), 180 and 181)	
Information about Applicable Objective	
Objective	Objectives for recreation sites and recreation trails are included in Appendix D.
Date in Effect	The above objectives were established by the District Manager, Cascades Forest District, under the authority of the Forest Practices Code Act on January 31, 2000.

Result or Strategy

5.3.2.1 Definitions

In Paragraphs 5.3.2.1 to 5.3.2.2:

- (a) **“Objective”** means an objective established in the Order;
- (b) **“Order”** means the Order to Establish Objectives for a Recreation Site, Recreation Trail or Interpretive Forest Site applicable to the Cascades Forest District and dated January 31, 2000;
- (c) **“Site”** means recreation sites identified in the order, the extent of which is identified on the exhibit A maps for recreation sites held by the Ministry responsible for interpretive forest sites, recreation sites or recreation trails; and
- (d) **“Trail”** means trail identified in the order, the location of which is identified on the exhibit A maps for recreation sites held by the Ministry responsible for interpretive forest sites, recreation sites or recreation trails.

5.3.2.2 Limitations on Primary Forest Activities

A Holder of this FSP carrying out a primary forest activity under a CP or RP to which this FSP applies in an area of an FDU subject to an Objective will:

- (a) if an Objective refers to managing a Trail for a “semi primitive experience” not construct a new permanent road within 50 metres (slope distance) of that Trail except for a crossing of the Trail or no other practicable option exists;
- (b) if an Objective refers to managing a Trail for a “semi primitive non-motorized recreation experience” not construct a new permanent road within 50 metres (slope distance) of that Trail except for a crossing of the Trail or no other practicable option exists. Measures will be implemented at new trail crossings to significantly impede motorized access onto the trail upon the completion of road construction;
- (c) if an Objective refers to managing a Site for a “semi primitive motorized recreation experience” or “semi primitive non motorized recreation experience”, not harvest a cutblock or construct a new road within that Site;
- (d) if an Objective requires that a Trail or Site be maintained or conserved, not render that Trail or Site ineffective, as determined at the completion of a primary forest activity that directly affects that Trail or Site, if that Trail or Site is then being maintained by or on behalf of government;
- (e) if an Objective applicable to a Site requires the conservation of the lakeshore, river shore, or creek shore, not conduct primary forest activities within 10 metres (slope distance) of the identified shore;
- (f) if an Objective requires the conservation of vegetation or natural vegetation adjacent to a Trail or Site:
 - (i) not use tracks or wheels of ground based machinery within 2.5 metres (slope distance) of that Trail or Site, except for a crossing of the Trail, unless no other practicable option exists; and
 - (ii) not harvest windfirm trees that do not pose a forest health risk within 2.5 metres (slope distance) of that Trail or Site except at crossings of the Trail;
- (g) subject to subparagraphs (a), (d) and (f), if an Objective prohibits motorized use of a Trail, not carry on such prohibited use except to the extent necessary to facilitate harvesting or road construction and use on or contiguous to that Trail.

5.3.2.3 Alternative Result to Address Specific Situations or Circumstances

Paragraph 5.3.2.2 does not apply to the extent:

- (a) The Ministry responsible for interpretive forest sites, recreation sites or recreation trails agrees in writing to the proposed primary forest activity; and
- (b) The primary forest activity is conducted consistent with any conditions identified by the Ministry responsible for interpretive forest sites, recreation sites or recreation trails.

5.3.3 Fisheries Sensitive Watersheds	
Information about Applicable Objective	
Objective	<ol style="list-style-type: none"> For the Fisheries Sensitive Watersheds identified by this Order, the objectives are: <ol style="list-style-type: none"> Maintain channel stability and riparian function by retaining and protecting all mature timber and/or other natural vegetation on all active fluvial units on: <ol style="list-style-type: none"> Fish streams; and Streams that are a direct tributary to fish streams. Minimize adverse sediment related effects to fish and fish streams by maintaining a very low likelihood of harmful sediment delivery from unnatural sediment sources to: <ol style="list-style-type: none"> Fish streams; and Streams that are a direct tributary to fish streams. To protect the quantity and timing of annual and seasonal flows establish and maintain a sustainable rate of cut for the fisheries sensitive watershed and/or specified basins, that does not exceed 25% Equivalent Clearcut Area (ECA) above the snowline; with forest harvesting distributed by aspect, sub-basin and elevation where possible. For the purpose of conducting primary forest activities in Fisheries Sensitive Watersheds identified by this Order, the following Table 2 outlines where objective 1 c is to be applied.
Date in Effect	April 13, 2018.

5.3.3.1 Definitions

In paragraphs 5.3.3.2 and 5.3.3.3:

- “Order”** means the Order Establishing Fisheries Sensitive Watersheds for the Cascades Forest District dated March 27, 2018.
- “Fisheries Sensitive Watershed”** means the watersheds, basins and residual watersheds identified in Table 1.0 of the Order.
- “Fisheries Sensitive Watershed Assessment”** means an assessment, conducted by a qualified professional, of a fisheries sensitive watershed that:
 - Evaluates, and where necessary includes recommendations related to, the distribution of forest harvesting by aspect, elevation and sub-basin, above the snowline within a **watershed to which Objective 1(c) applies**;
 - Determines the sustainable rate of cut for the watershed and/or specified basin above the snowline;
 - where it relates to an existing assessment, is considered relevant if a qualified professional determines that the assessment recommendations continue to be valid.
- “sediment sources to which the order applies”** means a source of sediment resulting from primary forest activities which were first authorized on or after April 13, 2018.
- “Watershed to which Objective 1(c) applies”** means the following watersheds, basins or residual watersheds:
 - Teepee Creek Basin,
 - Upper Prospect Creek Basin,
 - West Prospect Creek Basin,
 - Southwest Prospect Creek Basin,
 - South Prospect Creek Basin,
 - West Upper Spius Creek Watershed,
 - South Upper Spius Creek Watershed,
 - Upper Spius Creek Watershed,
 - Upper Maka Creek Basin,
 - East Upper Maka Creek Basin
 - Maka Creek Residual Basin,

- (xii) Brook Creek Basin,
- (xiii) Upper Coldwater River Watershed,
- (xiv) Juliet Creek Basin,
- (xv) July Creek Basin, and
- (xvi) Upper Coldwater Residual Basin.

In paragraph 5.3.3.2 and 5.3.3.3 the following terms have the same meaning as defined in Schedule B of the Order, as they were on the ***Legislated Planning Date***:

- (a) Active Fluvial Unit (AFU);
- (b) Annual Flow;
- (c) Equivalent Clearcut Area (ECA);
- (d) Establish;
- (e) Harmful;
- (f) Protect;
- (g) Retain;
- (h) Riparian Function;
- (i) Seasonal Flows;
- (j) Sediment Delivery;
- (k) Snowline;
- (l) Sustainable Rate-of-Cut;
- (m) Un-natural Sediment Source;
- (n) Very Low Likelihood

5.3.3.2 Limitations on Primary Forest Activities

- (a) Prior to harvesting timber above the snowline in a ***watershed to which objective 1(c) applies***, a holder of this FSP will ensure there is a ***Fisheries Sensitive Watershed Assessment*** that applies to the area.
- (b) A Holder of this FSP harvesting timber to which this FSP applies, above the ***snowline*** in a ***watershed to which objective 1(c) applies***, will:
 - (i) not cause the equivalent clearcut area (ECA) above the snowline in that watershed to exceed 25%;
 - (ii) distribute harvesting by aspect, sub-basin and elevation as identified in the ***Fisheries Sensitive Watershed Assessment***; and
 - (iii) not cause the rate of harvest to exceed the ***sustainable rate-of-cut*** as identified in the ***Fisheries Sensitive Watershed Assessment***.
- (c) A Holder of this FSP conducting primary forest activities to which this FSP applies, in a Fisheries Sensitive Watershed, will:
 - (i) not cause the likelihood of ***harmful sediment delivery*** from ***unnatural sediment sources to which the order applies***, to fish streams, or streams that are a direct tributary to fish streams, to be higher than a ***very low likelihood***; and
 - (ii) ***retain*** and ***protect*** all mature timber and/or other natural vegetation on all ***active fluvial units*** on fish streams, and streams that are a direct tributary to fish streams.

5.3.3.3 Alternative Result for specific situations or circumstances

Paragraph 5.3.3.2(c)(ii) does not apply for the purpose of constructing a road provided:

- (a) The road is a stream crossing; or
- (b) There is no other practicable location for the road;
- and
- (c) A qualified professional has assessed the proposed road location, or stream crossing, and has identified mitigative measures to be implemented to maintain channel stability and ***riparian function***; and
- (d) Those mitigative measures are implemented at completion of road construction.

Paragraph 5.3.3.2 does not apply to the extent it is not practicable where the primary forest activity is required for a ***development project in the government's interest***, and the harvesting is conducted consistent with any conditions imposed in writing by government.

5.3.3.4 Alternative Result when Exemption is Approved

Paragraph 5.3.3.2 does not apply to the extent it is not practicable where the Minister exempts a Holder of this FSP under section 12(7) of the FPPR from the requirement to specify a result or strategy consistent with the established objective for Fisheries Sensitive Watersheds in relation to a particular area, provided that the harvesting is consistent with any conditions attached to the approval of the exemption.

6 Stocking Standards (Act ss.29 and 197(5) and FPPR ss.16, 44 and 45)

A Holder of this FSP that is establishing a free growing stand:

- (a) under section 29 of the Act; or
- (b) on an area within a Cutblock listed in Appendix C to this FSP,

will, as of the commencement of the term of this FSP, do so in accordance with the stocking standards set out in Appendix A to this FSP.

These stocking standards, as previously approved, will remain in effect until changes are required to implement the updated Biogeoclimatic Ecosystem Classification (BEC) and associated Land Management Handbooks. When required, an amendment will be made to incorporate the stocking standards and variations, as developed by the Thompson Okanagan Stocking Standards Working Group.

7 Measures to Prevent the Introduction or Spread of Invasive Plants (Act s.47 and FPPR s.17)

Information about Applicable Measure

Source	FPPR s. 17
	For the purpose of section 47 [<i>invasive plants</i>] of the Act, a person who prepares a forest stewardship plan must specify measures in the plan to prevent the introduction or spread of species of plants that are invasive plants under the Invasive Plants Regulation, if the introduction or spread is likely to be the result of the person's forest practices. [am. B.C. Reg. 580/2004, s. 15]
Source	FRPA s. 47
	<p>(1) A person carrying out a forest practice or a range practice must carry out measures that are</p> <p>(a) specified in the applicable operational plan, or</p> <p>(b) authorized by the minister</p> <p>to prevent the introduction or spread of prescribed species of invasive plants.</p> <p>(2) Despite expiry of the operational plan referred to in subsection (1) (a), subsection (1) continues to apply to the holder of that plan in respect of any area that is</p> <p>(a) in a forest development unit included in the plan, and</p> <p>(b) subject to a cutting permit or road permit issued in respect of the plan before the plan expired.</p> <p>(3) If a forest stewardship plan is amended to remove the holder of a licence or an agreement as a party to the plan, subsection (1) continues to apply to that holder in respect of any area that is</p> <p>(a) in a forest development unit included in the plan, and</p> <p>(b) subject to a cutting permit or road permit issued in respect of the plan before the plan was amended.</p>

7.1 Definitions

In Paragraphs 7.2 to 7.6:

- (a) **“High Hazard Invasive Plants”** means the following plants from the Invasive Plant Regulation which were identified as requiring priority attention as they pose a greater threat to the natural environment:

Common Name	Scientific Name	Common Name	Scientific Name
Common tansy	<i>Tanacetum vulgare</i>	Brown knapweed	<i>Centaurea jacea</i>
Hoary Cress	<i>Cardaria draba</i>	Common bugloss	<i>Anchusa officinalis</i>
Orange hawkweed	<i>Hieracium aurantiacum</i>	Field scabious	<i>Knautia arvensis</i>
Spotted knapweed	<i>Centaurea maculosa</i>	Rush skeletonweed	<i>Chondrilla juncea</i>
Sulphur cinquefoil	<i>Potentilla recta</i>	Scotch broom	<i>Cytisus scoparius</i>
Blueweed	<i>Echium vulgare</i>	Scotch thistle	<i>Onopordum acanthium</i>
Hoary alyssum	<i>Berteroa incana</i>	Tansy ragwort	<i>Senecio jacobaea</i>
Leafy spurge	<i>Euphorbia esula</i>	Teasel	<i>Dipsacus fullonum</i>
Baby's breath	<i>Gypsophila paniculata</i>	Perennial Pepperweed	<i>Lepidium latifolium</i>
Black knapweed	<i>Centaurea nigra</i>		

- (b) **“Invasive Plant Zone”** means the zone as determined by the Holders of this FSP, and updated on an annual basis, designed to encompass, and buffer by 500 m, the known locations of Invasive Plants contained in the Invasive Plant Regulation. The known locations are those identified in the Invasive Alien Plant Program maintained by the provincial government.
- (c) **“Personnel”** means persons working on behalf of the Holder of this FSP conducting activities such as road and cutblock development, road inspections, site plan data collection, road and logging supervision, and silviculture surveys.

- (d) “**Insufficiently Revegetated**” means an inadequate amount of vegetation cover to prevent the establishment of invasive plants as determined by a qualified professional.

7.2 Education of Personnel

The Holder of this FSP will provide annual training to **personnel** on reporting and identification of the **High Hazard Invasive Plants**.

7.3 Identifying and Reporting

The Holder of this FSP will ensure that a previously unidentified **High Hazard Invasive Plant** infestation within the FDU, as identified by **personnel**, is reported through the Report-A-Weed app (www.gov.bc.ca/invasive-species) within 90 days of the Holder of this FSP becoming aware of the new infestation.

7.4 Seeding

If a Holder of this FSP exposes mineral soil:

- (a) within an FDU,
 - (b) that exposure results from the activities to which this FSP applies,
 - (c) the exposure results from the activities in the following table,
 - (d) the exposure meets the criteria in the following table, and
 - (e) it is likely that an invasive plant will be introduced or spread as a result of this exposure,
- that Holder of this FSP will seed the exposed area in accordance with Paragraphs 7.5.

Activity	Description of area to be seeded	Location of Exposed Mineral Soil
Construct, Reconstruct, or Deactivate	<ul style="list-style-type: none"> Permanent landings; Cut slopes, fill slopes and ditch lines of permanent roads; 	Within the FDU (For greater clarity, this clause applies to areas both within and outside the Invasive Plant Zone described in section 7.1 of this FSP)
Construct or use	<ul style="list-style-type: none"> Borrow pit authorized under a RP or CP 	Within the FDU (For greater clarity, this clause applies to areas both within and outside the Invasive Plant Zone described in section 7.1 of this FSP)
Timber Harvesting, Silviculture Treatments, Road Construction and Road Deactivation	<ul style="list-style-type: none"> Exposed mineral soil exceeding 0.1 contiguous ha. (excluding the running surface of permanent roads) 	At the time the activity takes place, the activity is within an Invasive Plant Zone

7.5 Timing and Seed Quality

- (a) A Holder of this FSP referred to in Paragraph 7.4 will seed with Common #1 Forage Mixture or better:
 - (i) at least 90% of the total area exposed in a calendar year that requires seeding under Paragraph 7.4, by July 1 of the immediately following calendar year; and

- (ii) the remainder of such exposed area prior to December 31 of the same immediately following calendar year.
- (b) If within 24 months of the grass seeding identified in subparagraph (a) above, it is identified during road inspections that the area is *insufficiently revegetated*, then the exposed area will be re-seeded at least once in addition to the seeding identified in subparagraph (a) above, unless determined by a qualified professional that re-seeding is unlikely to increase the vegetative cover.

7.6 Inspection of Equipment

If a Holder of this FSP conducts timber harvesting, silviculture treatments, road construction, or road deactivation, to which this FSP applies, within a cutblock or road which contains an ***Invasive Plant Zone***, then the Holder of this FSP will instruct the person conducting the activity to remove any observed invasive plant material, or significant accumulations of soil (greater than 2 litre accumulation) which may contain invasive plant material, from the machinery prior to that machinery being relocated outside of the cutblock or road.

8 Measures to Mitigate the Effect of Removing or Rendering Ineffective Natural Range Barriers	
Information about Applicable Measure	
Source	FPPR s. 18
	For the purpose of section 48 [<i>natural range barriers</i>] of the Act, a person who prepares a forest stewardship plan must specify measures to mitigate the effect of removing or rendering ineffective natural range barriers.
Source	FRPA s. 48
	A person carrying out (a) a forest practice, or (b) a range practice that directly or indirectly removes or renders ineffective a natural range barrier must carry out measures that are (c) specified in an operational plan for the area, or (d) authorized by the minister to mitigate the removal or the ineffectiveness of the natural range barrier.

8.1 Definitions

In Paragraphs 8.2 to 8.4:

- (a) “**Pasture Boundary**” means a boundary of a pasture identified in a Range Use Plan as provided to the Holders of this FSP from the ministry responsible for range.
- (b) “**Range Tenure Boundaries**” means boundary of a tenured range as provided to the Holders of this FSP from the ministry responsible for range.
- (c) “**Range Tenure Holder**” means:
 - a. a holder of an agreement under the *Range Act* or *Land Act* authorized to graze livestock within the FDU to which this FSP applies,
 - b. where the range tenure area is not currently assigned to an agreement holder under the *Range Act* or *Land Act*, means the ministry responsible for range district range staff, or
 - c. where the holder of an agreement under the *Range Act* or *Land Act* does not provide information, means the district range staff of the ministry responsible for range, a range agrologist, or other qualified professional.

8.2 Communication with Range Tenure Holders

The Holders of this FSP will extend an offer to meet at least annually with **Range Tenure Holders** that may be affected by proposed cutblocks or roads to share information pertaining to forest development and the location of natural range barriers within the range tenure area of interest.

Prior to harvesting a cutblock to which this FSP applies, the Holders of this FSP will provide maps to the district range staff of the ministry responsible for range depicting the location of **Range Tenure Boundaries**, **Pasture Boundaries** and the general location of proposed cutblocks and roads.

8.3 Measures

If:

- (i) within the FDU there is a significant topographic or vegetative feature that stops or significantly impedes movement of livestock, to and from an adjacent area; and

- (ii) the **Range Tenure Holder** identifies to the Holders of this FSP prior to the issuance of an RP or CP referred to in subparagraph (iii) that the **Range Tenure Holder** will rely on that feature to control the movement of that livestock,

then if:

- (iii) that feature is breached by a Holder of this FSP through the construction of a road authorized by a CP or an RP, or the harvesting of a cutblock authorized by a CP;
- (iv) that breach will enable those livestock to pass through the feature; and
- (v) the Holder of this FSP determines through discussions with the **Range Tenure Holder** that it is necessary to mitigate the breach,

the Holder of this FSP that constructed the road, or harvested the cutblock, subject to the ministry responsible for range approval, will:

- (vi) re-establish a barrier to livestock movement, or
- (vii) carry out other similar measures agreed to with the **Range Tenure Holder**.

8.4 Timing

A Holder of this FSP referred to in Paragraph 8.3 will carry out the measures referred to in that Paragraph:

- (a) within 1 month of the completion of road construction or harvesting if the construction or harvesting is completed with more than one month remaining in an existing grazing season;
- (b) within 1 month after the start of the next grazing season at the location of the breach, if construction or harvesting is completed with one month or less remaining in an existing grazing season or after conclusion of that grazing season; or
- (c) at such alternate time as that Holder of this FSP may agree with the **Range Tenure Holder**.

**9 Signatures of Persons Authorized to Sign on Behalf of
Persons Required to Prepare this FSP (Act s.5(3))**

Weyerhaeuser Company Limited,
Princeton Wood Preservers / Hu'Kwa Resources
Princeton and District Community Forest Corporation
Princeton Forest Products
Upper Similkameen Indian Band
Vermillion Forks Community Forest Corporation
Princeton Post and Rail

Per: _____

Jason Carmichael, RPF

May 5, 2022

Stuwix Resource Ltd.
Coldwater Indian Band
Lower Nicola Indian Band
Upper Nicola Band
Nooaitch Indian Band
Shackan Indian Band

Per: _____

Shaun Hales, RPF

May 5, 2022

Appendix A: Stocking Standards

1.0 Interpretation

1.1 Definitions

In this Appendix, unless this Appendix specifies, or the context requires, otherwise:

- (a) **“Even-Aged Stand”** means a post-harvest stand of trees consisting of:
 - (i) one or two Layers; or
 - (ii) consisting of three or more Layers with less than 100 total trees per hectare in Layer 1 and Layer 2 combined;
- (b) **“Layer”** means any of Layer 1, Layer 2, Layer 3 or Layer 4;
- (c) **“Layer 1”** means mature trees at least 12.5 centimetres in diameter at breast height;
- (d) **“Layer 2”** means pole trees 7.5 to 12.4 centimetres in diameter at breast height;
- (e) **“Layer 3”** means sapling trees greater than 1.3 metres in height and up to 7.4 centimetres in diameter at breast height;
- (f) **“Layer 4”** means regeneration trees less than 1.3 metres in height; and
- (g) **“Uneven-Aged Stand”** means a post-harvest stand of trees consisting of three or more Layers with at least 100 total trees per hectare in Layer 1 and Layer 2 combined.

1.2 Paragraph References

Unless indicated otherwise in this Appendix, a reference in this Appendix to a Paragraph or subparagraph is a reference to that Paragraph or subparagraph in this Appendix.

2.0 General Standard

The matters required by sections 16(1) to (3) of the FPPR to be specified in this FSP, and the situations or circumstances that determine where they will apply under this FSP, are as follows:

SECTION OF FPPR	SECTION APPLIES TO THE FOLLOWING AREAS HARVESTED
MILESTONE	
<i>Regeneration</i> (FPPR ss. 16(3)(a) and 44(1)(a))	<ul style="list-style-type: none"> ➤ <u>Regeneration Date</u>, as set out in Paragraph 4.0; ➤ <u>Species</u>, as set out in Paragraph 5.0; and ➤ <u>Minimum Density</u>, as set out for: <ol style="list-style-type: none"> 1. <u>Even Aged Stands</u>, in Paragraph 5.0; and 2. <u>Uneven Aged Stands</u>, in Paragraph 5.1.
<i>Free Growing</i> (FPPR ss.16(3)(b) and 44(1)(b))	<ul style="list-style-type: none"> ➤ <u>Species</u>, as set out in Paragraph 5.0; ➤ <u>Free Growing Height</u>, as set out in Paragraph 5.0; ➤ <u>Minimum Density</u>, as set out for: <ol style="list-style-type: none"> 1. <u>Even Aged Stands</u>, in Paragraph 5.0; and 2. <u>Uneven Aged Stands</u>, in Paragraph 5.1; and <u>Maximum Density</u>, as set out in Paragraph 6.2.

3.0 Basis of Assessment

3.1 Stratification

As per Section 46.11 of the FPPR, June 1, 2007.

4.0 Regeneration Date

Where applicable under Paragraphs 2.0 and 3.0, the period for determining the regeneration date is not more than 7 years.

5.0 Species, Target Density, Minimum Density, Free Growing Height

Where applicable under Paragraphs 2.0 and 3.0, the species, target density & minimum density for even –aged stands, and free growing height for the relevant biogeoclimatic zone, subzone and site series (as identified in the site plan) are as follows:

BGC Classification		Regeneration						Free Growing	
		Species			Stocking			Min. Height	
Zone/SZ	Series	Conifer		Broadleaf	Target	MIN pa	MIN p	Species	Ht(m)
		Preferred (p)	Acceptable (a)	Acceptable (a)	(well-spaced/ha)				
BGxh2	01				-	-	-	-	-
	02				-	-	-	-	-
	03	Py			400	200	200	Py	0.6
	04	Py	Fd		400	200	200	Py, Fd	0.6
	05				-	-	-		
	06				-	-	-		
	07	Fd Py	Sx	Act At Ep	400	200	200	All	0.6
	08				-	-	-		
ESSFdc1	01	PI Sx	BI		1200	700	600	PI	1.6
								Others	0.8
	02	PI	BI Sx		1000	500	400	PI	1.2
								Others	0.6
	03	PI	BI Sx		1000	500	400	PI	1.2
								Others	0.6
	04	PI Sx	BI		1200	700	600	PI	1.6
								Others	0.8
ESSFdc2	05	PI Sx	BI		1000	500	400	PI	1.2
								Others	0.6
	06	PI Sx	BI		1000	500	400	PI	1.2
								Others	0.6
	07	non-forested			-	-	-	-	-
	01	PI Sx BI			1200	700	600	PI	1.6
								Others	0.8
	02	PI	BI Sx		-	-	-	-	-
ESSFdc2	03	PI	BI Sx Pa		1000	500	400	PI	1.2
								Others	0.6
	04	PI Sx	BI		1000	500	400	PI	1.2
								Others	0.6
	05	PI Sx	BI		1000	500	400	PI	1.2
								Others	0.6
	06	PI Sx	BI		1200	700	600	PI	1.6
								Others	0.8
ESSFdc2	07	PI Sx	BI		1200	700	600	PI	1.6
								Others	0.8
	08	PI Sx	BI		1000	500	400	PI	1.2
							Others	0.6	
	09	non-forested			-	-	-	-	-

FL A18674, FL A18698; FL A18970, FL A55527, FL A55529
FL A61106, FL A65006, FL A74911, FL A81878, FL A82224,
FL A82518, FL A82566, FL A84498, FL A85449, FL A88928,
FL A88927, **FLA91320, FLA91615**, FL A91842, CFA K2Y,
FLTC A97226 , **FLTC A98390**

BGC Classification		Regeneration Guide						Free Growing Guide	
		Species			Stocking			Min. Height	
Zone/SZ	Series	Conifer		Broadleaf	Target	MIN pa	MIN p	Species	Ht(m)
		Preferred (p)	Acceptable (a)	Acceptable (a)	(well-spaced/ha)				
ESSFmw	01	Sx PI	Ba BI		1200	700	600	PI	2.0
								Others	1.0
	02	PI Fd Sx	BI		1000	500	400	PI	1.4
								Others	0.8
	03	PI Fd Sx	BI		1000	500	400	PI	1.4
								Others	0.8
	04	PI Sx Fd	Ba BI		1200	700	600	PI	2.0
								Others	1.0
	05	BI Sx	PI Ba		1200	700	600	PI	2.0
								Others	1.0
	06	BI Sx	PI Ba		1200	700	600	PI	2.0
								Others	1.0
	07	Ba Sx	PI Cw		1000	500	400	PI	1.4
								Others	0.8
	08	BI Sx	PI		1000	500	400	PI	1.4
								Others	0.8
ESSFxc	01	PI Sx	BI		1200	700	600	PI	1.6
								Others	0.8
	02	PI	BI Sx		600	400	400	PI	1.2
								Others	0.6
	03	non-forested			-	-	-	-	-
	04	non-forested			-	-	-	-	-
	05	PI Sx	BI		1000	500	400	PI	1.2
								Others	0.6
	06	PI Sx	BI		1200	700	600	PI	1.6
								Others	0.8
	07	PI Sx	BI		1200	700	600	PI	1.6
								Others	0.8
08	PI Sx	BI		1000	500	400	PI	1.2	
							Others	0.6	
09	non-forested			-	-	-	-	-	
10	non-forested			-	-	-	-	-	
IDFdk1	01	Fd PI Py	Sx Lw	At	1000	500	400	PI, Lw, Decid.	1.0
								Fd	0.8
								Others	0.6
	02	Fd Py		At	600	400	400	Fd	0.8
								Decid.	1.0
								Others	0.6
	03	Fd PI	Py	At	600	400	400	PI, Decid.	1.0
								Fd	0.8
							Others	0.6	

FL A18674, FL A18698; FL A18970, FL A55527, FL A55529
FL A61106, FL A65006, FL A74911, FL A81878, FL A82224,
FL A82518, FL A82566, FL A84498, FL A85449, FL A88928,
FL A88927, **FLA91320, FLA91615**, FL A91842, CFA K2Y,
FLTC A97226 , **FLTC A98390**

BGC Classification		Regeneration Guide						Free Growing Guide		
		Species			Stocking			Min. Height		
Zone/SZ	Series	Conifer		Broadleaf	Target	MIN pa	MIN p	Species	Ht(m)	
		Preferred (p)	Acceptable (a)	Acceptable (a)	(well-spaced/ha)					
IDFdk1	04	Fd PI Py	Sx	At	1000	500	400	PI, Decid.	1.0	
								Fd	0.8	
								Others	0.6	
	05	Fd Sx PI	Py BI Lw	Act At Ep	1000	500	400	PI, Lw, Decid.	1.0	
								Fd	0.8	
								Others	0.6	
	06	PI Sx Fd	BI	Act At Ep	1000	500	400	PI, Decid.	1.0	
								Fd	0.8	
								Others	0.6	
	07	non-forested			-	-	-	-	-	
	IDFdk2	01	Fd PI Py	Lw Sx	At	1000	500	400	PI, Lw, Decid.	1.0
									Fd	0.8
								Others	0.6	
02		Fd Py		At	600	400	400	Fd	0.8	
								Decid.	1.0	
								Others	0.6	
03		Fd PI Py		At	1000	500	400	PI, Decid.	1.0	
								Fd	0.8	
								Others	0.6	
04		Fd PI Sx	Lw Py	At	1200	700	600	PI, Lw, Decid.	1.4	
								Fd	1.0	
								Others	0.8	
05		Fd Sx PI	Lw Cw Py	Act At Ep	1200	700	600	PI, Lw, Decid.	1.4	
								Fd	1.0	
								Others	0.8	
06		PI Sx Fd	Py	Act At Ep	1000	500	400	PI, Decid.	1.0	
								Fd	0.8	
								Others	0.6	
07		PI Sx	Cw Py	Act At Ep	1000	500	400	PI, Decid.	1.0	
								Others	0.6	
08		non-forested			-	-	-	-	-	
IDFxh1		01	Fd Py	Lw	At	1000	500	400	All	0.6
		02	Py Fd			400	200	200	All	0.6
		03	Py Fd			600	400	400	All	0.6
	04	Py Fd	Lw		600	400	400	All	0.6	
	05	Py Fd			600	400	400	All	0.6	
	06	Fd Py	Lw	At	1000	500	400	All	0.6	
	07	Fd Py	Cw Lw	At	1000	500	400	All	0.6	

BGC Classification		Regeneration Guide						Free Growing Guide	
		Species			Stocking			Min. Height	
Zone/SZ	Series	Conifer		Broadleaf	Target	MIN pa	MIN p	Species	Ht(m)
		Preferred (p)	Acceptable (a)	Acceptable (a)	(well-spaced/ha)				
IDFxb1	08	Fd PI	Cw Py	Act At Ep	1200	700	600	PI, Lw	1.0
		Sx						Others	0.8
	09	non-forested			-	-	-	-	-
IDFxb2	01	Fd Py		At	1000	500	400	All	0.6
	02	Py Fd			400	200	200	All	0.6
	03	Py Fd			400	200	200	All	0.6
	04	Py Fd			600	400	400	All	0.6
	05	Fd Py			1000	500	400	All	0.6
	06	Fd Py		At	1200	700	600	All	0.6
	07	Fd Sx	Py Cw	Act At Ep	1200	700	600	All	0.6
	08	Sx Fd	PI	Act At Ep	1000	500	400	PI, Decid.	0.8
								Others	0.6
IDFxb2a	91	non-forested			-	-	-	-	-
	92	non-forested			-	-	-	-	-
	93	non-forested			-	-	-	-	-
	94	non-forested			-	-	-	-	-
	95	Fd Py		At	1200	700	600	All	0.8
MSdm2	01	PI Sx Fd	Lw BI Py	At	1200	700	600	PI, Lw, Decid.	1.4
								Others	0.8
	02	non-forested			-	-	-	-	-
	03	Fd PI	BI Sx	At	1000	500	400	PI, Decid.	1.0
								Others	0.6
	04	PI Fd Sx	BI Lw Py	At	1200	700	600	PI, Lw, Decid.	1.4
								Others	0.8
	05	PI Sx Fd	Py BI Cw	Act At	1200	700	600	PI, Lw, Decid.	1.4
								Others	0.8
	06	PI Sx Fd	BI	Act At	1200	700	600	PI, Lw, Decid.	1.4
								Others	0.8
	07	PI Sx	BI	Act At	1000	500	400	PI, Decid.	1.0
								Others	0.6
MSxk	01	PI Fd Sx	BI	At	1200	700	600	PI, Decid.	1.4
								Others	0.8
	02	PI Fd	Sx BI		1000	500	400	PI	1.0
								Others	0.6
	03	non-forested			-	-	-	-	-
	04	non-forested			-	-	-	-	-
	05	PI Fd	BI Sx		1000	500	400	PI	1.0
							Others	0.6	

BGC Classification		Regeneration Guide						Free Growing Guide	
		Species			Stocking			Min. Height	
Zone/SZ	Series	Conifer		Broadleaf	Target	MIN pa	MIN p	Species	Ht(m)
		Preferred (p)	Acceptable (a)	Acceptable (a)	(well-spaced/ha)				
MSxk	06	PI Fd Sx	Lw Bl	At	1200	700	600	PI, Lw, Decid.	1.4
								Others	0.8
	07	PI Fd Sx	Bl		1200	700	600	PI	1.4
								Others	0.8
	08	PI Sx	Bl Fd	Act At	1200	700	600	PI, Decid.	1.4
								Others	0.8
	09	PI Sx	Bl	Act At	1000	500	400	PI, Decid.	1.0
								Others	0.6
PPxh2	01	Py Fd			400	200	200	All	0.6
	02	Py Fd			400	200	200	All	0.6
	03	Py Fd			400	200	200	All	0.6
	04	Py Fd			400	200	200	All	0.6
	05	non-forested			-	-	-	-	-
	06	Fd Py			600	400	400	All	0.6
	07	PI Sx Fd	Pv	Act At Ep	1000	500	400	All	0.6

provided, however, that broadleaf trees are acceptable only if they:

- (a) were present on the area before harvesting occurred; and
- (b) will be used to manage biodiversity or offset conifer volume losses due to root disease.

The number of healthy well-spaced preferred and acceptable trees per hectare will be limited to a maximum of 20% by number, of the relevant broadleaf acceptable species specified in paragraph 5.0.

Where Layer 1 or 2 Broadleaf trees are reserved from harvest, these trees are considered valuable for biodiversity and will not be considered deleterious when assessing the free growing status of conifers.

Orchard Lw Seed:

As per the Dec 15, 2010 Guidance Memo from the Chief Forester, western larch (*Larix occidentalis*, Lw) orchard seedlots may be planted up to a maximum 10% of the total number of seedlings planted during each calendar year within LW1, LW2, LW3 tested parent tree seed planning zones.

The areas that the orchard seed may be planted are as per the attached Larch Seed Zones Projected to 2030 LW1, LW2 May 26, 2014 Map.

Lw planted within the zones described above will be classified as an 'acceptable' species.

The free growing height of orchard Lw seed will be based on PI free growing heights and adjusted based on the SIBEC Species Conversion Table for lodgepole pine.

5.1 Stocking Density for Uneven Aged Stands

Where applicable under Paragraphs 2.0 and 3.0, for an Uneven-Aged Stand, the Minimum Stocking Standard for the relevant biogeoclimatic zone or subzone and site series (as identified in the site plan), as determined from cross-referencing the Target Stocking from an Even Aged Stand as per Paragraph 5.0 will be as follows:

Target Standards (stems/ha)	Layer	Stocking (well-spaced / ha)			Target Standards (stems/ha)	Layer	Stocking (well-spaced / ha)		
		Target pa	MIN pa	MIN p			Target pa	MIN pa	MIN p
1200	1	600	300	250	800	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	1	400	200	200	600	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	1	400	200	200	400	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

- (a) Minimum free-growing height for uneven-aged stands within the Interior Douglas Fir zone is 40cm.

6.0 Density

6.1 Definitions

In Paragraphs 6.1 to 6.2:

- (a) **“Countable Tree”** means a coniferous tree that:
- in an Even-Aged Stand, is at least
 - 50% of the median height of all well spaced preferred and acceptable trees in the survey plot, where the median height is equal to or greater than 2 metres, or;
 - 30% of the median height of all well spaced preferred and acceptable trees in the survey plot, where the median height is less than 2 metres.
 - in an Uneven-Aged Stand, is in Layer 3;
- (b) **“Minimum Stocking Standard”** means the minimum number of healthy Well-Spaced preferred, or healthy Well-Spaced preferred and acceptable trees per hectare, which:
- will, include only those free growing trees greater than or equal to the relevant free growing height specified in Paragraph 5.0;
- (c) **“Well-Spaced”** means a distance between trees that is greater than or equal to the minimum inter-tree distance specified in Paragraph 6.3

6.2 Maximum Density

(a) Even-Aged Stands:

If the number of Countable Trees exceeds 30,000 trees per hectare, the Holder of this FSP that harvested the area will, within 20 years of the commencement date for the area, reduce that number to below 30,000 trees per hectare.

(b) Uneven-Aged Stands:

Applies to Layer 3 only:

If the number of Countable Trees exceeds 30,000 trees per hectare, the Holder of this FSP that harvested the area will, within 20 years of the commencement date for the area, reduce that number to below 30,000 trees per hectare.

6.3 Minimum Inter-Tree Distance

6.3.1 Even-Aged Stands:

(a) 1.0 metre where obstacle planting is used in the following heavy cattle use areas:

- (i) a Cutblock that does not have any other non-free growing Cutblocks within a one kilometre radius from its boundary at the time of the planting;
- (ii) a Cutblock that has a range fence, a cattle turn-out area, well established cattle trails or a cattle watering hole within it or within 100 metres of its boundary; or
- (iii) on sites within a Cutblock that have a subhygric or wetter moisture regimes; and

(b) 1.6 metres in all other situations or circumstances.

6.3.2 Uneven-Aged Stands:

(i) In Layer 1 = none.

(ii) In Layers 2, 3 & 4:

(a) 1.0 metre where obstacle planting is used in the following heavy cattle use areas:

- (i) a Cutblock that does not have any other non-free growing cutblocks within a one kilometre radius from its boundary at the time of the planting;
- (ii) a Cutblock that has a range fence, a cattle turn-out area, well established cattle trails or a cattle watering hole within it or within 100 metres of its boundary; or
- (iii) on sites within a Cutblock that have a subhygric or wetter moisture regimes; and

(b) 1.6 metres in all other situations or circumstances.

6.4 Tree Height to Brush Ratio

- (a) The Tree Height to Brush Ratio is 125 percent. (As per the Free from brush – Free Growing Criteria – *Establishment to Free Growing Guidebook 2007.*)

7.0 Free Growing Date

Where applicable under Paragraphs 2.0 and 3.0, the period for determining the free growing date is not more than 20 years. (FPPR 16(3)(b), Jan 31, 2004).

Appendix B: Forest Stewardship Plan Maps

Appendix C: Objectives for interpretive forest sites, recreation sites or recreation trails (FRPA ss.180 and 181)

Site or Trail Name	Type	Objectives
Abbott 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 and 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 and 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 Thynne Mtn. snowmobile trail system. An emergency shelter is located across from the recreation site.
Another Lake	Site	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.
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 E.	Site	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.
Bob Lake W.	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.
Boot Lake	Site	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 the site. Very rough road access to the site will be maintained for four-wheel drive vehicles.
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.
Butler Lake	Site	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.
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 W.	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.
Centre Lake	Site	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.
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 Mountain 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 S.	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.
Debbie Lake	Site	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.
Dewdney	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 portion 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 swimming will be available at the site.
Eastmere / Westmere Lake	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.
Elkhart 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.
Farr Lake	Site	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.
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	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.
Gillis Lake E.	Site	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.
Gillis Lake W.	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 N.	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 SW	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, picnicking, boating and swimming will be available at the site.
Goose Lake N.	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 will be maintained for four-wheel drive vehicles.
Goose Lake S.	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' Pond	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 Pennask 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 S.	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 at the site.
Gypsum Lake W.	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 site.
Hamilton Pond	Site	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.
Harmon Lake East	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 N.	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.
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.
Jackson Lake	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.
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.
Jim Kelly Creek	Site	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.
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.
John's Lake	Site	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.
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 Lake	Site	00-01-31 The objective is to manage the LeRoy Lake 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, 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, boating and swimming will be available at the site. No motorized use permitted, as per the Pennask LRUP.
Little Spahomin Lake	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, 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 N.	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 S.	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 E.	Site	00-01-31 The objective is to manage the Lundbom 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, boating and swimming will be available at the site.
Lundbom Lake W.	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.

Mab Lake	Site	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.
Marquart Lake	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 N.	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 Lake	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 N.	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 S.	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.
Mystery Lake	Site	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.
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 E.	Site	00-01-31 The objective is to manage the Old 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 N.	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.
Osprey Lake S.	Site	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.
Peter Hope Lake N.	Site	00-01-31 The objective is to manage the Peterhope 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.
Peterhope Lake S.	Site	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.
Pimainus Lake	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.

Plateau Lake	Site	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.
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 at the site.
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.
Rey Lake	Site	00-01-31 The objective is to manage Rey 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.
Ricky 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.
Rogene Lake	Site	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.
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	00-01-31 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 at the site.
Stoney 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 at the site.
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	00-01-31 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 N.	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 S.	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.
Tulameen Falls	Site	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.
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 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.
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.
Upper Boulder 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.
Vinson Lake	Site	00-01-31 The objective is to manage Vinson 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.
Godey Creek Interpretive Trail	Interpretative Forest 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.
Harmon Lake Interpretive Trail	Interpretative Forest 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.
Bob's - Elkhart Lake Trail	Trail	00-01-31 The objective is to manage the Bob's - Elkhart Lake 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 Trail	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 under 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.
Gill Lake Trail	Trail	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.
Gus' Pond	Trail	00-01-31 The objective is to manage the Gus' Pond recreation trail for as 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 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.

Jackson Lake Trail	Trail	00-01-31 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.
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 biking 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 Lake 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 Lake Trail	Trail	00/01/31 The objective is to manage Little Mellin / Holmes Lake recreation 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 Lake Trail	Trail	00-01-31 The objective is to manage Little Spahomin Lake recreation 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 Mountain Trail	Trail	00-01-31 The objective is to manage Lundbom / Tent Mountain 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	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	Trail	00-01-31 The objective is to manage the Norgaard 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.
Rainbow Lake Trail	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	00-01-3 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	Trail	00-01-31 The objective is to manage the Two Island 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.
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	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.

FL A18674, FL A18698; FL A18970, FL A55527, FL A55529
FL A61106, FL A65006, FL A74911, FL A81878, FL A82224,
FL A82518, FL A82566, FL A84498, FL A85449, FL A88928,
FL A88927, **FLA91320, FLA91615**, FL A91842, CFA K2Y,
FLTC A97226 , **FLTC A98390**

Appendix D: Larch Seed Zones – Projected to 2030 LW1, LW2, May 26, 2014 Map